UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Quarterly Period Ended March 31, 2019

Commission file number 1-12383

Rockwell Automation, Inc.

(Exact name of registrant as specified in its charter)

Delaware

25-1797617

| | ther jurisdiction on or organization) | (I.R.S. Employer Identification No.) | |
|--|---|---|------------------|
| | a Second Street, ee, Wisconsin | 53204 | |
| (Address of prin | cipal executive offices) | (Zip Code) | |
| | Registrant's t | +1 (414) 382-2000 telephone number, including area code | |
| | | required to be filed by Section 13 or 15(d) of the Securities Exchange Act of as required to file such reports), and (2) has been subject to such filing requ | |
| | | cally every Interactive Data File required to be submitted pursuant to Rule 4 e registrant was required to submit such files). Yes \square No \square | 05 of Regulation |
| | | filer, an accelerated filer, a non-accelerated filer, smaller reporting company, rated filer," "smaller reporting company," and "emerging growth company" | |
| Large Accelerated Filer | otin oti | Accelerated Filer | |
| Non-accelerated Filer | | Smaller Reporting Company | |
| | | Emerging Growth Company | |
| If an emerging growth company, indrevised financial accounting standards | , | strant has elected not to use the extended transition period for complying $(3, 3)$ of the Exchange Act. \square | with any new or |
| Indicate by check mark whether the re | gistrant is a shell company (as d | lefined in Rule 12b-2 of the Exchange Act). Yes □ No ☑ | |
| 118,362,039 shares of registrant's Cor | nmon Stock, \$1.00 par value, w | ere outstanding on March 31, 2019. | |
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INDEX

| | Page No. |
|---|----------|
| PART I. FINANCIAL INFORMATION | |
| Item 1. Consolidated Financial Statements: | |
| Consolidated Balance Sheet | 3 |
| Consolidated Statement of Operations | 4 |
| Consolidated Statement of Comprehensive Income | 5 |
| Consolidated Statement of Cash Flows | 6 |
| Consolidated Statement of Shareowners' Equity | 7 |
| Notes to Consolidated Financial Statements | 8 |
| Report of Independent Registered Public Accounting Firm | 29 |
| Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations | 30 |
| Item 3. Quantitative and Qualitative Disclosures About Market Risk | 46 |
| Item 4. Controls and Procedures | 46 |
| PART II. OTHER INFORMATION | |
| Item 1. Legal Proceedings | 47 |
| Item 1A. Risk Factors | 47 |
| Item 2. Unregistered Sales of Equity Securities and Use of Proceeds | 48 |
| Item 6. Exhibits | 49 |
| <u>Signatures</u> | 50 |
| | |
| 2 | |

CONSOLIDATED BALANCE SHEET

(Unaudited) (in millions, except per share amounts)

| | March 31, 2019 | September 30, 2018 |
|--|-------------------|-----------------------|
| ASSETS | | |
| Current assets: | | |
| Cash and cash equivalents | \$ 780.0 | \$ 618.8 |
| Short-term investments | 122.2 | 290.9 |
| Receivables | 1,244.4 | 1,190.1 |
| Inventories | 665.4 | 581.6 |
| Other current assets | 164.8 | 149.3 |
| Total current assets | 2,976.8 | 2,830.7 |
| Property, net of accumulated depreciation of \$1,556.9 and \$1,561.4, respectively | 557.8 | 576.8 |
| Goodwill | 1,086.4 | 1,075.5 |
| Other intangible assets, net | 207.7 | 215.2 |
| Deferred income taxes | 200.0 | 179.6 |
| Long-term investments | 1,111.9 | 1,288.0 |
| Other assets | 113.6 | 96.2 |
| Total | \$ 6,254.2 | \$ 6,262.0 |
| LIABILITIES AND SHAREOWNERS' EQUITY | | |
| Current liabilities: | | |
| Short-term debt | \$ 1.3 | \$ 551.0 |
| Current portion of long term debt | 297.4 | _ |
| Accounts payable | 660.9 | 713.4 |
| Compensation and benefits | 197.2 | 289.4 |
| Contract liabilities | 308.9 | 249.9 |
| Customer returns, rebates and incentives | 192.5 | 206.6 |
| Other current liabilities | 213.7 | 226.6 |
| Total current liabilities | 1,871.9 | 2,236.9 |
| Long-term debt | 1,932.4 | 1,225.2 |
| Retirement benefits | 587.0 | 605.1 |
| Other liabilities | 526.6 | 577.3 |
| Commitments and contingent liabilities (Note 12) | | |
| Shareowners' equity: | | |
| Common stock (\$1.00 par value, shares issued: 181.4) | 181.4 | 181.4 |
| Additional paid-in capital | 1,686.7 | 1,681.4 |
| Retained earnings | 6,398.0 | 6,198.1 |
| Accumulated other comprehensive loss | (940.3) | (941.9) |
| Common stock in treasury, at cost (shares held: 63.0 and 60.3, respectively) | (5,989.5) | (5,501.5) |
| Total shareowners' equity | 1,336.3 | 1,617.5 |
| Total | \$ 6,254.2 | \$ 6,262.0 |

CONSOLIDATED STATEMENT OF OPERATIONS (Unaudited) (in millions, except per share amounts)

Six Months Ended **Three Months Ended** March 31, March 31, 2019 2018 2019 2018 Sales Products and solutions \$ \$ 1,470.5 1,466.8 2,924.4 \$ 2,883.0 Services 190.4 180.7 375.1 354.8 1,657.2 1,651.2 3,299.5 3,237.8 Cost of sales Products and solutions (1,616.6)(823.6)(836.1)(1,606.0)Services (125.4)(111.2)(246.6)(217.1)(949.0)(947.3)(1,852.6)(1,833.7)Gross profit 708.2 703.9 1,446.9 1,404.1 Selling, general and administrative expenses (385.0)(386.6)(771.7)(773.2)Other income (expense) (Note 9) 102.9 (0.4)(107.6)3.8 Interest expense (23.7)(17.3)(44.4)(37.3)Income before income taxes 402.4 299.6 523.2 597.4 Income tax provision (Note 13) (56.4)(72.2)(96.9)(606.4)227.4 Net income (loss) \$ 346.0 \$ 426.3 (9.0)Earnings (loss) per share: (0.07)Basic \$ 2.91 1.79 \$ \$ 3.56 \$ \$ \$ \$ Diluted 2.88 1.77 3.53 \$ (0.07)Weighted average outstanding shares: Basic 118.9 126.9 119.6 127.6 Diluted 120.0 128.5 120.7 127.6

CONSOLIDATED STATEMENT OF COMPREHENSIVE INCOME (Unaudited) (in millions)

| | Three Mor Mar | nths Er ch 31, | ıded | Six Months Ended March 31, | | | | |
|---|------------------|-------------------|-------|-------------------------------|--------|----|-------|--|
| | 2019 | | 2018 | | 2019 | | 2018 | |
| Net income (loss) | \$ 346.0 | \$ | 227.4 | \$ | 426.3 | \$ | (9.0) | |
| Other comprehensive income (loss), net of tax: | | | | | | | | |
| Pension and other postretirement benefit plan adjustments (net of tax (expense) of (\$4.3), (\$7.4), (\$8.6) and (\$14.8)) | 14.2 | | 20.2 | | 28.0 | | 40.4 | |
| Currency translation adjustments | 19.0 | | 76.5 | | (9.5) | | 60.4 | |
| Net change in unrealized gains and losses on cash flow hedges (net of tax (expense) benefit of (\$0.5), \$0.3, \$6.0 and \$0.6) | 2.5 | | (1.0) | | (18.3) | | (0.5) | |
| Net change in unrealized gains and losses on available-for-sale investments (net of tax (expense) benefit of (\$0.2), \$0.3, (\$0.3) and \$0.6) | 0.9 | | (1.5) | | 1.4 | | (2.6) | |
| Other comprehensive income | 36.6 | | 94.2 | | 1.6 | | 97.7 | |
| Comprehensive income | \$ 382.6 | \$ | 321.6 | \$ | 427.9 | \$ | 88.7 | |

CONSOLIDATED STATEMENT OF CASH FLOWS (Unaudited) (in millions)

| | Six Montl Marc | |
|--|-------------------|------------|
| | 2019 | 2018 |
| Operating activities: | | |
| Net income (loss) | \$ 426.3 | \$ (9.0) |
| Adjustments to arrive at cash provided by operating activities: | | |
| Depreciation | 62.1 | 68.5 |
| Amortization of intangible assets | 13.2 | 14.3 |
| Change in fair value of investments | 114.5 | _ |
| Share-based compensation expense | 21.8 | 18.8 |
| Retirement benefit expense | 34.4 | 56.7 |
| Pension contributions | (15.1) | (23.5) |
| Net loss on disposition of property | 1.7 | _ |
| Settlement of treasury locks | (35.7) | _ |
| Changes in assets and liabilities, excluding effects of acquisitions and foreign currency adjustments: | | |
| Receivables | (41.5) | (9.8) |
| Inventories | (86.0) | (7.9) |
| Accounts payable | (12.1) | 7.2 |
| Contract liabilities | 41.2 | 42.8 |
| Compensation and benefits | (90.5) | (67.7) |
| Income taxes | (66.7) | 508.6 |
| Other assets and liabilities | (11.8) | (4.9) |
| Cash provided by operating activities | 355.8 | 594.1 |
| Investing activities: | | |
| Capital expenditures | (80.9) | (56.2) |
| Acquisition of businesses, net of cash acquired | (20.7) | (9.9) |
| Purchases of investments | (2.8) | (276.6) |
| Proceeds from maturities of investments | 219.2 | 690.3 |
| Proceeds from sale of investments | _ | 155.3 |
| Proceeds from sale of property | 3.3 | 0.4 |
| Cash provided by investing activities | 118.1 | 503.3 |
| Financing activities: | | - |
| Net repayment of short-term debt | (549.7) | (41.9) |
| Issuance of long-term debt, net of discount and issuance costs | 987.6 | |
| Repayment of long-term debt | _ | (250.0) |
| Cash dividends | (232.5) | (213.5) |
| Purchases of treasury stock | (535.2) | (661.7) |
| Proceeds from the exercise of stock options | 23.8 | 61.9 |
| Other financing activities | _ | 1.8 |
| Cash used for financing activities | (306.0) | (1,103.4) |
| Effect of exchange rate changes on cash | (6.7) | 29.0 |
| Increase in cash and cash equivalents | 161.2 | 23.0 |
| Cash and cash equivalents at beginning of period | 618.8 | 1,410.9 |
| Cash and cash equivalents at end of period | \$ 780.0 | \$ 1,433.9 |
| Cash and Cash equivalents at the or period | ψ /60.0 | 1,733.7 |

CONSOLIDATED STATEMENT OF SHAREOWNERS' EQUITY (Unaudited) (in millions, except per share amounts)

| | Three Mor Mare | nths E ch 31, | nded | Six Months Ended March 31, | | | | | | |
|--|-------------------|------------------|-----------|-------------------------------|-----------|----|-----------|--|--|--|
| | 2019 | | 2018 | | 2019 | | 2018 | | | |
| Common stock (no shares issued during years) | \$ 181.4 | \$ | 181.4 | \$ | 181.4 | \$ | 181.4 | | | |
| Additional paid-in capital | | | · | | | | _ | | | |
| Beginning balance | 1,674.4 | | 1,642.9 | | 1,681.4 | | 1,638.0 | | | |
| Share-based compensation expense | 10.5 | | 9.6 | | 20.8 | | 17.4 | | | |
| Shares delivered under incentive plans | 1.8 | | 7.1 | | (15.5) | | 4.2 | | | |
| Ending balance | 1,686.7 | | 1,659.6 | | 1,686.7 | | 1,659.6 | | | |
| Retained earnings | | | | | | | | | | |
| Beginning balance | 6,167.6 | | 5,759.7 | | 6,198.1 | | 6,103.4 | | | |
| Adoption of accounting standard | _ | | _ | | 6.1 | | _ | | | |
| Net income (loss) | 346.0 | | 227.4 | | 426.3 | | (9.0) | | | |
| Cash dividends (\$0.97, \$0.835, \$1.94, and \$1.67 per share) | (115.6) | | (106.2) | | (232.5) | | (213.5) | | | |
| Ending balance | 6,398.0 | | 5,880.9 | | 6,398.0 | | 5,880.9 | | | |
| Accumulated other comprehensive loss | | | | | | | | | | |
| Beginning balance | (976.9) | | (1,175.7) | | (941.9) | | (1,179.2) | | | |
| Other comprehensive income | 36.6 | | 94.2 | | 1.6 | | 97.7 | | | |
| Ending balance | (940.3) | | (1,081.5) | | (940.3) | | (1,081.5) | | | |
| Common stock in treasury, at cost | | | | | | | | | | |
| Beginning balance | (5,772.2) | | (4,252.1) | | (5,501.5) | | (4,080.0) | | | |
| Purchases | (236.0) | | (465.4) | | (528.8) | | (674.0) | | | |
| Shares delivered under incentive plans | 18.7 | | 24.3 | | 40.8 | | 60.8 | | | |
| Ending balance | (5,989.5) | | (4,693.2) | | (5,989.5) | | (4,693.2) | | | |
| Total shareowners' equity | \$ 1,336.3 | \$ | 1,947.2 | \$ | 1,336.3 | \$ | 1,947.2 | | | |

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Unaudited)

1. Basis of Presentation and Accounting Policies

In the opinion of management of Rockwell Automation, Inc. ("Rockwell Automation" or "the Company"), the unaudited Consolidated Financial Statements contain all adjustments necessary to present fairly the financial position, results of operations and cash flows for the periods presented and, except as otherwise indicated, such adjustments consist only of those of a normal, recurring nature. These statements should be read in conjunction with our Annual Report on Form 10-K for the fiscal year ended September 30, 2018. The results of operations for the three - and six -month period s ended March 31, 2019, are not necessarily indicative of the results for the full year. All date references to years and quarters herein refer to our fiscal year and fiscal quarter unless otherwise stated.

Receivables

Receivables are stated net of an allowance for doubtful accounts of \$19.6 million at March 31, 2019, and \$17.1 million at September 30, 2018. In addition, receivables are stated net of an allowance for certain customer returns, rebates and incentives of \$13.5 million at March 31, 2019, and \$8.7 million at September 30, 2018.

Earnings Per Share

The following table reconciles basic and diluted earnings per share (EPS) amounts (in millions, except per share amounts):

| | Three Mor Mare | ths E ch 31, | | Six Months Ended March 31, | | | | | |
|---|-----------------------|-----------------|-------|-------------------------------|-------|----|--------|--|--|
| | 2019 | | 2018 | | 2019 | | 2018 | | |
| Net income (loss) | \$ 346.0 | \$ | 227.4 | \$ | 426.3 | \$ | (9.0) | | |
| Less: Allocation to participating securities | (0.4) | | (0.2) | | (0.4) | | _ | | |
| Net income (loss) available to common shareowners | \$ 345.6 | \$ | 227.2 | \$ | 425.9 | \$ | (9.0) | | |
| Basic weighted average outstanding shares | 118.9 | | 126.9 | | 119.6 | | 127.6 | | |
| Effect of dilutive securities | | | | | | | | | |
| Stock options | 1.0 | | 1.4 | | 1.0 | | _ | | |
| Performance shares | 0.1 | | 0.2 | | 0.1 | | | | |
| Diluted weighted average outstanding shares | 120.0 | | 128.5 | | 120.7 | | 127.6 | | |
| Earnings (loss) per share: | | | | - | | | | | |
| Basic | \$ 2.91 | \$ | 1.79 | \$ | 3.56 | \$ | (0.07) | | |
| Diluted | \$ 2.88 | \$ | 1.77 | \$ | 3.53 | \$ | (0.07) | | |

For each of the three and six months ended March 31, 2019, 1.8 million shares related to share-based compensation awards, were excluded from the diluted EPS calculation because they were antidilutive. For each of the three and six months ended March 31, 2018, 0.9 million shares related to share-based compensation awards were excluded from the diluted EPS calculation because they were antidilutive. For the six months ended March 31, 2018, 2.6 million potential common shares related to share-based compensation awards were excluded from the diluted EPS calculation because we recorded a net loss. Of these shares, 1.7 million would have been included in the calculation had we recorded net income for the six months ended March 31, 2018.

Non-Cash Investing and Financing Activities

Capital expenditures of \$11.1 million and \$14.0 million were accrued within accounts payable and other current liabilities at March 31, 2019 and 2018, respectively. At March 31, 2019 and 2018, there were \$11.9 million and \$12.3 million, respectively, of outstanding common stock share repurchases recorded in accounts payable that did not settle until the next fiscal quarter. These non-cash investing and financing activities have been excluded from cash used for capital expenditures and treasury stock purchases in the Consolidated Statement of Cash Flows.

