L08 – Speed Integration: CENTERLINE® Motor Control Centers, Studio 5000® Logix Designer and IntelliCENTER® Software
IntelliCENTER® Technology

- The intelligent MCC offering from Rockwell Automation® provides:
  - Built-In EtherNet/IP network
    - Ethernet switch quantity and port capacity is customized to meet specific node densities across your MCC
    - Multiple Ethernet connection and cable routing options provide additional network flexibility
    - Exclusive Allen-Bradley® UL Listed, PLTC rated 600V Ethernet cabling
  - Intelligent Motor Control connectivity
  - IntelliCENTER® Software customized to your MCC

Leverage IntelliCENTER® to enable and strengthen enterprise solutions
IntelliCENTER® Technology
Intelligent Motor Control - Overview

- Access intelligent devices across the factory-installed MCC EtherNet/IP network
  - PowerFlex® drives
  - SMC™ Flex soft starters
  - E300 Overload Relays
  - Point I/O

Simultaneous real-time control, configuration and data acquisition
IntelliCENTER® Technology
IntelliCENTER® Software - Overview

**System Level Dashboard**

- Virtual view of the MCC
- Simple dashboard presentation
- Customer configurable
- Exclusive functionality for MCCs

**Component Monitoring & Diagnostics**

- Parameter access
- Device monitoring
- Remote diagnostic support
- Support for all IMC devices in the MCC
- Trending and event logging
IntelliCENTER® Technology
IntelliCENTER® Software - Overview

HMI Support
ActiveX and IMC faceplates provided
Enables simple integration with On-Machine™ HMIs

Asset Management
Key customer documentation
- User manuals
- Customized wire diagrams
- Spare parts lists
**IntelliCENTER® Technology**

**IntelliCENTER® Software - Overview**

**Integration Assistant**

Add the IMC devices to your Logix program and FactoryTalk® EnergyMetrix™ database with the step through wizard.

**IntelliCENTER® Energy**

Real-time Energy usage of the Intelligent Motor Control devices within your MCC.

*IntelliCENTER® Software allows users to efficiently operate & maintain their MCCs.*
EtherNet/IP IntelliCENTER® MCC Storyboard

How to