Joint Venture Announcement

On February 19, 2019, we announced that we have entered into an agreement to create a new joint venture, Sensia, the first fully integrated digital oilfield automation solutions provider. The transaction is expected to close in calendar 2019, subject to receipt of regulatory approvals and satisfaction of other customary conditions. Under the terms of the agreement, Sensia will operate as an independent entity, with Rockwell Automation owning 53% and Schlumberger owning 47% of the joint venture. As part of the

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

1. Basis of Presentation and Accounting Policies (continued)

transaction, we will make a \$250 million payment to Schlumberger at closing, which will be funded by cash on hand. We expect that we will consolidate Sensia in our financial results. Sensia is expected to generate initial annual revenue of approximately \$400 million, slightly less than half of which relates to businesses to be contributed to the joint venture by Rockwell Automation.

Recently Adopted Accounting Pronouncements

In May 2014, the Financial Accounting Standards Board (FASB) issued a new standard, referred to as Accounting Standards Codification (ASC) 606, on revenue recognition related to contracts with customers. This standard supersedes nearly all existing revenue recognition guidance and involves a five-step principles-based approach to recognizing revenue. The underlying principle is to recognize revenue when promised goods or services are transferred to customers in an amount that reflects the consideration that is expected to be received for those goods or services. The new standard also requires additional qualitative and quantitative disclosures about contracts with customers, significant judgments made in applying the revenue guidance, and assets recognized from the costs to obtain or fulfill a contract. We adopted the new revenue standard using the modified retrospective transition method, which resulted in an adjustment to the opening balance of retained earnings as of October 1, 2018, our adoption date. The prior period information has not been restated and continues to be reported under the accounting standards in effect for the period presented. See Note 2 in the Consolidated Financial Statements for additional accounting policy and transition disclosures.

In March 2017, the FASB issued a new standard regarding the presentation of net periodic pension and postretirement benefit cost. This standard requires the service cost component to be reported in the income statement in the same line item as other compensation costs arising from services rendered by the related employees during the period. The other components of net periodic benefit cost are required to be presented separately from the service cost component in either a separate line item or within another appropriate line item with disclosure of where those costs are recorded. This standard also requires that only the service cost component is eligible for capitalization, when applicable. We adopted the new standard as of October 1, 2018 and applied the standard retrospectively. As a result of applying the pension standard retrospectively, the following adjustments were made to the Consolidated Statement of Operations (in millions):

| | | Three M | ontl | hs Ended Marc | h 31, | 2018 | Six Months Ended March 31, 2018 | | | | | | |
|--|-------------|---------|--------------------|---------------|-------------|---------|---------------------------------|-----------|--------------------|--------|----|------------|--|
| | As Reported | | Impact of adoption | | As Restated | | As Reported | | Impact of adoption | | A | s Restated | |
| Cost of sales | | | | | | | | | | | | | |
| Products and solutions | \$ | (838.8) | \$ | 2.7 | \$ | (836.1) | \$ | (1,622.0) | \$ | 5.4 | \$ | (1,616.6) | |
| Services | | (111.6) | | 0.4 | | (111.2) | | (217.9) | | 0.8 | | (217.1) | |
| | | (950.4) | | 3.1 | | (947.3) | | (1,839.9) | | 6.2 | | (1,833.7) | |
| Gross profit | | 700.8 | | 3.1 | | 703.9 | | 1,397.9 | | 6.2 | | 1,404.1 | |
| Selling, general and administrative expenses | | (389.2) | | 2.6 | | (386.6) | | (778.5) | | 5.3 | | (773.2) | |
| Other income (expense) | | 5.3 | | (5.7) | | (0.4) | | 15.3 | | (11.5) | | 3.8 | |

Effective October 1, 2018, we realigned our reportable segments for a transfer of business activities between our segments. We also reclassified interest income from General corporate - net to Interest (expense) income - net. As a result, the prior period presentation of reportable segments has been restated to conform to the current segment reporting structure. These changes did not impact the Consolidated Statement of Operations. See Note 14 in the Consolidated Financial Statements for additional information about the restatements.

Recently Issued Accounting Pronouncements

In February 2016, the FASB issued a new standard on accounting for leases that requires lessees to recognize right-of-use assets and lease liabilities for most leases, among other changes to existing lease accounting guidance. The new standard also requires additional qualitative and quantitative disclosures about leasing activities. We intend to adopt this standard in the first fiscal quarter of 2020 and apply the new standard at the adoption date, and recognize a cumulative-effect adjustment to the opening balance of retained earnings.

We have established a project plan and a cross-functional implementation team to adopt and apply the new standard. We are in the process of implementing necessary changes to accounting policies, processes, controls and systems to enable compliance with this new standard. We continue to evaluate the impact the adoption of this standard will have on our consolidated financial statements and related disclosures.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

2. Revenue Recognition

Adoption

On October 1, 2018, we adopted the new standard on revenue from contracts with customers using the modified retrospective method applied to contracts that were not completed as of October 1, 2018. Results for reporting periods beginning after October 1, 2018 are presented under the new standard, while prior period amounts have not been adjusted and continue to be reported in accordance with the previous standard.

As a result of applying the modified retrospective method, the following adjustments were made to the Consolidated Balance Sheet as of October 1, 2018 (in millions):

| | | Se | eptember 30, 2018 | Im | pact of Adoption | October 1, 2018 |
|--|-------------------------|-------|----------------------|----|------------------|--------------------|
| | ASSETS | | | | | |
| Current assets: | | | | | | |
| Receivables | | \$ | 1,190.1 | \$ | 4.5 | \$ 1,194.6 |
| Other current assets | | | 149.3 | | 17.7 | 167.0 |
| Deferred income taxes | | | 179.6 | | 1.2 | 180.8 |
| Other assets | | | 96.2 | | 11.4 | 107.6 |
| | LIABILITIES AND SHAREOW | VNERS | ' EQUITY | | | |
| Current liabilities: | | | | | | |
| Contract liabilities | | \$ | 249.9 | \$ | 18.7 | \$ 268.6 |
| Customer returns, rebates and incentives | | | 206.6 | | 4.4 | 211.0 |
| Other current liabilities | | | 226.6 | | 5.6 | 232.2 |
| Shareowners' equity: | | | | | | |
| Retained earnings | | | 6,198.1 | | 6.1 | 6,204.2 |

We recorded a net increase to opening retained earnings of \$6.1 million as of October 1, 2018, which reflects the cumulative impact of adopting the new standard. The primary drivers of the impact to retained earnings were changes to the capitalization and deferral of certain contract costs and the timing of revenue, net of costs, for software licenses bundled with services and projects previously accounted for on a completed contract basis. This impact was partially offset by a deferral of revenue, net of costs, related to the allocation of revenue to hardware and software products and services provided to our customers free of charge as incentives.

Nature of Products and Services

Substantially all of our revenue is from contracts with customers. We recognize revenue as promised products are transferred to, or services are performed for, customers in an amount that reflects the consideration to which we expect to be entitled in exchange for those products and services. Our offerings consist of industrial automation and information products, solutions and services. Our products include hardware and software. Our solutions include engineered-to-order and custom-engineered systems. Our services include customer technical support and repair, asset management and optimization consulting, and training. Also included in our services is a portion of revenue related to spare parts that are managed within our services offering.

Our operations are comprised of the Architecture & Software segment and the Control Products & Solutions segment. See Note 16 in the Consolidated Financial Statements in our Annual Report on Form 10-K for the fiscal year ended September 30, 2018, for more information.

In most countries, we sell primarily through independent distributors in conjunction with our direct sales force. In other countries, we sell through a combination of our direct sales force, and to a lesser extent, through independent distributors.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

2. Revenue Recognition (continued)

Performance Obligations

We use executed sales agreements and purchase orders to determine the existence of a customer contract.

For each customer contract, we determine if the products and services promised to the customer are distinct performance obligations. A product or service is distinct if both of the following criteria are met at contract inception: (i) the customer can benefit from the product or service on its own or together with other readily available resources, and (ii) our promise to transfer the product or perform the service is separately identifiable from other promises in the contract. The fact that we regularly sell a product or service separately is an indicator that the customer can benefit from a product or service on its own or with other readily available resources.

The objective when assessing whether our promises to transfer products or perform services are distinct within the context of the contract is to determine whether the nature of the promise is to transfer each of those products or perform those services individually, or whether the promise is to transfer a combined item or items to which the promised products or services are inputs. If a promised product or service is not distinct, we combine that product or service with other promised products or services until it comprises a bundle of products or services that is distinct, which may result in accounting for all the products or services in a contract as a single performance obligation.

For each performance obligation in a contract, we determine whether the performance obligation is satisfied over time. A performance obligation is satisfied over time if it meets any of the following criteria: (i) the customer simultaneously receives and consumes the benefits provided by our performance as we perform, (ii) our performance creates or enhances an asset that the customer controls as the asset is created or enhanced, or (iii) our performance does not create an asset for which we have an alternative use and we have an enforceable right to payment for performance completed to date. If one or more of these criteria are met, then we recognize revenue over time using a method that depicts performance. If none of the criteria are met, then control transfers to the customer at a point in time and we recognize revenue at that point in time.

Our products represent standard, catalog products for which we have an alternative use, and therefore we recognize revenue at a point in time when control of the product transfers to the customer. For the majority of our products, control transfers upon shipment, though for some contracts control may transfer upon delivery. Our product revenue also includes revenue from software licenses. When these licenses are determined to be distinct performance obligations, we recognize the related revenue at a point in time when the customer is provided the right to use the license. Product-type contracts are generally one year or less in length.

We offer a wide variety of solutions and services to our customers, for which we recognize revenue over time or at a point in time based on the contract as well as the type of solution or service. If one or more of the three criteria above for over-time revenue recognition are met, we recognize revenue over time as cost is incurred, as work is performed, or based on time elapsed, depending on the type of customer contract. If none of these criteria are met, we recognize revenue at a point in time when control of the asset being created or enhanced transfers to the customer, typically upon delivery. More than half of our solutions and services revenue is from contracts that are one year or less in length. For certain solutions and services offerings, when we have the right to invoice our customers in an amount that corresponds to our performance completed to date, we apply the practical expedient to measure progress and recognize revenue based on the amount for which we have the right to invoice the customer.

When assessing whether we have an alternative use for an asset, we consider both contractual and practical limitations. These include: (i) the level and cost of customization of the asset that is required to meet a customer's needs, (ii) the activities, cost, and profit margin after any rework that would be required before the asset could be directed for another use, and (iii) the portion of the asset that could not be reworked for an alternative use.

At times we provide products and services free of charge to our customers as incentives when the customers purchase other products or services. These represent distinct performance obligations. As such, we allocate revenue to them based on relative standalone selling price.

Most of our global warranties are assurance in nature and do not represent distinct performance obligations. See Note 8 in the Consolidated Financial Statements for additional information and disclosures. We occasionally offer extended warranties to our customers that are considered a distinct performance obligation, to which we allocate revenue which is recognized over the extended warranty period.

We account for shipping and handling activities performed after control of a product has been transferred to the customer as a fulfillment cost. As such, we have applied the practical expedient and we accrue for the costs of shipping and handling activities if revenue is recognized before contractually agreed shipping and handling activities occur.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

2. Revenue Recognition (continued)

Unfulfilled Performance Obligations

As of March 31, 2019, we expect to recognize approximately \$500 million of revenue in future periods from unfulfilled performance obligations from existing contracts with customers. We expect to recognize revenue of approximately \$350 million of our remaining performance obligations over the next 12 months with the remaining balance recognized thereafter.

We have applied the practical expedient to exclude the value of remaining performance obligations for (i) contracts with an original term of one year or less and (ii) contracts for which we recognize revenue in proportion to the amount we have the right to invoice for services performed. The amounts above also do not include the impact of contract renewal options that are unexercised as of March 31, 2019.

Transaction Price

The transaction price is the amount of consideration to which we expect to be entitled in exchange for transferring products to, or performing services for a customer. We estimate the transaction price at contract inception, and update the estimate each reporting period for any changes in circumstances. In some cases a contract may involve variable consideration, including rebates, credits, allowances for returns or other similar items that generally decrease the transaction price. We use historical experience to estimate variable consideration, including any constraint.

The transaction price (including any discounts and variable consideration) is allocated between separate products and services based on their relative standalone selling prices. The standalone selling prices are determined based on the prices at which we separately sell each good or service. For items that are not sold separately, we estimate the standalone selling price using available information such as market reference points and other observable data.

We have elected the practical expedient to exclude sales taxes and other similar taxes from the measurement of the transaction price.

Significant Payment Terms

Our standard payment terms vary globally but do not result in a significant delay between the timing of invoice and payment. We occasionally negotiate other payment terms during the contracting process. We do not typically include significant financing components in our contracts with customers. We have elected the practical expedient to not adjust the transaction price for the period between transfer of products or performance of services and customer payment if expected to be one year or less.

For most of our products, we invoice at the time of shipment and we do not typically have significant contract balances. For our solutions and services as well as some of our products, timing may differ between revenue recognition and billing. Depending on the terms agreed to with the customer, we may invoice in advance of performance or we may invoice after performance. When revenue recognition exceeds billing we recognize a receivable, and when billing exceeds revenue recognition we recognize a contract liability.

Disaggregation of Revenue

The following series of tables present our revenue disaggregation by geographic region and types of products or services, and also present these disaggregation categories for our two operating segments. We attribute sales to the geographic regions based on the country of destination.

The following reflects the disaggregation of our revenues by operating segment and by geographic region (in millions):

| | | Three M | onths E | anded March | 31, 20 | Six Months Ended March 31, 2019 | | | | | | |
|---------------------------------------|-------------------------|---------|---------------------------------|-------------|--------|---------------------------------|-------------------------|---------|----|------------------------------------|----|---------|
| | Architecture & Software | | Control Products & Solutions | | Total | | Architecture & Software | | | Control Products & Solutions | | Total |
| North America | \$ | 423.1 | \$ | 564.0 | \$ | 987.1 | \$ | 865.9 | \$ | 1,120.0 | \$ | 1,985.9 |
| Europe, Middle East and Africa (EMEA) | | 176.0 | | 155.1 | | 331.1 | | 331.5 | | 294.0 | | 625.5 |
| Asia Pacific | | 97.8 | | 116.9 | | 214.7 | | 199.1 | | 230.0 | | 429.1 |
| Latin America | | 42.8 | | 81.5 | | 124.3 | | 96.3 | | 162.7 | | 259.0 |
| Total Company Sales | \$ | 739.7 | \$ | 917.5 | \$ | 1,657.2 | \$ | 1,492.8 | \$ | 1,806.7 | \$ | 3,299.5 |

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

2. Revenue Recognition (continued)

The following reflects the disaggregation of our revenues by operating segment and by major types of products or services (in millions):

| | Three M | onths | Ended March | 31, 2 | 019 | Six Months Ended March 31, 2019 | | | | | | |
|----------------------|--------------------------|-------|----------------------------|-------|---------|---------------------------------|---------|------------------------------------|---------|----|---------|--|
| | chitecture & Software | | trol Products Solutions | Total | | Architecture & Software | | Control Products & Solutions | | | Total | |
| Products | \$ 739.7 | \$ | 372.3 | \$ | 1,112.0 | \$ | 1,492.8 | \$ | 745.2 | \$ | 2,238.0 | |
| Solutions & Services | _ | | 545.2 | | 545.2 | | _ | | 1,061.5 | | 1,061.5 | |
| Total Company Sales | \$ 739.7 | \$ | 917.5 | \$ | 1,657.2 | \$ | 1,492.8 | \$ | 1,806.7 | \$ | 3,299.5 | |

Contract Balances

Contract liabilities primarily relate to consideration received in advance of performance under the contract. We do not have significant contract assets as of March 31, 2019.

Below is a summary of our contract liabilities balance:

| | Marc | ch 31, 2019 |
|--|------|-------------|
| Balance as of beginning of fiscal year | \$ | 268.6 |
| Balance as of end of period | | 308.9 |

The most significant changes in our contract liabilities balance during the six months ended March 31, 2019 were due to amounts billed, partially offset by revenue recognized that was included in the contract liabilities balance at the beginning of the period.

In the six months ended March 31, 2019, we recognized revenue of approximately \$185 million that was included in the opening contract liabilities balance. We did not have a material amount of revenue recognized in the six months ended March 31, 2019 from performance obligations satisfied or partially satisfied in previous periods.

Costs to Obtain and Fulfill a Contract

We capitalize and amortize certain incremental costs to obtain and fulfill contracts. These costs primarily consist of incentives paid to sales personnel, which are considered incremental costs to obtain a contract. We elected the practical expedient to expense incremental costs to obtain a contract when the contract has a duration of one year or less. Our capitalized contract costs, which are included in other assets in our Consolidated Balance Sheet, are not significant. There was no impairment loss in relation to capitalized costs in the period.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

2. Revenue Recognition (continued)

Dual Reporting

In accordance with ASC 606, the disclosure of the impact of adoption to the Consolidated Balance Sheet was as follows (in millions):

| | | March 31, 2019 | | | | | | |
|--|-----------------------|--------------------------------|-----------|--------------------------------------|--|--|--|--|
| | | As reported Impact of Adoption | | Balances without adoption of ASC 606 | | | | |
| | ASSETS | | | | | | | |
| Current assets: | | | | | | | | |
| Receivables | \$ | 1,244.4 | \$ (0.8) | \$ 1,243.6 | | | | |
| Other current assets | | 164.8 | (15.2) | 149.6 | | | | |
| Deferred income taxes | | 200.0 | (3.0) | 197.0 | | | | |
| Other assets | | 113.6 | (10.5) | 103.1 | | | | |
| LIABII | LITIES AND SHAREOWNEI | RS' EQUITY | | | | | | |
| Current liabilities: | | | | | | | | |
| Contract liabilities | \$ | 308.9 | \$ (10.9) | \$ 298.0 | | | | |
| Customer returns, rebates and incentives | | 192.5 | (2.2) | 190.3 | | | | |
| Other current liabilities | | 213.7 | (8.0) | 205.7 | | | | |
| Shareowners' equity: | | | | | | | | |
| Retained earnings | | 6,398.0 | (8.6) | 6,389.4 | | | | |
| Accumulated other comprehensive loss | | (940.3) | 0.2 | (940.1) | | | | |

In accordance with ASC 606, the disclosure of the impact of adoption to the Consolidated Statement of Operations was as follows (in millions):

| | | Three M | Mont | ths Ended March | ı 31, î | 2019 | Six Months Ended March 31, 2019 | | | | | | |
|------------------------|----|-------------|------|-----------------------|---------|--|---------------------------------|-----------|----|--------|----|--|--|
| | _ | As reported | | Impact of Adoption | | lances without option of ASC 606 | As reported | | | | | lances without option of ASC 606 | |
| Sales | | | | | | | | | | | | | |
| Products and solutions | \$ | 1,466.8 | \$ | (2.0) | \$ | 1,464.8 | \$ | 2,924.4 | \$ | 2.6 | \$ | 2,927.0 | |
| Services | | 190.4 | | (7.2) | | 183.2 | | 375.1 | | (16.4) | | 358.7 | |
| Cost of sales | | | | | | | | | | | | | |
| Products and solutions | | (823.6) | | (2.7) | | (826.3) | | (1,606.0) | | (3.8) | | (1,609.8) | |
| Services | | (125.4) | | 5.0 | | (120.4) | | (246.6) | | 13.8 | | (232.8) | |
| Income tax provision | | (56.4) | | 2.0 | | (54.4) | | (96.9) | | 1.3 | | (95.6) | |

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

2. Revenue Recognition (continued)

In accordance with ASC 606, the disclosure of the impact of adoption to the Consolidated Statement of Comprehensive Income was as follows (in millions):

| | | Three | Mon | ths Ended Marc | h 31, 2 | 2019 | | 119 | | | | |
|--|----|-------------|-----|-----------------------|---------|--|----|-------------|----|-----------------------|----|--|
| | As | As reported | | Impact of Adoption | | Balances without adoption of ASC 606 | | As reported | | Impact of Adoption | | lances without option of ASC 606 |
| Net income | \$ | 346.0 | \$ | (4.8) | \$ | 341.2 | \$ | 426.3 | \$ | (2.5) | \$ | 423.8 |
| Other comprehensive income (loss), net of tax: | | | | | | | | | | | | |
| Currency translation adjustments | | 19.0 | | _ | | 19.0 | | (9.5) | | 0.2 | | (9.3) |

In accordance with ASC 606, the disclosure of the impact of adoption to the Consolidated Statement of Cash Flows was as follows (in millions):

| | | Six | Мо | onths Ended March 31, 2 | 019 | |
|------------------------------|-------------|--------|----|--------------------------------|-----|--------|
| | As reported | | | As reported Impact of Adoption | | |
| Operating activities: | | | | | | |
| Net income | \$ | 426.3 | \$ | (2.5) | \$ | 423.8 |
| Receivables | | (41.5) | | (10.7) | | (52.2) |
| Contract liabilities | | 41.2 | | 15.4 | | 56.6 |
| Income taxes | | (66.7) | | (1.4) | | (68.1) |
| Other assets and liabilities | | (11.8) | | (0.8) | | (12.6) |

In accordance with ASC 606, the disclosure of the impact of adoption to the Consolidated Statement of Shareowners' Equity was as follows (in millions):

| | Three I | hs Ended March | 019 | | Six M | onth | s Ended March 3 | 31, 20 | 19 | | |
|--------------------------------------|-----------------|----------------|-------|----|--|------|-----------------|--------|-----------------------|----|---------------------------------------|
| | As reported | | | | Balances without adoption of ASC 606 | | As reported | | Impact of Adoption | | ances without option of ASC 606 |
| Retained earnings | | | | | | | | | | | |
| Beginning balance | \$ 6,167.6 | \$ | (3.8) | \$ | 6,163.8 | \$ | 6,204.2 | \$ | (6.1) | \$ | 6,198.1 |
| Net income (loss) | 346.0 | | (4.8) | | 341.2 | | 426.3 | | (2.5) | | 423.8 |
| Accumulated other comprehensive loss | | | | | | | | | | | |
| Other comprehensive income | 36.6 | | _ | | 36.6 | | 1.6 | | 0.2 | | 1.8 |

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

3. Share-Based Compensation

We recognized \$10.8 million and \$21.8 million of pre-tax share-based compensation expense during the three and six months ended March 31, 2019, respectively. We recognized \$10.2 million and \$18.8 million of pre-tax share-based compensation expense during the three and six months ended March 31, 2018, respectively. Our annual grant of share-based compensation takes place during the first quarter of each fiscal year. The number of shares granted to employees and non-employee directors and the weighted average fair value per share during the periods presented were (in thousands, except per share amounts):

| | | | Six Months End | ed March 31, | | | |
|---|--------|------|----------------------------------|--------------|----------------------------------|--------|--|
| | 2 | 2019 | | 2 | 018 | | |
| | Grants | | Wtd. Avg. Share Fair Value | | Wtd. Avg. Share Fair Value | | |
| Stock options | 946 | \$ | 32.48 | 856 | \$ | 35.51 | |
| Performance shares | 57 | | 155.04 | 40 | | 219.04 | |
| Restricted stock and restricted stock units | 41 | | 171.03 | 34 | | 192.50 | |
| Unrestricted stock | 6 | | 183.02 | 7 | | 183.76 | |

4. Inventories

Inventories consist of (in millions):

| | March 31, 2019 | | | | |
|-----------------|-------------------|----|-------|--|--|
| Finished goods | \$ 268.9 | \$ | 224.3 | | |
| Work in process | 203.5 | | 180.0 | | |
| Raw materials | 193.0 | | 177.3 | | |
| Inventories | \$ 665.4 | \$ | 581.6 | | |

5. Goodwill and Other Intangible Assets

Changes in the carrying amount of goodwill for the six months ended March 31, 2019, are (in millions):

| | Architecture Software | Products utions | Total | |
|----------------------------------|--------------------------|--------------------|-------------|---------------|
| Balance as of September 30, 2018 | \$ | 422.3 | \$ 653.2 | \$ 1,075.5 |
| Acquisition of business | | 14.6 | _ | 14.6 |
| Translation | | (0.2) | (3.5) | (3.7) |
| Balance as of March 31, 2019 | \$ | 436.7 | \$ 649.7 | \$ 1,086.4 |

Other intangible assets consist of (in millions):

| March 31, 2019 | | | | | | | | |
|--------------------|-------|---|--|---|---|--|--|--|
| Carrying Amount | | | Accumulated Amortization | | Net | | | |
| | | | | | | | | |
| \$ | 190.6 | \$ | 123.3 | \$ | 67.3 | | | |
| | 113.0 | | 69.0 | | 44.0 | | | |
| | 112.1 | | 67.3 | | 44.8 | | | |
| | 32.6 | | 25.8 | | 6.8 | | | |
| | 11.0 | | 9.9 | | 1.1 | | | |
| | 459.3 | | 295.3 | | 164.0 | | | |
| | 43.7 | | _ | | 43.7 | | | |
| \$ | 503.0 | \$ | 295.3 | \$ | 207.7 | | | |
| | \$ | \$ 190.6 113.0 112.1 32.6 11.0 459.3 43.7 | \$ 190.6 \$ 113.0 112.1 32.6 11.0 459.3 43.7 | Amount Amortization \$ 190.6 \$ 123.3 113.0 69.0 112.1 67.3 32.6 25.8 11.0 9.9 459.3 295.3 43.7 — | Carrying Amount Accumulated Amortization \$ 190.6 \$ 123.3 \$ 113.0 69.0 \$ 112.1 67.3 32.6 25.8 11.0 9.9 \$ 459.3 295.3 43.7 — — | | | |

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

5. Goodwill and Other Intangible Assets (continued)

| | | S | September 30, 2018 | | | | | | | |
|---|------------------------|----|-----------------------------|----|-------|--|--|--|--|--|
| | Carrying Amount | | Accumulated Amortization | | Net | | | | | |
| Amortized intangible assets: | | | | | | | | | | |
| Computer software products | \$ 190.9 | \$ | 118.1 | \$ | 72.8 | | | | | |
| Customer relationships | 112.9 | | 66.2 | | 46.7 | | | | | |
| Technology | 106.8 | | 64.0 | | 42.8 | | | | | |
| Trademarks | 32.0 | | 24.0 | | 8.0 | | | | | |
| Other | 11.2 | | 10.0 | | 1.2 | | | | | |
| Total amortized intangible assets | 453.8 | | 282.3 | | 171.5 | | | | | |
| Allen-Bradley ® trademark not subject to amortization | 43.7 | | | | 43.7 | | | | | |
| Total | \$ 497.5 | \$ | 282.3 | \$ | 215.2 | | | | | |

Estimated amortization expense is \$25.3 million in 2019, \$22.7 million in 2020, \$22.0 million in 2021, \$20.0 million in 2022 and \$18.8 million in 2023.

We performed our annual evaluation of goodwill and indefinite life intangible assets for impairment as required by accounting principles generally accepted in the United States (U.S. GAAP) during the second quarter of 2019 and concluded that these assets are not impaired.

6. Long-term and Short-term Debt

Long-term debt consists of (in millions):

| | March 31, 2019 | Santa | nber 30, 2018 |
|--|-------------------|-------|---------------|
| 2.050% notes, payable in March 2020 | \$ 297.4 | \$ | 294.6 |
| 2.875% notes, payable in March 2025 | 295.0 | | 281.4 |
| 6.70% debentures, payable in January 2028 | 250.0 | | 250.0 |
| 3.500% notes, payable in March 2029 | 425.0 | | _ |
| 6.25% debentures, payable in December 2037 | 250.0 | | 250.0 |
| 4.200% notes, payable in March 2049 | 575.0 | | _ |
| 5.20% debentures, payable in January 2098 | 200.0 | | 200.0 |
| Unamortized discount and other | (62.6) | | (50.8) |
| Total | 2,229.8 | | 1,225.2 |
| Less current portion | (297.4) | | _ |
| Long-term debt | \$ 1,932.4 | \$ | 1,225.2 |

In March 2019, we issued \$1 billion aggregate principal amount of long-term notes in a registered public offering. The offering consisted of \$425.0 million of 3.500% notes due in March 2029 (2029 Notes) and \$575.0 million of 4.200% notes due in March 2049 (2049 Notes), both issued at a discount. Net proceeds to the Company from the debt offering were \$987.6 million. We used these net proceeds primarily to repay our outstanding commercial paper, with the remaining proceeds to be used for general corporate purposes.

We entered into treasury locks to manage the potential change in interest rates in anticipation of the issuance of \$1.0 billion of fixed rate debt in March 2019. Treasury locks are accounted for as cash flow hedges. The effective differentials to be paid or received on these treasury locks were initially recorded in Accumulated Other Comprehensive Loss, net of tax effect.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

6. Long-term and Short-term Debt (continued)

As a result of the changes in the interest rates on the treasury locks between the time we entered into the treasury locks and the time we priced and issued the 2029 Notes and 2049 Notes, the Company made a payment of \$35.7 million to the counterparty on March 1, 2019. The \$35.7 million loss on the settlement of the treasury locks was recorded in Accumulated Other Comprehensive Loss and is being amortized over the term of the 2029 Notes and 2049 Notes, respectively, and recognized as an adjustment to interest expense on the Consolidated Statement of Operations.

Our short-term debt obligations primarily consist of commercial paper borrowings. There were no commercial paper borrowings outstanding as of March 31, 2019. Commercial paper borrowings were \$550.0 million at September 30, 2018. The weighted average interest rate of the commercial paper outstanding at September 30, 2018 was 2.27 percent.

7. Other Current Liabilities

Other current liabilities consist of (in millions):

| | Ma | September 30, 2018 | | |
|---|----|-----------------------|----|-------|
| Unrealized losses on foreign exchange contracts | \$ | 5.9 | \$ | 6.2 |
| Product warranty obligations | | 25.3 | | 27.9 |
| Taxes other than income taxes | | 42.9 | | 40.9 |
| Accrued interest | | 15.9 | | 12.3 |
| Income taxes payable | | 62.3 | | 74.4 |
| Other | | 61.4 | | 64.9 |
| Other current liabilities | \$ | 213.7 | \$ | 226.6 |

8. Product Warranty Obligations

We record a liability for product warranty obligations at the time of sale to a customer based upon historical warranty experience. Most of our products are covered under a warranty period that runs for twelve months from either the date of sale or installation. We also record a liability for specific warranty matters when they become probable and reasonably estimable.

Changes in product warranty obligations are (in millions):

| | Six Mont Mar | hs End ch 31, | ed |
|--|---------------------|------------------|--------|
| | 2019 | | 2018 |
| Balance at beginning of period | \$ 27.9 | \$ | 28.5 |
| Accruals for warranties issued during the current period | 11.0 | | 12.9 |
| Adjustments to pre-existing warranties | (4.3) | | 2.7 |
| Settlements of warranty claims | (9.3) | | (11.9) |
| Balance at end of period | \$ 25.3 | \$ | 32.2 |

9. Investments

Our investments consist of (in millions):

| | March 31, 2019 | | | September 30, 2018 |
|-----------------------------|-------------------|---------|----|-----------------------|
| Fixed income securities | \$ | 190.0 | \$ | 419.0 |
| Equity securities | | 975.5 | | 1,090.0 |
| Other | | 68.6 | | 69.9 |
| Total investments | | 1,234.1 | | 1,578.9 |
| Less short-term investments | | (122.2) | | (290.9) |
| Long-term investments | \$ | 1,111.9 | \$ | 1,288.0 |

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

9. Investments (continued)

We record investments in fixed income and equity securities at fair value. Fixed income investments are classified as available-for-sale investments.

Available-for-sale Investments

We invest in certificates of deposit, time deposits, commercial paper and other fixed income securities that are classified as available-for-sale. Unrealized gains and losses on available-for-sale investments are included in our Consolidated Balance Sheet as a component of Accumulated other comprehensive loss, net of any deferred taxes. Realized gains and losses are included in net income.

Our available-for-sale investments consist of (in millions):

| | March 31, 2019 | September 30, 2018 | | |
|---|-----------------------|-----------------------|-------|--|
| Certificates of deposit and time deposits | \$ 0.6 | \$ | 169.6 | |
| Corporate debt securities | 132.5 | | 158.4 | |
| Government securities | 39.9 | | 65.8 | |
| Asset-backed securities | 17.0 | | 25.2 | |
| Total | \$ 190.0 | \$ | 419.0 | |

Pre-tax gross unrealized gains and losses on available-for-sale investments were not material as of March 31, 2019. Pre-tax gross realized gains and losses on available-for-sale investments were not material for the three and six months ended March 31, 2019. At March 31, 2019, there were no outstanding purchases of available-for-sale investments recorded in accounts payable.

We evaluated all available-for-sale investments for which the fair value was less than amortized cost for impairment on an individual security basis at March 31, 2019. This assessment included consideration of our intent and ability to hold the security and the credit risks specific to each security. We determined that the declines in fair value of these investments were not other than temporary as of March 31, 2019, and accordingly we did not recognize any impairment charges in net income.

The table below summarizes the contractual maturities of our investments as of March 31, 2019 (in millions). Actual maturities may differ from the contractual maturities below as borrowers may have the right to prepay certain obligations.

| | Fair Value |
|--------------------------|-------------|
| Less than one year | \$ 122.2 |
| Due in one to five years | 67.8 |
| Total | \$ 190.0 |

Classification of our available-for-sale investments as current or noncurrent is based on the nature of the investment and when the investment is reasonably expected to be realized. These investments were included in the following line items within the Consolidated Balance Sheet (in millions):

| | | March 31, 2019 | S | September 30, 2018 |
|------------------------|----------|-------------------|----|-----------------------|
| Short-term investments | \$ | 122.2 | \$ | 290.9 |
| Long-term investments | | 67.8 | | 128.1 |
| Total | \$ 190.0 | | \$ | 419.0 |

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

9. Investments (continued)

Equity Securities

On July 19, 2018, we purchased 10,582,010 shares of PTC Inc. ("PTC") common stock (the "PTC Shares") in a private placement at a purchase price of \$94.50 per share for an aggregate purchase price of approximately \$1.0 billion (the "Purchase"). The PTC Shares are considered equity securities. For a period of approximately 3 years after the Purchase, we are subject to entity-specific transfer restrictions subject to certain exceptions. Following the first anniversary of the Purchase, the Company will be allowed to transfer, in the aggregate in any 90 -day period, a number of PTC Shares equal to up to 1.0% of PTC's total outstanding shares of common stock as of the first day in such 90 -day period, but no more than 2.0% of PTC's total outstanding shares of common stock in each of the second year and the third year after the Purchase.

The PTC Shares are recorded at fair value. At March 31, 2019, the fair value of the PTC Shares was \$975.5 million, which was recorded in long-term investments in the Consolidated Balance Sheet. For the three and six months ended March 31, 2019, gains of \$98.2 million and losses of \$114.5 million, respectively, related to the PTC Shares were recorded in Other income (expense) in the Consolidated Statement of Operations. During the first quarter of fiscal 2019, the PTC Shares were registered by PTC under the Securities Act of 1933, as amended, and the discount for lack of marketability was reversed.

Fair Value of Investments

U.S. GAAP defines fair value as the price that would be received for an asset or paid to transfer a liability (exit price) in an orderly transaction between market participants in the principal or most advantageous market for the asset or liability. U.S. GAAP also classifies the inputs used to measure fair value into the following hierarchy:

Level 1: Quoted prices in active markets for identical assets or liabilities.

<u>Level 2:</u> Quoted prices in active markets for similar assets or liabilities, quoted prices for identical or similar assets or liabilities in markets that are not

active, or inputs other than quoted prices that are observable for the asset or liability.

<u>Level 3:</u> Unobservable inputs for the asset or liability.

We recognize all available-for-sale and trading investments at fair value in the Consolidated Balance Sheet. The valuation methodologies used for our investments measured at fair value are described as follows.

Certificates of deposit and time deposits — These investments are stated at cost, which approximates fair value.

Commercial paper — These investments are stated at amortized cost, which approximates fair value.

Corporate debt securities — Valued at either the yields currently available on comparable securities of issuers with similar credit ratings or valued under a discounted cash flow approach that maximizes observable inputs, such as current yields of similar instruments, but includes adjustments for certain risks that may not be observable such as credit and liquidity risks.

Government securities — Valued at the most recent closing price on the active market on which the individual securities are traded or, absent an active market, utilizing observable inputs such as closing prices in less frequently traded markets.

Asset-backed securities — Valued using a discounted cash flow approach that maximizes observable inputs, such as current yields of benchmark instruments, but includes adjustments for certain risks that may not be observable such as credit and liquidity risks.

Equity securities — Prior to their registration, the PTC Shares were valued using the most recent closing price of PTC common stock quoted on Nasdaq, less a temporary discount for lack of marketability. The discount for lack of marketability was calculated using a put-option model which includes observable and unobservable inputs and was categorized as Level 3 in the fair value hierarchy. As a result of the registration of the PTC Shares and reversal of the discount during the first quarter of fiscal 2019, these securities were transferred from Level 3 to Level 1.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

9. Investments (continued)

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while we believe our valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date. We did not have any other transfers between levels of fair value measurements during the periods presented.

Fair values of our investments were (in millions):

| | March 31, 2019 | | | | | | | | | | |
|---|----------------|---------|----|---------|----|-------------|-------|---------|--|--|--|
| | | Level 1 | | Level 2 | | Level 3 | Total | | | | |
| Certificates of deposit and time deposits | \$ | _ | \$ | 0.6 | \$ | _ | \$ | 0.6 | | | |
| Corporate debt securities | | | | 132.5 | | _ | | 132.5 | | | |
| Government securities | | 36.6 | | 3.3 | | | | 39.9 | | | |
| Asset-backed securities | | | | 17.0 | | | | 17.0 | | | |
| Equity securities | | 975.5 | | _ | | | | 975.5 | | | |
| Total | \$ | 1,012.1 | \$ | 153.4 | \$ | _ | \$ | 1,165.5 | | | |

| | September 30, 2018 | | | | | | | | | | |
|---|--------------------|--------|----|---------|----|---------|----|---------|--|--|--|
| | Le | evel 1 | | Level 2 | | Level 3 | | Total | | | |
| Certificates of deposit and time deposits | \$ | _ | \$ | 169.6 | \$ | | \$ | 169.6 | | | |
| Corporate debt securities | | _ | | 158.4 | | _ | | 158.4 | | | |
| Government securities | | 55.7 | | 10.1 | | _ | | 65.8 | | | |
| Asset-backed securities | | _ | | 25.2 | | _ | | 25.2 | | | |
| Equity securities | | _ | | _ | | 1,090.0 | | 1,090.0 | | | |
| Total | \$ | 55.7 | \$ | 363.3 | \$ | 1,090.0 | \$ | 1,509.0 | | | |

The table below sets forth a summary of changes in the fair value of our Level 3 investments (in millions):

| | Fair Value |
|--|----------------|
| Balance September 30, 2018 | \$ 1,090.0 |
| Unrealized loss | (149.0) |
| Transfer to Level 1 upon registration of PTC Shares on November 28, 2018 | (941.0) |
| Balance March 31, 2019 | \$ _ |

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

10. Retirement Benefits

The components of net periodic benefit cost are (in millions):

| | | | | Pension | Bene | fits | | | |
|--------------------------------|---------------------------------|--------|----|---------|------|-------------------------------|----|---------|--|
| | Three Months Ended March 31, | | | | | Six Months Ended March 31, | | | |
| | | 2019 | | 2018 | | 2019 | | 2018 | |
| Service cost | \$ | 19.5 | \$ | 22.4 | \$ | 39.1 | \$ | 44.6 | |
| Interest cost | | 39.6 | | 39.0 | | 79.2 | | 77.8 | |
| Expected return on plan assets | | (61.2) | | (61.5) | | (122.4) | | (122.7) | |
| Amortization: | | | | | | | | | |
| Prior service cost | | 0.3 | | 0.1 | | 0.6 | | 0.3 | |
| Net actuarial loss | | 19.5 | | 28.4 | | 39.0 | | 56.7 | |
| Settlements | | (0.2) | | _ | | (0.4) | | _ | |
| Net periodic benefit cost | \$ | 17.5 | \$ | 28.4 | \$ | 35.1 | \$ | 56.7 | |

| | | | Ot | her Postreti | remen | t Benefits | | | | |
|-----------------------------|----|---------------------------------|----|--------------|-------|------------|-------------------------------|-------|--|--|
| | | Three Months Ended March 31, | | | | | Six Months Ended March 31, | | | |
| | 2 | 2019 | : | 2018 | | 2019 | | 2018 | | |
| Service cost | \$ | 0.3 | \$ | 0.3 | \$ | 0.5 | \$ | 0.6 | | |
| Interest cost | | 0.5 | | 0.6 | | 1.1 | | 1.2 | | |
| Amortization: | | | | | | | | | | |
| Prior service credit | | (1.3) | | (1.4) | | (2.7) | | (2.7) | | |
| Net actuarial loss | | 0.2 | | 0.5 | | 0.4 | | 0.9 | | |
| Net periodic benefit credit | \$ | (0.3) | \$ | _ | \$ | (0.7) | \$ | | | |

The service cost component is included in Cost of sales and Selling, general and administrative expenses in the Consolidated Statement of Operations. All other components are included in Other income (expense) in the Consolidated Statement of Operations.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

11 . Accumulated Other Comprehensive Loss

Changes in accumulated other comprehensive loss by component were (in millions):

Three Months Ended March 31, 2019

| | postreti | on and other rement benefit justments, net of tax | tr | ılated currency anslation eents, net of tax | (loss | Net unrealized gains (losses) on available- es) on cash flow lges, net of tax Net unrealized gains (losses) on available- for-sale investments, net of tax | | (losses) on available- for-sale investments, | | Total accumulated other comprehensive loss, net of tax | | |
|--|---------------------|--|---------------|---|--------------|---|-------------------|---|----|--|--|--|
| Balance as of December 31, 2018 | \$ | (644.3) | \$ | (314.5) | \$ | (16.4) | \$ | \$ (1.7) | | (976.9) | | |
| Other comprehensive income before reclassifications | | _ | | 19.0 | 5.2 | | | 0.9 | | 25.1 | | |
| Amounts reclassified from accumulated other comprehensive loss | r | 14.2 | | _ | | (2.7) | | | | 11.5 | | |
| Other comprehensive income | | 14.2 | | 19.0 | | 2.5 | | 0.9 | | 36.6 | | |
| Balance as of March 31, 2019 | \$ | (630.1) | \$ | (295.5) | \$ | (13.9) | \$ | (0.8) | \$ | (940.3) | | |
| Six Months Ended March 31, 2019 | postreti plan ad | on and other rement benefit justments, net of tax | tr adjustn | ulated currency anslation nents, net of tax | (loss hed | unrealized gains ies) on cash flow dges, net of tax | (losses for-sa | Net unrealized gains (losses) on available- for-sale investments, net of tax | | l accumulated comprehensive ss, net of tax | | |
| Balance as of September 30, 2018 | \$ | (658.1) | \$ | (286.0) | \$ | 4.4 | \$ | (2.2) | \$ | (941.9) | | |
| Other comprehensive income (loss) before reclassifications | | (0.3) | | (9.5) | | (14.0) | | 1.4 | | (22.4) | | |
| Amounts reclassified from accumulated other comprehensive loss | r | 28.3 | | _ | | (4.3) | | _ | | 24.0 | | |
| Other comprehensive income (loss) | | 28.0 | | (9.5) | | (18.3) | | 1.4 | | 1.6 | | |
| | | | | | | | 1.4 \$ (0.8) | | | | | |

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

11 . Accumulated Other Comprehensive Loss (continued)

Changes in accumulated other comprehensive loss by component were (in millions):

Three Months Ended March 31, 2018

| | Pension a postretirem plan adjust of t | ent benefit ments, net | tra | ated currency nslation ents, net of tax | (losses) o | alized gains n cash flow net of tax | (losses) for-sale | realized gains on available- e investments, et of tax | Total accumulated other comprehensive loss, net of tax | | |
|--|---|---------------------------------|-----------------|---|-----------------------|--|----------------------|--|--|---|--|
| Balance as of December 31, 2017 | \$ | (906.8) | \$ | (253.8) | \$ | (13.9) | \$ | (1.2) | \$ | (1,175.7) | |
| Other comprehensive income (loss) before reclassifications | | | | 76.5 | | (6.0) | | (1.5) | | 69.0 | |
| Amounts reclassified from accumulated other comprehensive loss | r | 20.2 | | _ | | 5.0 | | _ | | 25.2 | |
| Other comprehensive income (loss) | ' | 20.2 | | 76.5 | | (1.0) | | (1.5) | | 94.2 | |
| | \$ | (886.6) | \$ | (177.3) | \$ | (14.9) | \$ | (2.7) | \$ | (1,081.5) | |
| Balance as of March 31, 2018 | | | | | | | | | | | |
| Six Months Ended March 31, 2018 | Pension a postretirem plan adjust of t | ent benefit ments, net | tra | ated currency nslation ents, net of tax | (losses) o | alized gains n cash flow net of tax | (losses) for-sale | realized gains on available- e investments, et of tax | othe | al accumulated r comprehensive sss, net of tax | |
| · | postretirem plan adjust | ent benefit ments, net | tra | nslation | (losses) o | n cash flow | (losses) for-sale | on available- e investments, | othe | r comprehensive | |
| Six Months Ended March 31, 2018 | postretirem plan adjust of t | ent benefit ments, net ax | tra adjustme | nslation ents, net of tax | (losses) o hedges, | n cash flow net of tax | (losses) for-sale | on available- e investments, et of tax | othe | r comprehensive oss, net of tax | |
| Six Months Ended March 31, 2018 Balance as of September 30, 2017 Other comprehensive income (loss) before | postretirem plan adjust of t | ent benefit ments, net ax | tra adjustme | nslation ents, net of tax (237.7) | (losses) o hedges, | n cash flow net of tax (14.4) | (losses) for-sale | on available- e investments, et of tax (0.1) | othe | r comprehensive oss, net of tax (1,179.2) | |
| Six Months Ended March 31, 2018 Balance as of September 30, 2017 Other comprehensive income (loss) before reclassifications Amounts reclassified from accumulated other | postretirem plan adjust of t | (927.0) | tra adjustme | nslation ents, net of tax (237.7) | (losses) o hedges, | n cash flow net of tax (14.4) (9.4) | (losses) for-sale | on available- e investments, et of tax (0.1) | othe | comprehensive oss, net of tax (1,179.2) 48.4 | |

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

11 . Accumulated Other Comprehensive Loss (continued)

The reclassifications out of accumulated other comprehensive loss to the Consolidated Statement of Operations were (in millions):

| | | Three Mon Marc | | Six Months Ended March 31, | | | Affected Line in the Consolidated Statement of Operations |
|--|-----------|-------------------|-------------|-----------------------------------|----|--------|--|
| | | 2019 | 2018 | 2019 | | 2018 | |
| Pension and other postretirement benefit p | lan adjus | tments: | | | | | |
| Amortization of prior service credit | \$ | (1.0) | \$ (1.3) | \$ (2.1) | \$ | (2.4) | (a) |
| Amortization of net actuarial loss | | 19.7 | 28.9 | 39.4 | | 57.6 | (a) |
| Settlements | | (0.2) | _ | (0.4) | | _ | (a) |
| | | 18.5 | 27.6 | 36.9 | | 55.2 | Income before income taxes |
| | | (4.3) | (7.4) | (8.6) | | (14.8) | Income tax provision |
| | \$ | 14.2 | \$ 20.2 | \$ 28.3 | \$ | 40.4 | Net income |
| | | | | | | | |
| Net unrealized losses (gains) on cash flow | hedges: | | | | | | |
| Forward exchange contracts | \$ | (0.6) | \$ (0.8) | \$ (0.2) | \$ | (1.3) | Sales |
| Forward exchange contracts | | (3.3) | 8.4 | (6.5) | | 14.3 | Cost of sales |
| Forward exchange contracts | | _ | (0.8) | 0.5 | | (1.0) | Selling, general and administrative expenses |
| Treasury locks related to 2019 debt | | 0.2 | _ | 0.2 | | _ | Interest expense |
| issuance | | | | | | | |
| | | (3.7) | 6.8 | (6.0) | | 12.0 | Income before income taxes |
| | | 1.0 | (1.8) | 1.7 | | (3.1) | Income tax provision |
| | \$ | (2.7) | \$ 5.0 | \$ (4.3) | \$ | 8.9 | Net income |
| | | | | | | _ | |
| Total reclassifications | \$ | 11.5 | \$ 25.2 | \$ 24.0 | \$ | 49.3 | Net income |

⁽a) Reclassified from accumulated other comprehensive loss into other income (expense). These components are included in the computation of net periodic benefit cost (credit). See Note 10 in the Consolidated Financial Statements for further information.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

12. Commitments and Contingent Liabilities

Various lawsuits, claims and proceedings have been or may be instituted or asserted against us relating to the conduct of our business, including those pertaining to product liability, environmental, safety and health, intellectual property, employment and contract matters. Although the outcome of litigation cannot be predicted with certainty and some lawsuits, claims or proceedings may be disposed of unfavorably to us, we believe the disposition of matters that are pending or have been asserted will not have a material effect on our business, financial condition or results of operations.

We (including our subsidiaries) have been named as a defendant in lawsuits alleging personal injury as a result of exposure to asbestos that was used in certain components of our products many years ago. Currently there are a few thousand claimants in lawsuits that name us as defendants, together with hundreds of other companies. In some cases, the claims involve products from divested businesses, and we are indemnified for most of the costs. However, we have agreed to defend and indemnify asbestos claims associated with products manufactured or sold by our former Dodge mechanical and Reliance Electric motors and motor repair services businesses prior to their divestiture by us, which occurred on January 31, 2007. We are also responsible for half of the costs and liabilities associated with asbestos cases against our former Rockwell International Corporation's divested measurement and flow control business. But in all cases, for those claimants who do show that they worked with our products or products of divested businesses for which we are responsible, we nevertheless believe we have meritorious defenses, in substantial part due to the integrity of the products, the encapsulated nature of any asbestos-containing components, and the lack of any impairing medical condition on the part of many claimants. We defend those cases vigorously. Historically, we have been dismissed from the vast majority of these claims with no payment to claimants.

We have maintained insurance coverage that we believe covers indemnity and defense costs, over and above self-insured retentions, for claims arising from our former Allen-Bradley subsidiary. Following litigation against Nationwide Indemnity Company (Nationwide) and Kemper Insurance (Kemper), the insurance carriers that provided liability insurance coverage to Allen-Bradley, we entered into separate agreements on April 1, 2008 with both insurance carriers to further resolve responsibility for ongoing and future coverage of Allen-Bradley asbestos claims. In exchange for a lump sum payment, Kemper bought out its remaining liability and has been released from further insurance obligations to Allen-Bradley. Nationwide entered into a cost share agreement with us to pay the substantial majority of future defense and indemnity costs for Allen-Bradley asbestos claims. We believe that this arrangement with Nationwide will continue to provide coverage for Allen-Bradley asbestos claims throughout the remaining life of the asbestos liability.

We also have rights to historic insurance policies that provide indemnity and defense costs, over and above self-insured retentions, for claims arising out of certain asbestos liabilities relating to the divested measurement and flow control business. Following litigation against several insurers to pursue coverage for these claims, we entered into separate agreements with the insurers that resulted in both lump sum payments and coverage-in-place agreements. We believe these arrangements will provide substantial coverage for future defense and indemnity costs for these asbestos claims throughout the remaining life of asbestos liability.

The uncertainties of asbestos claim litigation make it difficult to predict accurately the ultimate outcome of asbestos claims. That uncertainty is increased by the possibility of adverse rulings or new legislation affecting asbestos claim litigation or the settlement process. Subject to these uncertainties and based on our experience defending asbestos claims, we do not believe these lawsuits will have a material effect on our business, financial condition or results of operations.

We have, from time to time, divested certain of our businesses. In connection with these divestitures, certain lawsuits, claims and proceedings may be instituted or asserted against us related to the period that we owned the businesses, either because we agreed to retain certain liabilities related to these periods or because such liabilities fall upon us by operation of law. In some instances the divested business has assumed the liabilities; however, it is possible that we might be responsible to satisfy those liabilities if the divested business is unable to do so.

In connection with the spin-offs of our former automotive business, semiconductor systems business and Rockwell Collins avionics and communications business, the spun-off companies have agreed to indemnify us for substantially all contingent liabilities related to the respective businesses, including environmental and intellectual property matters.

In conjunction with the sale of our Dodge mechanical and Reliance Electric motors and motor repair services businesses, we agreed to indemnify Baldor Electric Company for costs and damages related to certain legal, legacy environmental and asbestos matters of these businesses arising before January 31, 2007, for which the maximum exposure would be capped at the amount received for the sale.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

12. Commitments and Contingent Liabilities (continued)

In many countries we provide a limited intellectual property indemnity as part of our terms and conditions of sale. We also at times provide limited intellectual property indemnities in other contracts with third parties, such as contracts concerning the development and manufacture of our hardware and software products. As of March 31, 2019, we were not aware of any material indemnification claims that were probable or reasonably possible of an unfavorable outcome. Historically, claims that have been made under the indemnification agreements have not had a material impact on our business, financial condition or results of operations; however, to the extent that valid indemnification claims arise in the future, future payments by us could be significant and could have a material adverse effect on our business, financial condition or results of operations in a particular period.

13. Income Taxes

At the end of each interim period, we estimate a base effective tax rate that we expect for the full fiscal year based on our most recent forecast of pre-tax income, permanent book and tax differences and global tax planning strategies. We use this base rate to provide for income taxes on a year-to-date basis, excluding the effect of significant unusual items and items that are reported net of their related tax effects in the period in which they occur.

Our base rate reflects a change in the U.S. federal statutory rate from 35 percent to 21 percent resulting from the enactment of the Tax Cuts and Jobs Act of 2017 (the "Tax Act") on December 22, 2017. The statutory tax rate for our fiscal year 2019 is 21 percent.

The effective tax rate was 14.0 percent and 18.5 percent in the three and six months ended March 31, 2019, respectively, compared to 24.1 percent and 101.5 percent in the three and six months ended March 31, 2018. The effective tax rate was lower than the U.S. statutory rate of 21 percent in the three months ended March 31, 2019, primarily because of the PTC investment adjustments without a corresponding tax effect. The effective tax rate was lower than the U.S. statutory rate of 21 percent in the six months ended March 31, 2019, primarily because we benefited from lower non-U.S. tax rates. The effective tax rate was lower than the U.S statutory rate of 24.5 percent in the three months ended March 31, 2018, primarily because we benefited from lower non-US tax rates, partially offset by provisional tax charges (\$11.5 million or 3.8 percent) resulting from the Tax Act. The effective tax rate was higher than the U.S. statutory rate of 24.5 percent in the six months ended March 31, 2018, due to provisional tax expense (\$491.2 million or 81.8 percent) resulting from the Tax Act.

During the first quarter of fiscal year 2019, the Company completed its analysis of the impact of the Tax Act in accordance with the SEC Staff Accounting Bulletin No. 118 ("SAB 118") and the amounts are no longer considered provisional. This resulted in no change to the provisional amounts recorded in fiscal year 2018 related to the revaluation of U.S. deferred tax assets and liabilities and the one-time transition tax liability on earnings of our foreign subsidiaries that were previously deferred from U.S. income tax.

Unrecognized Tax Benefits

The amount of gross unrecognized tax benefits was \$20.1 million at March 31, 2019 and September 30, 2018, of which the entire amount would reduce our effective tax rate if recognized.

Accrued interest and penalties related to unrecognized tax benefits were \$2.9 million and \$2.5 million at March 31, 2019 and September 30, 2018, respectively. We recognize interest and penalties related to unrecognized tax benefits in the income tax provision.

We believe it is reasonably possible that the amount of gross unrecognized tax benefits could be reduced by up to \$6.0 million in the next 12 months as a result of the resolution of tax matters in various global jurisdictions and the lapses of statutes of limitations. If all of the unrecognized tax benefits were recognized, the net reduction to our income tax provision, including the recognition of interest and penalties and offsetting tax assets, could be up to \$5.6 million.

We conduct business globally and are routinely audited by the various tax jurisdictions in which we operate. We are no longer subject to U.S. federal income tax examinations for years before 2016 and are no longer subject to state, local and foreign income tax examinations for years before 2009.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (continued) (Unaudited)

14. Business Segment Information

The following tables reflect the sales and operating results of our reportable segments (in millions):

| | | Three Mor Mar | nths E ch 31, | | Six Months Ended March 31, | | | |
|---|-----------|------------------|------------------|---------|-----------------------------------|------|---------|--|
| | 2019 2018 | | | 2019 | | 2018 | | |
| Sales | | | | | | | | |
| Architecture & Software | \$ | 739.7 | \$ | 756.5 | \$ 1,492.8 | \$ | 1,492.1 | |
| Control Products & Solutions | | 917.5 | | 894.7 | 1,806.7 | | 1,745.7 | |
| Total | \$ | 1,657.2 | \$ | 1,651.2 | \$ 3,299.5 | \$ | 3,237.8 | |
| Segment operating earnings | | | - | | | - | | |
| Architecture & Software | \$ | 209.9 | \$ | 217.2 | \$ 446.9 | \$ | 441.4 | |
| Control Products & Solutions | | 143.9 | | 127.7 | 281.8 | | 258.9 | |
| Total | | 353.8 | | 344.9 | 728.7 | | 700.3 | |
| Purchase accounting depreciation and amortization | | (4.3) | | (4.5) | (8.4) | | (8.9) | |
| General corporate – net | | (26.7) | | (24.8) | (48.6) | | (48.8) | |
| Non-operating pension and postretirement benefit credit (cost) | | 2.6 | | (5.7) | 5.2 | | (11.5) | |
| Costs related to unsolicited Emerson proposals | | _ | | _ | _ | | (11.2) | |
| Gain (loss) on investments | | 98.2 | | _ | (148.2) | | _ | |
| Valuation adjustments related to the registration of PTC securities | | _ | | _ | 33.7 | | _ | |
| Interest (expense) income - net | | (21.2) | | (10.3) | (39.2) | | (22.5) | |
| Income before income taxes | \$ | 402.4 | \$ | 299.6 | \$ 523.2 | \$ | 597.4 | |

Effective October 1, 2018, we realigned our reportable segments for a transfer of business activities between our segments. We also reclassified interest income from General corporate - net to Interest (expense) income - net and retrospectively applied the requirements of the new pension standard, reclassifying non-operating pension and postretirement benefit cost out of segment operating earnings. As a result, the prior period presentation of reportable segments has been restated to conform to the current segment reporting structure. These changes did not impact the Consolidated Statement of Operations.

Among other considerations, we evaluate performance and allocate resources based upon segment operating earnings before income taxes, costs related to the unsolicited Emerson proposals in the first quarter of fiscal 2018, interest (expense) income - net, costs related to corporate offices, non-operating pension and postretirement benefit credit (cost), certain corporate initiatives, gains and losses on investments, valuation adjustments related to the registration of PTC securities, gains and losses from the disposition of businesses, and purchase accounting depreciation and amortization. We incurred \$11.2 million of third-party advisory fees in connection with our evaluation of unsolicited Emerson acquisition proposals in the first quarter of 2018. Depending on the product, intersegment sales within a single legal entity are either at cost or cost plus a mark-up, which does not necessarily represent a market price. Sales between legal entities are at an appropriate transfer price. We allocate costs related to shared segment operating activities to the segments using a methodology consistent with the expected benefit.

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and Shareowners of Rockwell Automation, Inc. Milwaukee, Wisconsin

Results of Review of Interim Financial Information

We have reviewed the accompanying consolidated balance sheet of Rockwell Automation, Inc. and subsidiaries (the "Company") as of March 31, 2019, the related consolidated statements of operations, comprehensive income, and shareowners' equity for the three -month and six -month periods ended March 31, 2019 and 2018, and of cash flows for the six -month periods ended March 31, 2019 and 2018, and the related notes (collectively referred to as the "interim financial information"). Based on our reviews, we are not aware of any material modifications that should be made to the accompanying interim financial information for it to be in conformity with accounting principles generally accepted in the United States of America.

We have previously audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated balance sheet of the Company as of September 30, 2018, and the related consolidated statements of operations, comprehensive income, cash flows and shareowners' equity for the year then ended (not presented herein); and in our report dated November 9, 2018, we expressed an unqualified opinion on those consolidated financial statements. In our opinion, the information set forth in the accompanying consolidated balance sheet as of September 30, 2018, is fairly stated, in all material respects, in relation to the consolidated balance sheet from which it has been derived.

Basis for Review Results

This interim financial information is the responsibility of the Company's management. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our reviews in accordance with standards of the PCAOB. A review of interim financial information consists principally of applying analytical procedures and making inquiries of persons responsible for financial and accounting matters. It is substantially less in scope than an audit conducted in accordance with the standards of the PCAOB, the objective of which is the expression of an opinion regarding the financial statements taken as a whole. Accordingly, we do not express such an opinion.

/s/ DELOITTE & TOUCHE LLP

Milwaukee, Wisconsin April 25, 2019

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

Results of Operations

Forward-Looking Statements

This Quarterly Report contains statements (including certain projections and business trends) that are "forward-looking statements" as defined in the Private Securities Litigation Reform Act of 1995. Words such as "believe", "estimate", "project", "plan", "expect", "anticipate", "will", "intend" and other similar expressions may identify forward-looking statements. Actual results may differ materially from those projected as a result of certain risks and uncertainties, many of which are beyond our control, including but not limited to:

- macroeconomic factors, including global and regional business conditions, the availability and cost of capital, commodity prices, the cyclical nature of our customers' capital spending, sovereign debt concerns and currency exchange rates;
- laws, regulations and governmental policies affecting our activities in the countries where we do business, including those related to tariffs, taxation, and trade controls;
- the successful development of advanced technologies and demand for and market acceptance of new and existing hardware and software products;
- the availability and price of components and materials;
- the successful execution of our cost productivity initiatives;
- the availability, effectiveness and security of our information technology systems;
- competitive hardware and software products, solutions and services and pricing pressures, and our ability to provide high quality products, solutions and services;
- disruptions to our distribution channels or the failure of distributors to develop and maintain capabilities to sell our products;
- a disruption of our business due to natural disasters, pandemics, acts of war, strikes, terrorism, social unrest or other causes;
- our ability to manage and mitigate the risk related to security vulnerabilities and breaches of our products, solutions and services;
- intellectual property infringement claims by others and the ability to protect our intellectual property;
- the uncertainty of claims by taxing authorities in the various jurisdictions where we do business;
- our ability to attract, develop, and retain qualified personnel;
- the uncertainties of litigation, including liabilities related to the safety and security of the hardware and software products, solutions and services we sell;
- our ability to manage and mitigate the risks associated with our solutions and services businesses;
- the successful integration and management of strategic transactions and achievement of the expected benefits of these transactions;
- risks associated with our investment in common stock of PTC Inc., including the potential for volatility in our reported quarterly earnings associated with changes in the market value of such stock;
- our ability to manage costs related to employee retirement and health care benefits; and
- other risks and uncertainties, including but not limited to those detailed from time to time in our Securities and Exchange Commission (SEC) filings.

These forward-looking statements reflect our beliefs as of the date of filing this report. We undertake no obligation to update or revise any forward-looking statement, whether as a result of new information, future events or otherwise. See Item 1A, *Risk Factors*, of our Annual Report on Form 10-K for the fiscal year ended September 30, 2018, for more information.

Non-GAAP Measures

The following discussion includes organic sales, total segment operating earnings and margin, Adjusted Income, Adjusted EPS, Adjusted Effective Tax Rate and free cash flow, which are non-GAAP measures. See **Supplemental Sales Information** for a reconciliation of reported sales to organic sales and a discussion of why we believe this non-GAAP measure is useful to investors. See **Results of Operations** for a reconciliation of income before income taxes to total segment operating earnings and margin and a discussion of why we believe these non-GAAP measures are useful to investors. See **Results of Operations** for a reconciliation of net income, diluted EPS from net income and effective tax rate to Adjusted Income, Adjusted EPS and Adjusted Effective Tax Rate, respectively, and a discussion of why we believe these non-GAAP measures are useful to investors. See **Financial Condition** for a reconciliation of cash flows from operating activities to free cash flow and a discussion of why we believe this non-GAAP measure is useful to investors.

Overview

Rockwell Automation, Inc., a leader in industrial automation and information, makes its customers more productive and the world more sustainable. Overall demand for our hardware and software products, solutions and services is driven by:

- investments in manufacturing, including upgrades, modifications and expansions of existing facilities or production lines and new facilities or production lines:
- investments in basic materials production capacity, which may be related to commodity pricing levels;
- our customers' needs for faster time to market, lower total cost of ownership, improved asset utilization and optimization, and enterprise risk management;
- our customers' needs to continuously improve quality, safety and sustainability;
- industry factors that include our customers' new product introductions, demand for our customers' products or services, and the regulatory and competitive environments in which our customers operate;
- levels of global industrial production and capacity utilization;
- regional factors that include local political, social, regulatory and economic circumstances; and
- the spending patterns of our customers due to their annual budgeting processes and their working schedules.

Long-term Strategy

We connect the imaginations of people with the intelligence of machines to expand what is humanly possible, making the world more intelligent, more connected and more productive. Our strategy is to bring The Connected Enterprise to life by integrating control and information across the enterprise. We deliver customer outcomes by combining advanced industrial automation with the latest information technology. Our growth and performance strategy seeks to:

- · achieve organic sales growth in excess of the automation market by expanding our served market and strengthening our competitive differentiation;
- diversify our sales streams by broadening our portfolio of hardware and software products, solutions and services, expanding our global presence and serving a
 wider range of industries and applications;
- grow market share by gaining new customers and by capturing a larger share of existing customers' spending;
- enhance our market access by building our channel capability and partner network;
- acquire companies that serve as catalysts to organic growth by adding complementary technology, expanding our served market, or enhancing our domain expertise or market access;
- deploy human and financial resources to strengthen our technology leadership and our intellectual capital business model;
- · continuously improve quality and customer experience; and
- · drive annual cost productivity.

By implementing the above strategy, we seek to achieve our long-term financial goals, including above-market organic sales growth, EPS growth above sales growth, return on invested capital in excess of 20 percent and free cash flow equal to about 100 percent of Adjusted Income. We expect acquisitions to add a percentage point or more per year to long-term sales growth.

O ur customers face the challenge of remaining globally cost competitive and automation can help them achieve their productivity and sustainability objectives. Our value proposition is to help our customers reduce time to market, lower total cost of ownership, improve asset utilization and manage enterprise risks.

U.S. Industrial Economic Trends

In the second quarter of fiscal 2019, sales in the U.S. accounted for 54% of our total sales. The primary indicators we use to gauge the direction and momentum of our served U.S. markets include:

- The Industrial Production (IP) Index, published by the Federal Reserve, which measures the real output of manufacturing, mining and electric and gas utilities. The IP Index is expressed as a percentage of real output in a base year, currently 2012. Historically, there has been a meaningful correlation between the changes in the IP Index and the level of automation investment made by our U.S. customers in their manufacturing base.
- The Manufacturing Purchasing Managers' Index (PMI), published by the Institute for Supply Management (ISM), which indicates the current and near-term state of manufacturing activity in the U.S. According to the ISM, a PMI measure above 50 indicates that the U.S. manufacturing economy is generally expanding while a measure below 50 indicates that it is generally contracting.

The table below depicts trends in these indicators since the quarter ended September 2017. Recent industrial production forecasts continue to project growth in fiscal 2019.

| | IP Index | PMI |
|----------------------------|----------|------|
| Fiscal 2019 quarter ended: | | |
| March 2019 | 110.3 | 55.3 |
| December 2018 | 110.3 | 54.3 |
| Fiscal 2018 quarter ended: | | |
| September 2018 | 109.3 | 59.5 |
| June 2018 | 107.9 | 60.0 |
| March 2018 | 106.7 | 59.3 |
| December 2017 | 106.1 | 59.3 |
| Fiscal 2017 quarter ended: | | |
| September 2017 | 104.2 | 60.2 |

Note: Economic indicators are subject to revision by the issuing organizations.

Non-U.S. Economic Trends

In the second quarter of fiscal 2019, sales to customers outside the U.S. accounted for 46% of our total sales. These customers include both indigenous companies and multinational companies with expanding global presence. In addition to the global factors previously mentioned in the "Overview" section, international demand, particularly in emerging markets, has historically been driven by the strength of the industrial economy in each region, investments in infrastructure and expanding consumer markets. We use changes in key countries' gross domestic product and industrial production as indicators of the growth opportunities in each region where we do business. Recent industrial production forecasts continue to project growth in most of our key countries in fiscal 2019.

Summary of Results of Operations

Sales in the second quarter of fiscal 2019 increased 0.4 percent compared to the second quarter of 2018. Organic sales increased 3.6 percent year over year. Currency translation decreased sales by 3.2 percentage points. Organic sales growth in the quarter was driven by strong growth in heavy industries and consumer, partly offset by a decrease in automotive.

The following is a summary of our results related to key growth initiatives:

- Logix sales decreased 6 percent year over year in the second quarter of fiscal 2019. Logix organic sales decreased 2 percent year over year, and currency translation decreased sales by 4 percentage points.
- Process initiative sales increased 6 percent year over year in the second quarter of fiscal 2019. Process initiative organic sales increased 10 percent year over year, and currency translation decreased sales by 4 percentage points.
- Reported sales in emerging countries year over year in the second quarter of fiscal 2019 were flat. Organic sales in emerging countries increased 7 percent year over year. Currency translation decreased sales in emerging countries by 7 percent points.

The following table reflects our sales and operating results (in millions, except per share amounts and percentages):

| | Three Mo Ma | nded | | Six Months Ended March 31, | | | | |
|---|--------------------|------|---------|-------------------------------|---------|----|---------|--|
| | 2019 | | 2018 | | 2019 | | 2018 | |
| Sales | | | | | | | | |
| Architecture & Software | \$ 739.7 | \$ | 756.5 | \$ | 1,492.8 | \$ | 1,492.1 | |
| Control Products & Solutions | 917.5 | | 894.7 | | 1,806.7 | | 1,745.7 | |
| Total sales (a) | \$ 1,657.2 | \$ | 1,651.2 | \$ | 3,299.5 | \$ | 3,237.8 | |
| Segment operating earnings (1) | | | | | | | | |
| Architecture & Software | \$ 209.9 | \$ | 217.2 | \$ | 446.9 | \$ | 441.4 | |
| Control Products & Solutions | 143.9 | | 127.7 | | 281.8 | | 258.9 | |
| Total segment operating earnings (2) (b) | 353.8 | | 344.9 | . , | 728.7 | | 700.3 | |
| Purchase accounting depreciation and amortization | (4.3) | | (4.5) | | (8.4) | | (8.9) | |
| General corporate — net | (26.7) | | (24.8) | | (48.6) | | (48.8) | |
| Non-operating pension and postretirement benefit credit (cost) | 2.6 | | (5.7) | | 5.2 | | (11.5) | |
| Costs related to unsolicited Emerson proposals | _ | | | | | | (11.2) | |
| Gain (loss) on investments | 98.2 | | _ | | (148.2) | | _ | |
| Valuation adjustments related to the registration of PTC securities | _ | | _ | | 33.7 | | _ | |
| Interest (expense) income, net | (21.2) | | (10.3) | | (39.2) | | (22.5) | |
| Income before income taxes (c) | 402.4 | | 299.6 | | 523.2 | | 597.4 | |
| Income tax provision (3) | (56.4) | | (72.2) | | (96.9) | | (606.4) | |
| Net income | \$ 346.0 | \$ | 227.4 | \$ | 426.3 | \$ | (9.0) | |
| | | | | | | | | |
| Diluted EPS | \$ 2.88 | \$ | 1.77 | \$ | 3.53 | \$ | (0.07) | |
| - H 1709 (0) | • • • | | | | | | | |
| Adjusted EPS (4) | \$ 2.04 | \$ | 1.89 | \$ | 4.26 | \$ | 3.85 | |
| Diluted weighted average outstanding shares for diluted EPS | 120.0 | | 128.5 | | 120.7 | | 127.6 | |
| | | | | | | | | |
| Diluted weighted average outstanding shares for adjusted EPS (4) | 120.0 | - | 128.5 | | 120.7 | | 129.3 | |
| Total segment operating margin (2) (b/a) | 21.3% | | 20.9% | | 22.1% | | 21.6% | |
| Total segment operating margin (0/a) | 21.5/0 | | 20.770 | | 22.1/0 | | 21.070 | |
| Pre-tax margin (c/a) | 24.3% | | 18.1% | | 15.9% | | 18.5% | |

- (1) See Note 14 in the Consolidated Financial Statements for the definition of segment operating earnings.
- (2) Total segment operating earnings and total segment operating margin are non-GAAP financial measures. We exclude purchase accounting depreciation and amortization, general corporate net, non-operating pension and postretirement benefit credit (cost), costs related to the unsolicited Emerson proposals in the first quarter of fiscal 2018, gains and losses on investments, valuation adjustments related to the registration of PTC securities, interest (expense) income net and income tax provision because we do not consider these costs to be directly related to the operating performance of our segments. We believe that these measures are useful to investors as measures of operating performance. We use these measures to monitor and evaluate the profitability of our Company. Our measures of total segment operating earnings and total segment operating margin may be different from those used by other companies.
- (3) During the three and six months ended March 31, 2018, we recorded charges of \$11.5 million and \$479.7 million, respectively, associated with the enactment of the Tax Act. Refer to Note 13 in the Consolidated Financial Statements for further information.
- (4) Adjusted EPS is a non-GAAP earnings measure that excludes non-operating pension and postretirement benefit cost (credit), costs related to the unsolicited Emerson proposals in the first quarter of fiscal 2018, gains and losses on investments, and valuation adjustments related to the registration of PTC securities, including their respective tax effects and the charges associated with the enactment of the Tax Act in fiscal 2018. See *Adjusted Income*, *Adjusted EPS and Adjusted Effective Tax Rate Reconciliation* for more information on this non-GAAP measure.

Purchase accounting depreciation and amortization and non-operating pension and postretirement benefit cost are not allocated to our operating segments because these costs are excluded from our measurement of each segment's operating performance for internal purposes. If we were to allocate these costs, we would attribute them to each of our segments as follows (in millions):

| | | Three Months Ended March 31, | | | | | Six Months Ended March 31, | | | |
|---|-----|---------------------------------|----|------|----|------|-------------------------------|------|--|--|
| | | 2019 | | 2018 | | 2019 | | 2018 | | |
| Purchase accounting depreciation and amortization | | | | | | | | | | |
| Architecture & Software | \$ | 1.6 | \$ | 1.7 | \$ | 3.0 | \$ | 3.3 | | |
| Control Products & Solutions | | 2.4 | | 2.5 | | 4.8 | | 5.0 | | |
| Non-operating pension and postretirement benefit cost | | | | | | | | | | |
| Architecture & Software | | 1.5 | | 1.7 | | 3.1 | | 3.4 | | |
| Control Products & Solutions | | 2.4 | | 2.7 | | 4.8 | | 5.3 | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | 2.5 | | | | | | | | | |

Adjusted Income, Adjusted EPS and Adjusted Effective Tax Rate Reconciliation

Adjusted EPS and Adjusted Effective Tax Rate are non-GAAP earnings measures that exclude non-operating pension and postretirement benefit (credit) cost, costs related to the unsolicited Emerson proposals in the first quarter of fiscal 2018, gains and losses on investments, and valuation adjustments related to the registration of PTC securities, including their respective tax effects, and the adjustments related to the Tax Act in fiscal 2018.

We believe that Adjusted Income, Adjusted EPS and Adjusted Effective Tax Rate provide useful information to our investors about our operating performance and allow management and investors to compare our operating performance period over period. Adjusted EPS is also used as a financial measure of performance for our annual incentive compensation. Our measures of Adjusted Income, Adjusted EPS and Adjusted Effective Tax Rate may be different from measures used by other companies. These non-GAAP measures should not be considered a substitute for net income, diluted EPS and effective tax rate.

We have adopted ASU 2017-07, which defines operating and non-operating pension and postretirement benefit cost. Under this new standard, only the service cost component of pension and postretirement benefit cost is an operating cost. All other components of pension and postretirement benefit cost are considered to be non-operating costs. These components of net periodic pension and postretirement benefit cost primarily relate to changes in pension assets and liabilities that are a result of market performance; we consider these and other excluded costs to be unrelated to the operating performance of our business.

The following are the components of operating and non-operating pension and postretirement benefit cost (in millions):

| | Three Months Ended March 31, | | | | | Six Months Ended March 31, | | | | |
|--|---------------------------------|--------|----|--------|------|-------------------------------|------|---------|--|--|
| | 2019 2018 | | | | 2019 | | 2018 | | | |
| Service cost | \$ | 19.8 | \$ | 22.7 | \$ | 39.6 | \$ | 45.2 | | |
| Operating pension and postretirement benefit cost | | 19.8 | | 22.7 | | 39.6 | | 45.2 | | |
| | | | | | | | | | | |
| Interest cost | | 40.1 | | 39.6 | | 80.3 | | 79.0 | | |
| Expected return on plan assets | | (61.2) | | (61.5) | | (122.4) | | (122.7) | | |
| Amortization of prior service credit | | (1.0) | | (1.3) | | (2.1) | | (2.4) | | |
| Amortization of net actuarial loss | | 19.7 | | 28.9 | | 39.4 | | 57.6 | | |
| Settlements | | (0.2) | | _ | | (0.4) | | _ | | |
| Non-operating pension and postretirement benefit (credit) cost | | (2.6) | | 5.7 | | (5.2) | | 11.5 | | |
| | | | | | | | | | | |
| Net periodic pension and postretirement benefit cost | \$ | 17.2 | \$ | 28.4 | \$ | 34.4 | \$ | 56.7 | | |

The following are reconciliations of net income, diluted EPS from net income and effective tax rate to Adjusted Income, Adjusted EPS and Adjusted Effective Tax Rate, respectively (in millions, except per share amounts and percentages):

| Non-operating pension and postretirement benefit (credit) cost Tax effect of non-operating pension and postretirement benefit (credit) cost Costs related to unsolicited Emerson proposals | 2019 \$ 346.0 | | 201 | | | | | ns Ended h 31, | | |
|--|----------------------|----------|----------|-----------|----|------------|----|-------------------|--|--|
| Non-operating pension and postretirement benefit (credit) cost Tax effect of non-operating pension and postretirement benefit (credit) cost Costs related to unsolicited Emerson proposals | | | 201 | 8 | | 2019 | | 2018 | | |
| Tax effect of non-operating pension and postretirement benefit (credit) cost Costs related to unsolicited Emerson proposals | /- |) | \$ 2 | 227.4 | \$ | 426.3 | \$ | (9.0) | | |
| Costs related to unsolicited Emerson proposals | (2.6 | 5) | | 5.7 | | (5.2) | | 11.5 | | |
| | 0.4 | ļ. | | (1.8) | | 0.7 | | (3.6) | | |
| | | - | | _ | | _ | | 11.2 | | |
| Tax effect of costs related to unsolicited Emerson proposals | _ | - | | _ | | _ | | (3.1) | | |
| Change in fair value of investments (1) | (98.2 | 2) | | _ | | 114.5 | | _ | | |
| Tax effect in the change in fair value of investments (1) | | - | | _ | | (21.7) | | _ | | |
| Effect of deemed repatriation of foreign earnings due to the Tax Act | _ | - | | 11.5 | | _ | | 397.0 | | |
| Effect of net deferred tax asset revaluation due to the Tax Act | _ | - | | _ | | _ | | 94.2 | | |
| Adjusted Income | \$ 245.6 | 5 | \$ 2 | 242.8 | \$ | 514.6 | \$ | 498.2 | | |
| Diluted EPS from net income | \$ 2.88 | , | \$ | 1.77 | \$ | 3.53 | \$ | (0.07) | | |
| | | | 3 | | Þ | | Ъ | (0.07) | | |
| Non-operating pension and postretirement benefit (credit) cost | (0.02) | 2) | | 0.04 | | (0.04) | | 0.08 | | |
| Tax effect of non-operating pension and postretirement benefit (credit) cost | _ | - | | (0.01) | | 0.01 | | (0.03) | | |
| Costs related to unsolicited Emerson proposals | _ | - | | _ | | _ | | 0.09 | | |
| Tax effect of costs related to unsolicited Emerson proposals | (0.02 | - | | _ | | 0.04 | | (0.02) | | |
| Change in fair value of investments (1) | (0.82 | 2) | | _ | | 0.94 | | _ | | |
| Tax effect in the change in fair value of investments (1) | _ | - | | _ | | (0.18) | | 2.05 | | |
| Effect of deemed repatriation of foreign earnings due to the Tax Act | _ | - | | 0.09 | | _ | | 3.07 | | |
| Effect of net deferred tax asset revaluation due to the Tax Act | | <u> </u> | _ | | | | _ | 0.73 | | |
| Adjusted EPS | \$ 2.04 | - | \$ | 1.89 | \$ | 4.26 | \$ | 3.85 | | |
| Effective tax rate | 14.0 |)% | | 24.1 % | | 18.5% | | 101.5 % | | |
| Tax effect of non-operating pension and postretirement benefit (credit) cost | 0.1 | % | | 0.2 % | | % | | 0.3 % | | |
| Tax effect of costs related to unsolicited Emerson proposals | _ | -% | | % | | % | | 0.1 % | | |
| Tax effect in the change in fair value of investments (1) | 4.5 | 5% | | % | | 0.1% | | —% | | |
| Effect of deemed repatriation of foreign earnings due to the Tax Act | _ | -% | | (3.8)% | | <u> </u> % | | (66.4)% | | |
| Effect of net deferred tax asset revaluation due to the Tax Act | _ | -% | | % | | % | | (15.8)% | | |
| Adjusted Effective Tax Rate | 18.6 | 5% | | 20.5 % | | 18.6% | | 19.7 % | | |

⁽¹⁾ Includes (gain) loss on investments and valuation adjustments related to the registration of PTC securities.

Three and Six Months Ended March 31, 2019, Compared to Three and Six Months Ended March 31, 2018

| | Three | Mon | ths Ended M | arch | 31, | Six Months Ended March 31, | | | | | | | | | |
|---|---------------|-----|-------------|------|--------|----------------------------|---------|----|---------|----|--------|--|--|--|--|
| (in millions, except per share amounts) | 2019 | | 2018 | | Change | | 2019 | | 2018 | | Change | | | | |
| Sales | \$ 1,657.2 | \$ | 1,651.2 | \$ | 6.0 | \$ | 3,299.5 | \$ | 3,237.8 | \$ | 61.7 | | | | |
| Income before income taxes | 402.4 | | 299.6 | | 102.8 | | 523.2 | | 597.4 | | (74.2) | | | | |
| Diluted EPS | 2.88 | | 1.77 | | 1.11 | | 3.53 | | (0.07) | | 3.60 | | | | |
| Adjusted EPS | 2.04 | | 1.89 | | 0.15 | | 4.26 | | 3.85 | | 0.41 | | | | |

Sales

Sales increased 0.4 percent and 1.9 percent year over year in the three and six months ended March 31, 2019, respectively. Organic sales increased 3.6 percent and 4.6 percent in the three and six months ended March 31, 2019, respectively. Currency translation decreased sales by 3.2 percentage points and 2.7 percentage points in the three and six months ended March 31, 2019, respectively.

Pricing contributed approximately 1.5 percentage points to sales growth in each of the three and six months ended March 31, 2019.

The table below presents our sales, attributed to the geographic regions based upon country of destination, and the percentage change from the same period a year ago (in millions, except percentages):

| | | | Change vs. | Change in Organic Sales (1) vs. |
|---------------|-------|--------------------------------|-----------------------------------|------------------------------------|
| | Three | Months Ended March 31, 2019 | Three Months Ended March 31, 2018 | Three Months Ended March 31, 2018 |
| North America | \$ | 987.1 | 1.4 % | 1.9% |
| EMEA | | 331.1 | (2.8)% | 5.5% |
| Asia Pacific | | 214.7 | (1.9)% | 3.6% |
| Latin America | | 124.3 | 5.4 % | 12.9% |
| Total Sales | \$ | 1,657.2 | 0.4 % | 3.6% |

| | | | Change vs. | Change in Organic Sales (1) vs. |
|---------------|----------------------------|-----------|---------------------------------|------------------------------------|
| | Six Months Ended M 2019 | Iarch 31, | Six Months Ended March 31, 2018 | Six Months Ended March 31, 2018 |
| North America | \$ | 1,985.9 | 3.6 % | 4.0% |
| EMEA | | 625.5 | (3.5)% | 2.6% |
| Asia Pacific | | 429.1 | (1.0)% | 3.9% |
| Latin America | | 259.0 | 8.5 % | 16.4% |
| Total Sales | \$ | 3,299.5 | 1.9 % | 4.6% |

⁽¹⁾ Organic sales and organic sales growth exclude the effect of changes in currency exchange rates, acquisitions and divestitures. See **Supplemental Sales Information** for information on this non-GAAP measure.

Three and Six Months Ended March 31, 2019, Compared to Three and Six Months Ended March 31, 2018

- North America organic sales increased in the three and six months ended March 31, 2019, mainly due to strength in heavy industries and consumer, partially offset by weakness in automotive.
- EMEA organic sales increased year over year in the three and six months ended March 31, 2019, led by consumer.
- Organic sales in Asia Pacific increased in the three and six months ended March 31, 2019, led by heavy industries and automotive.
- Latin America organic sales increased in the three and six months ended March 31, 2019, led by heavy industries.

General Corporate - Net

General corporate - net expenses was \$26.7 million and \$48.6 million in the three and six months ended March 31, 2019, respectively, compared to \$24.8 million and \$48.8 million the three and six months ended March 31, 2018, respectively.

Income before Income Taxes

Income before income taxes increased 34 percent year over year in the three months ended March 31, 2019. The increase in income before income taxes was primarily due to the gain on our investment in PTC. Income before income taxes decreased 12 percent year over year in the six months ended March 31, 2019. The decrease in income before income taxes was primarily due to the loss on our investment in PTC. Total segment operating earnings increased 3 percent and 4 percent in the three and six months ended March 31, 2019, respectively. The increase in total segment operating earnings was due to higher sales, partially offset by higher investment spending.

Income Taxes

The effective tax rate for the three months ended March 31, 2019, was 14.0 percent compared to 24.1 percent for the three months ended March 31, 2018. The decrease in the effective tax rate was primarily due to the prior year impact of provisional tax expense related to the transition tax on the deemed repatriation of foreign earnings (\$11.5 million or 3.8 percent) resulting from the Tax Act as well as the PTC investment adjustments without a corresponding tax effect. Our Adjusted Effective Tax Rate for the three months ended March 31, 2019 was 18.6 percent compared to 20.5 percent for the three months ended March 31, 2018. Refer to Note 13 in the Consolidated Financial Statements for further information regarding the effect of the enactment of the Tax Act on our financial condition and results of operations.

The effective tax rate for the six months ended March 31, 2019, was 18.5 percent compared to 101.5 percent for the six months ended March 31, 2018. The decrease in the effective tax rate was primarily due to the prior year impact of provisional tax expense related to the transition tax on the deemed repatriation of foreign earnings (\$397.0 million or 66.4 percent) and the revaluation of net deferred tax assets (\$94.2 million or 15.8 percent) resulting from the Tax Act. Our Adjusted Effective Tax Rate for the six months ended March 31, 2019 was 18.6 percent compared to 19.7 percent for the six months ended March 31, 2018. Refer to Note 13 in the Consolidated Financial Statements for further information regarding the effect of the enactment of the Tax Act on our financial condition and results of operations.

Three and Six Months Ended March 31, 2019, Compared to Three and Six Months Ended March 31, 2018

Architecture & Software

| | Tł | ree M | onths Ended | Marc | eh 31, | Six Months Ended March 31, | | | | | | | | | | |
|-----------------------------------|-------------|-------|-------------|------|-----------|----------------------------|---------|----|---------|----|---------|--|--|--|--|--|
| (in millions, except percentages) | 2019 | | 2018 | | Change | | 2019 | | 2018 | | Change | | | | | |
| Sales | \$ 739.7 | \$ | 756.5 | \$ | (16.8) | \$ | 1,492.8 | \$ | 1,492.1 | \$ | 0.7 | | | | | |
| Segment operating earnings | 209.9 | | 217.2 | | (7.3) | | 446.9 | | 441.4 | | 5.5 | | | | | |
| Segment operating margin | 28.4% | | 28.7% | | (0.3) pts | | 29.9% | | 29.6% | | 0.3 pts | | | | | |

Sales

Architecture & Software sales decreased 2.2 percent year over year in the three months ended March 31, 2019. Sales remained flat year over year in the six months ended March 31, 2019. Architecture & Software organic sales increased 1.2 percent and 2.9 percent in the three and six months ended March 31, 2019, respectively. Currency translation decreased sales by 3.5 percentage points and 2.9 percentage points in the three and six months ended March 31, 2019, respectively. An acquisition increased sales by 0.1 percentage points in the three months ended March 31, 2019.

For both reported and organic growth, Asia Pacific was the only region to report growth for the three and six months ended March 31, 2019. EMEA grew organically in the three and six months ended March 31, 2019.

Logix sales decreased 6 and 1 percent year over year in the three and six months ended March 31, 2019, respectively. Logix organic sales decreased 2 percent and increased 2 percent year over year in the three and six months ended March 31, 2019, respectively, while currency translation decreased Logix sales by 4 and 3 percentage points in the three and six months ended March 31, 2019, respectively.

Operating Margin

Architecture & Software segment operating earnings decreased 3.4 percent year over year in the three months ended March 31, 2019. Segment operating earnings increased 1.2 percent year over year in the six months ended March 31, 2019. Segment operating margin decreased to 28.4 percent from 28.7 percent in the three months ended March 31, 2019. Segment operating margin increased to 29.9 percent from 29.6 percent in the six months ended March 31, 2019.

Three and Six Months Ended March 31, 2019, Compared to Three and Six Months Ended March 31, 2018

Control Products & Solutions

| | Th | ree N | Ionths Ended | Marc | h 31, | Six Months Ended March 31, | | | | | | | | | | | |
|-----------------------------------|-------------|-------|--------------|------|---------|----------------------------|---------|----|---------|----|---------|--|--|--|--|--|--|
| (in millions, except percentages) | 2019 | | 2018 | | Change | | 2019 | | 2018 | | Change | | | | | | |
| Sales | \$ 917.5 | \$ | 894.7 | \$ | 22.8 | \$ | 1,806.7 | \$ | 1,745.7 | \$ | 61.0 | | | | | | |
| Segment operating earnings | 143.9 | | 127.7 | | 16.2 | | 281.8 | | 258.9 | | 22.9 | | | | | | |
| Segment operating margin | 15.7% | | 14.3% | | 1.4 pts | | 15.6% | , | 14.8% | | 0.8 pts | | | | | | |

Sales

Control Products & Solutions sales increased 2.5 percent and 3.5 percent year over year in the three and six months ended March 31, 2019. Organic sales increased 5.7 percent and 6.1 percent and currency translation decreased sales by 3.2 percentage points and 2.6 percentage points in the three and six months ended March 31, 2019, respectively.

For both reported and organic growth, North America and Latin America were the only regions to report growth for the three and six months ended March 31, 2019.

Product sales decreased 1 percent and increased 1 percent year over year in the three and six months March 31, 2019, respectively. Product organic sales increased by 2 and 3 percent and currency translation decreased sales by 3 and 2 percentage points in the three and six months ended March 31, 2019, respectively.

Sales in our solutions and services businesses increased 5 percent in each of the three and six months ended March 31, 2019. Organic sales in our solutions and services businesses increased 8 percent and currency translation decreased sales by 3 percentage points in each of the three and six months ended March 31, 2019.

Operating Margin

Control Products & Solutions segment operating earnings increased 12.7 percent and 8.8 percent year over year in the three and six months ended March 31, 2019, respectively. Segment operating margin increased to 15.7 percent and 15.6 percent in the three and six months ended March 31, 2019, respectively, compared to 14.3 percent and 14.8 percent a year ago, primarily due to higher sales, partially offset by higher investment spending.

Financial Condition

The following is a summary of our cash flows from operating, investing and financing activities, as reflected in the Consolidated Statement of Cash Flows (in millions):

| | | Six Mont Mar | | |
|---|----|-----------------|----|-----------|
| | 2 | 019 | | 2018 |
| Cash provided by (used for): | | | | |
| Operating activities | \$ | 355.8 | \$ | 594.1 |
| Investing activities | | 118.1 | | 503.3 |
| Financing activities | | (306.0) | | (1,103.4) |
| Effect of exchange rate changes on cash | | (6.7) | | 29.0 |
| Increase in cash and cash equivalents | \$ | 161.2 | \$ | 23.0 |

The following table summarizes free cash flow (in millions), which is a non-GAAP financial measure:

| | Six Mionti Marc | |
|---------------------------------------|------------------------|-------------|
| | 2019 | 2018 |
| Cash provided by operating activities | \$ 355.8 | \$ 594.1 |
| Capital expenditures | (80.9) | (56.2) |
| Free cash flow | \$ 274.9 | \$ 537.9 |
| | \$ | \$ |

Our definition of free cash flow takes into consideration capital investments required to maintain our businesses' operations and execute our strategy. Cash provided by continuing operating activities adds back non-cash depreciation expense to earnings but does not reflect a charge for necessary capital expenditures. Our definition of free cash flow excludes the operating cash flows and capital expenditures related to our discontinued operations, if any. Operating, investing and financing cash flows of our discontinued operations, if any, are presented separately in our Consolidated Statement of Cash Flows. In our opinion, free cash flow provides useful information to investors regarding our ability to generate cash from business operations that is available for acquisitions and other investments, service of debt principal, dividends and share repurchases. We use free cash flow, as defined, as one measure to monitor and evaluate our performance, including as a financial measure for our annual incentive compensation. Our definition of free cash flow may differ from definitions used by other companies.

Cash provided by operating activities was \$355.8 million for the six months ended March 31, 2019, compared to \$594.1 million for the six months ended March 31, 2018. Free cash flow was \$274.9 million for the six months ended March 31, 2019, compared to \$537.9 million for the six months ended March 31, 2018. The year over year decreases in cash provided by operating activities and free cash flow in the first six months of fiscal 2019 compared to the first six months of fiscal 2018 were primarily due to an increase in working capital, a payment due to settlement of treasury locks, and higher tax payments, including a payment for taxes under the Tax Act related to deemed repatriation of foreign earnings.

We repurchased approximately 3.2 million shares of our common stock under our share repurchase program in the first six months of fiscal 2019. The total cost of these shares was \$528.8 million, of which \$11.9 million was recorded in accounts payable at March 31, 2019, related to share repurchases that did not settle until April 2019. We had \$18.3 million in unsettled share repurchases outstanding at September 30, 2018 that did not settle until October 2018. We repurchased approximately 3.6 million shares of our common stock in the first six months of fiscal 2018. The total cost of these shares was \$673.6 million, of which \$12.3 million was recorded in accounts payable at March 31, 2018, related to share repurchases that did not settle until April 2018. Our decision to repurchase shares in the remainder of 2019 will depend on business conditions, free cash flow generation, other cash requirements (including acquisitions) and stock price. At March 31, 2019, we had approximately \$579.6 million remaining for share repurchases under the \$1.0 billion share repurchase authorization approved by the Board of Directors on September 6, 2018. See Part II, Item 2, *Unregistered Sales of Equity Securities and Use of Proceeds*, for additional information regarding share repurchases.

Financial Condition (continued)

We expect future uses of cash to include working capital requirements, capital expenditures, additional contributions to our retirement plans, acquisitions of businesses and other inorganic investments, dividends to shareowners, repurchases of common stock, and repayments of debt. We expect to fund future uses of cash with a combination of existing cash balances and short-term investments, cash generated by operating activities, commercial paper borrowings or a new issuance of debt or other securities.

At March 31, 2019, the majority of our cash and cash equivalents were held by non-U.S. subsidiaries. As a result of the broad changes to the U.S. international tax system under the Tax Act, in fiscal year 2018 the Company began to account for substantially all of its non-U.S. subsidiaries as being immediately subject to tax, while still concluding that earnings are indefinitely reinvested for a limited number of subsidiaries.

In the first six months of fiscal year 2019, we repatriated \$415.3 million to the U.S. from our foreign subsidiaries. The source of these funds was cash and cash equivalents and from the liquidation of short and long-term investments. We anticipate repatriating additional amounts over the remainder of fiscal year 2019.

In addition to cash generated by operating activities, we have access to existing financing sources, including the public debt markets and unsecured credit facilities with various banks.

In March 2019, we issued \$1 billion aggregate principal amount of long-term notes in a registered public offering. The offering consisted of \$425.0 million of 3.500% notes due in March 2029 (2029 Notes) and \$575.0 million of 4.200% notes due in March 2049 (2049 Notes), both issued at a discount. Net proceeds to the Company from the debt offering were \$987.6 million. We used these net proceeds primarily to repay our outstanding commercial paper, with the remaining proceeds to be used for general corporate purposes.

There were no commercial paper borrowings outstanding as of March 31, 2019. Commercial paper borrowings were \$550.0 million at September 30, 2018. The weighted average interest rate of the commercial paper outstanding at September 30, 2018 was 2.27 percent.

On November 13, 2018, we replaced our former five-year \$1.0 billion unsecured revolving credit facility with a new five-year \$1.25 billion unsecured revolving credit facility expiring in November 2023. We can increase the aggregate amount of this credit facility by up to \$750.0 million, subject to the consent of the banks in the credit facility. We did not incur early termination penalties in connection with the termination of the former credit facility. We have not borrowed against either credit facility during the periods ended March 31, 2019 or September 30, 2018. Borrowings under this credit facility bear interest based on short-term money market rates in effect during the period the borrowings are outstanding. The terms of this credit facility contain covenants under which we agree to maintain an EBITDA-to-interest ratio of at least 3.0 to 1.0. The EBITDA-to-interest ratio is defined in the credit facility as the ratio of consolidated EBITDA (as defined in the facility) for the preceding four quarters to consolidated interest expense for the same period.

Separate short-term unsecured credit facilities of approximately \$153.6 million at March 31, 2019, were available to non-U.S. subsidiaries. Borrowings under our non-U.S. credit facilities at March 31, 2019 and 2018 were not significant. We were in compliance with all covenants under our credit facilities at March 31, 2019 and 2018. There are no significant commitment fees or compensating balance requirements under our credit facilities.

Among other uses, we can draw on our credit facility as a standby liquidity facility to repay our outstanding commercial paper as it matures. This access to funds to repay maturing commercial paper is an important factor in maintaining the short-term credit ratings set forth in the table below. Under our current policy with respect to these ratings, we expect to limit our other borrowings under our credit facility, if any, to amounts that would leave enough credit available under the facility so that we could borrow, if needed, to repay all of our then outstanding commercial paper as it matures.

The following is a summary of our credit ratings as of March 31, 2019 :

| | Short-Term Rating | Long-Term Rating | |
|----------------------|-------------------|------------------|---------|
| Credit Rating Agency | | | Outlook |
| Standard & Poor's | A-1 | A | Stable |
| Moody's | P-2 | A3 | Stable |
| Fitch Ratings | F1 | A | Stable |

Financial Condition (continued)

Our ability to access the commercial paper market, and the related costs of these borrowings, is affected by the strength of our credit ratings and market conditions. We have not experienced any difficulty in accessing the commercial paper market to date. If our access to the commercial paper market is adversely affected due to a change in market conditions or otherwise, we would expect to rely on a combination of available cash and our unsecured committed credit facility to provide short-term funding. In such event, the cost of borrowings under our unsecured committed credit facility could be higher than the cost of commercial paper borrowings.

We regularly monitor the third-party depository institutions that hold our cash and cash equivalents and short-term investments. We diversify our cash and cash equivalents among counterparties to minimize exposure to any one of these entities. In February 2017, we began investing in investment-grade fixed income securities, including corporate debt and government obligations, to provide further diversification. Refer to Note 9 in the Consolidated Financial Statements for further discussion of these investments. Our emphasis is primarily on safety and liquidity of principal and secondarily on maximizing yield on those funds.

We use foreign currency forward exchange contracts to manage certain foreign currency risks. We enter into these contracts to hedge our exposure to foreign currency exchange rate variability in the expected future cash flows associated with certain third-party and intercompany transactions denominated in foreign currencies forecasted to occur within the next two years. We also use these contracts to hedge portions of our net investments in certain non-U.S. subsidiaries against the effect of exchange rate fluctuations on the translation of foreign currency balances to the U.S. dollar. In addition, we use foreign currency forward exchange contracts that are not designated as hedges to offset transaction gains or losses associated with some of our assets and liabilities resulting from intercompany loans or other transactions with third parties that are denominated in currencies other than our entities' functional currencies. Our foreign currency forward exchange contracts are usually denominated in currencies of major industrial countries. We diversify our foreign currency forward exchange contracts among counterparties to minimize exposure to any one of these entities.

Net gains and losses related to derivative forward exchange contracts designated as cash flow hedges offset the related gains and losses on the hedged items during the periods in which the hedged items are recognized in earnings. During the three and six months ended March 31, 2019, we reclassified \$3.7 million and \$6.0 million, respectively, in pre-tax net gains related to cash flow hedges from accumulated other comprehensive loss into the Consolidated Statement of Operations. During the three and six months ended March 31, 2018, we reclassified \$6.8 million and \$12.0 million, respectively, in pre-tax net losses related to cash flow hedges from accumulated other comprehensive loss into the Consolidated Statement of Operations. We expect that approximately \$14.2 million of pre-tax net unrealized gains on cash flow hedges as of March 31, 2019, will be reclassified into earnings during the next 12 months.

Information with respect to our contractual cash obligations is contained in Item 7, *Management's Discussion and Analysis of Financial Condition and Results of Operations*, of our Annual Report on Form 10-K for the fiscal year ended September 30, 2018. We believe that at March 31, 2019, there has been no material change to this information.

Supplemental Sales Information

We translate sales of subsidiaries operating outside of the United States using exchange rates effective during the respective period. Therefore, changes in currency exchange rates affect our reported sales. Sales by acquired businesses also affect our reported sales. We believe that organic sales, defined as sales excluding the effects of changes in currency exchange rates and acquisitions, which is a non-GAAP financial measure, provides useful information to investors because it reflects regional and operating segment performance from the activities of our businesses without the effect of changes in currency exchange rates and acquisitions. We use organic sales as one measure to monitor and evaluate our regional and operating segment performance. We determine the effect of changes in currency exchange rates by translating the respective period's sales using the same currency exchange rates that were in effect during the prior year. When we acquire businesses, we exclude sales in the current period for which there are no comparable sales in the prior period. When we divest a business, we exclude sales in the prior period for which there are no comparable sales in the current period. Organic sales growth is calculated by comparing organic sales to reported sales in the prior year, excluding divestitures. We attribute sales to the geographic regions based on the country of destination.

The following is a reconciliation of our reported sales by geographic region to organic sales (in millions):

| | | Three M | hs Ended Ma | | Three Months Ended March 31, 2018 | | | | | | | | | |
|---------------------|---------------|---------|-------------------------------------|----|---|---------------------------|----|------------------|----|---------|----|---------------------------|----|----------------------------------|
| | Sales | | Effect of Changes in Currency | (| Sales Excluding Effect of Changes in Currency | Effect of Acquisitions | | Organic Sales | | Sales | | Effect of Divestitures | | Sales excluding vestitures |
| North America | \$ 987.1 | \$ | 5.3 | \$ | 992.4 | \$ (0.3) | \$ | 992.1 | \$ | 973.8 | \$ | _ | \$ | 973.8 |
| EMEA | 331.1 | | 28.5 | | 359.6 | (0.1) | | 359.5 | | 340.6 | | _ | | 340.6 |
| Asia Pacific | 214.7 | | 12.1 | | 226.8 | (0.1) | | 226.7 | | 218.9 | | _ | | 218.9 |
| Latin America | 124.3 | | 8.8 | | 133.1 | _ | | 133.1 | | 117.9 | | _ | | 117.9 |
| Total Company Sales | \$ 1,657.2 | \$ | 54.7 | \$ | 1,711.9 | \$ (0.5) | \$ | 1,711.4 | \$ | 1,651.2 | \$ | _ | \$ | 1,651.2 |

| | Six Months Ended March 31, 2019 | | | | | | | | | | | | | | Six Months Ended March 31, 2018 | | | | | | |
|---------------------|---------------------------------|---------|----|-------------------------------------|----|---|----|---------------------------|----|------------------|----|---------|----|---------------------------|---------------------------------|-----------------------------------|--|--|--|--|--|
| | | Sales | | Effect of Changes in Currency | C | Sales Excluding Effect of Changes in Currency | | Effect of Acquisitions | | Organic Sales | | Sales | | Effect of Divestitures | | Sales Excluding ivestitures | | | | | |
| North America | \$ | 1,985.9 | \$ | 9.1 | \$ | 1,995.0 | \$ | (0.3) | \$ | 1,994.7 | \$ | 1,917.7 | \$ | _ | \$ | 1,917.7 | | | | | |
| EMEA | | 625.5 | | 39.3 | | 664.8 | | (0.1) | | 664.7 | | 648.0 | | _ | | 648.0 | | | | | |
| Asia Pacific | | 429.1 | | 21.4 | | 450.5 | | (0.1) | | 450.4 | | 433.4 | | _ | | 433.4 | | | | | |
| Latin America | | 259.0 | | 18.9 | | 277.9 | | _ | | 277.9 | | 238.7 | | _ | | 238.7 | | | | | |
| Total Company Sales | \$ | 3,299.5 | \$ | 88.7 | \$ | 3,388.2 | \$ | (0.5) | \$ | 3,387.7 | \$ | 3,237.8 | \$ | _ | \$ | 3,237.8 | | | | | |

The following is a reconciliation of our reported sales by operating segment to organic sales (in millions):

| | Three Months Ended March 31, 2019 | | | | | | | | | | | | Three Months Ended March 31, 2018 | | | | | |
|------------------------------|-----------------------------------|---------|----|-------------------------------------|---|---------|----|---------------------------|------------------|---------|----|---------|-----------------------------------|---------------------------|----|-----------------------------------|--|--|
| | | Sales | | Effect of Changes in Currency | Sales Excluding Effect of Changes in Currency | | | Effect of Acquisitions | Organic Sales | | | Sales | | Effect of Divestitures | | Sales Excluding ivestitures | | |
| Architecture & Software | \$ | 739.7 | \$ | 26.4 | \$ | 766.1 | \$ | (0.5) | \$ | 765.6 | \$ | 756.5 | \$ | | \$ | 756.5 | | |
| Control Products & Solutions | | 917.5 | | 28.3 | | 945.8 | | _ | | 945.8 | | 894.7 | | _ | | 894.7 | | |
| Total Company Sales | \$ | 1,657.2 | \$ | 54.7 | \$ | 1,711.9 | \$ | (0.5) | \$ | 1,711.4 | \$ | 1,651.2 | \$ | _ | \$ | 1,651.2 | | |

| | | Six Months Ended March 31, 2019 | | | | | Six Months Ended March 31, 2018 | | |
|------------------------------|------------|-------------------------------------|---|---------------------------|------------------|------------|---------------------------------|------------------------------------|--|
| | Sales | Effect of Changes in Currency | Sales Excluding Effect of Changes in Currency | Effect of Acquisitions | Organic Sales | Sales | Effect of Divestitures | Sales Excluding Divestitures | |
| Architecture & Software | \$ 1,492.8 | \$ 42.8 | \$ 1,535.6 | \$ (0.5) | \$ 1,535.1 | \$ 1,492.1 | \$ — | \$ 1,492.1 | |
| Control Products & Solutions | 1,806.7 | 45.9 | 1,852.6 | <u> </u> | 1,852.6 | 1,745.7 | _ | 1,745.7 | |
| Total Company Sales | \$ 3,299.5 | \$ 88.7 | \$ 3,388.2 | \$ (0.5) | \$ 3,387.7 | \$ 3,237.8 | <u> </u> | \$ 3,237.8 | |

Critical Accounting Estimates

We have prepared the Consolidated Financial Statements in accordance with accounting principles generally accepted in the United States, which require us to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the consolidated financial statements and revenues and expenses during the periods reported. These estimates are based on our best judgment about current and future conditions, but actual results could differ from those estimates. Information with respect to accounting estimates that are the most critical to the understanding of our financial statements as they could have the most significant effect on our reported results and require subjective or complex judgments by management is contained in Item 7, *Management's Discussion and Analysis of Financial Condition and Results of Operations*, of our Annual Report on Form 10-K for the fiscal year ended September 30, 2018. We believe that at March 31, 2019, there has been no material change to this information.

Environmental Matters

Information with respect to the effect of compliance with environmental protection requirements and resolution of environmental claims on us and our manufacturing operations is contained in Note 15 in the Consolidated Financial Statements in Item 8, *Financial Statements and Supplementary Data*, of our Annual Report on Form 10-K for the fiscal year ended September 30, 2018. We believe that at March 31, 2019, there has been no material change to this information.

Recent Accounting Pronouncements

See Note 1 in the Consolidated Financial Statements regarding recent accounting pronouncements.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

Information with respect to our exposure to interest rate risk and foreign currency risk is contained in Item 7A, *Quantitative and Qualitative Disclosures About Market Risk*, of our Annual Report on Form 10-K for the fiscal year ended September 30, 2018. We believe that at March 31, 2019, there has been no material change to this information.

Item 4. Controls and Procedures

Disclosure Controls and Procedures: We, with the participation of our Chief Executive Officer and Chief Financial Officer, have evaluated the effectiveness of our disclosure controls and procedures (as such term is defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended (Exchange Act)) as of the end of the fiscal quarter covered by this report. Based on that evaluation, our Chief Executive Officer and Chief Financial Officer have concluded that, as of the end of the fiscal quarter covered by this report, our disclosure controls and procedures were effective.

Internal Control Over Financial Reporting: There has not been any change in our internal control over financial reporting (as such term is defined in Exchange Act Rule 13a-15(f)) during the fiscal quarter to which this report relates that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

PART II. OTHER INFORMATION

Item 1. Legal Proceedings

Information with respect to our legal proceedings is contained in Item 3, *Legal Proceedings*, of our Annual Report on Form 10-K for the fiscal year ended September 30, 2018. We believe that at March 31, 2019, there has been no material change to this information.

Item 1A. Risk Factors

Information about our most significant risk factors is contained in Item 1A, *Risk Factors*, of our Annual Report on Form 10-K for the fiscal year ended September 30, 2018. We believe that at March 31, 2019, there has been no material change to this information, except that the risk factor related to acquisitions and technology investments is updated in its entirety as follows:

Failure to identify, manage, complete, and integrate strategic transactions may adversely affect our business or we may not achieve the expected benefits of these transactions

As part of our strategy, we may pursue strategic transactions, including acquisitions, joint ventures, investments, other business opportunities and purchases of technology from third parties. In order to be successful with these transactions, we must identify attractive transaction opportunities, successfully complete the transaction, and manage post-closing matters, such as integration of the acquired business or technology (including related personnel) and cooperation with our joint venture and other strategic partners. We may not be able to identify or complete beneficial transaction opportunities given the intense competition for them. Even if we successfully identify and complete such transactions, we may not achieve the expected benefits of such transactions and we may not be able to successfully address risks and uncertainties inherent in such transactions, including:

- difficulties in integrating the purchased or new operations, technologies, products or services, retaining customers and achieving the expected benefits of the transaction, such as sales increases, access to technologies, cost savings and increases in geographic or product presence, in the desired time frames;
- loss of key employees or difficulties integrating personnel;
- legal and compliance issues;
- difficulties implementing and maintaining consistent standards, financial systems, internal and other controls, procedures, policies and information systems;
- difficulties maintaining relationships with our joint venture and other strategic partners (including as a result of such joint venture and other strategic
 partners having differing business objectives) and managing disputes with such joint venture and other strategic partners that may arise in connection with
 our relationships with them; and
- diversion of management's attention from other business concerns.

Future strategic transactions and technology investments could result in debt, dilution, liabilities, increased interest expense, restructuring charges, and impairment and amortization expenses related to intangible assets.

With respect to our proposed joint venture with Schlumberger, completion of the transaction is subject to the receipt of certain regulatory approvals and the satisfaction of other customary conditions. Although the parties have agreed to work together to take all necessary actions to complete the transaction, there can be no assurance that these approvals will be obtained or that other conditions to completion of the transaction will be satisfied.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

Share Repurchases

The table below sets forth information with respect to purchases made by or on behalf of us of shares of our common stock during the three months ended March 31, 2019:

| Total Number of Shares Purchased ⁽¹⁾ | Average Price Paid Per Share | Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs | Maximum Approx. Dollar Value of Shares that May Yet Be Purchased Under the Plans or Programs ⁽³⁾ |
|--|--|--|---|
| 430,242 | \$ 158.62 | 430,242 | \$ 747,376,357 |
| 244,796 | 176.65 | 244,796 | 704,133,601 |
| 705,341 | 176.53 | 705,341 | 579,619,370 |
| 1,380,379 | 170.97 | 1,380,379 | |
| | Purchased (1) 430,242 244,796 705,341 | Purchased (1) Average Frice Faul Fer Share 430,242 \$ 158.62 244,796 176.65 705,341 176.53 | Total Number of Shares Purchased (1) Average Price Paid Per Share (2) Purchased as Part of Publicly Announced Plans or Programs 430,242 \$ 158.62 430,242 244,796 176.65 244,796 705,341 176.53 705,341 |

- (1) All of the shares purchased during the quarter ended March 31, 2019 were acquired pursuant to the repurchase programs described in (3) below.
- (2) Average price paid per share includes brokerage commissions.
- (3) On September 6, 2018, the Board of Directors authorized us to expend \$1.0 billion to repurchase shares of our common stock. Our repurchase programs allow us to repurchase shares at management's discretion or at our broker's discretion pursuant to a share repurchase plan subject to price and volume parameters.

Item 6. Exhibits

(a) Exhibits:

| Exhibit 4.1 | _ | Form of certificate for the Company's 3.500% Notes due March 1, 2029, filed as Exhibit 4.1 to the Company's Current Report on Form 8-K dated March 1, 2019, is hereby incorporated by reference. |
|--------------|---|---|
| Exhibit 4.2 | _ | Form of certificate for the Company's 4.200% Notes due March 1, 2049, filed as Exhibit 4.2 to the Company's Current Report on Form 8-K dated March 1, 2019, is hereby incorporated by reference. |
| Exhibit 10 | _ | Rockwell Automation Consultant Agreement, dated as of February 20, 2019, between the Company and Theodore Crandall, filed as Exhibit 99 to the Company's Current Report on Form 8-K dated February 22, 2019, is hereby incorporated by reference. |
| Exhibit 15 | _ | Letter of Deloitte & Touche LLP regarding Unaudited Financial Information. |
| Exhibit 31.1 | _ | Certification of Periodic Report by the Chief Executive Officer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934. |
| Exhibit 31.2 | _ | Certification of Periodic Report by the Chief Financial Officer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934. |
| Exhibit 32.1 | _ | Certification of Periodic Report by the Chief Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. |
| Exhibit 32.2 | _ | Certification of Periodic Report by the Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. |
| Exhibit 101 | _ | Interactive Data Files. |

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

ROCKWELL AUTOMATION, INC.

(Registrant)

Date: April 25, 2019

By /s/ P ATRICK P. G ORIS

Patrick P. Goris

Senior Vice President and Chief Financial Officer (Principal Financial Officer)

Date: April 25, 2019

By /s/ D AVID M. D ORGAN

David M. Dorgan Vice President and Controller (Principal Accounting Officer)

50

April 25, 2019

The Board of Directors and Shareowners of Rockwell Automation, Inc. 1201 South Second Street Milwaukee, Wisconsin 53204

We have reviewed, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the unaudited consolidated interim financial information of Rockwell Automation, Inc. and subsidiaries for the three -month and six -month periods ended March 31, 2019 and 2018, as indicated in our report dated April 25, 2019; because we did not perform an audit, we expressed no opinion on that information.

We are aware that our report referred to above, which is included in your Quarterly Report on Form 10-Q for the quarter ended March 31,2019, is incorporated by reference in Registration Statement Nos. 333-101780, 333-149581, 333-150019, 333-157203, 333-165727, 333-180557, 333-184400, 333-205022, and 333-209706 on Form S-8 and Registration Statement No. 333-228817 on Form S-3.

We also are aware that the aforementioned report, pursuant to Rule 436(c) under the Securities Act of 1933, is not considered a part of the Registration Statement prepared or certified by an accountant or a report prepared or certified by an accountant within the meaning of Sections 7 and 11 of that Act.

/s/ DELOITTE & TOUCHE LLP

Milwaukee, Wisconsin

CERTIFICATION

- I, Blake D. Moret, certify that:
- 1. I have reviewed this quarterly report on Form 10-Q of Rockwell Automation, Inc.;
- 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: April 25, 2019

/s/ B LAKE D. M ORET

Blake D. Moret President and Chief Executive Officer

CERTIFICATION

- I, Patrick P. Goris, certify that:
- 1. I have reviewed this quarterly report on Form 10-Q of Rockwell Automation, Inc.;
- 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: April 25, 2019

/ S / P ATRICK P. G ORIS

Patrick P. Goris Senior Vice President and Chief Financial Officer

CERTIFICATION OF PERIODIC REPORT

I, Blake D. Moret , President and Chief Executive Officer of Rockwell Automation, Inc. (the "Company"), certify pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, 18 U.S.C. Section 1350, that:

- (1) the Quarterly Report on Form 10-Q of the Company for the quarter ended March 31, 2019 (the "Report") fully complies with the requirements of Section 13(a) of the Securities Exchange Act of 1934; and
- (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: April 25, 2019

/s/ B LAKE D. M ORET

Blake D. Moret President and Chief Executive Officer

CERTIFICATION OF PERIODIC REPORT

- I, Patrick P. Goris, Senior Vice President and Chief Financial Officer of Rockwell Automation, Inc. (the "Company"), certify pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, 18 U.S.C. Section 1350, that:
 - (1) the Quarterly Report on Form 10-Q of the Company for the quarter ended March 31, 2019 (the "Report") fully complies with the requirements of Section 13(a) of the Securities Exchange Act of 1934; and
 - (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: April 25, 2019

/ S / P ATRICK P. G ORIS

Patrick P. Goris Senior Vice President and Chief Financial Officer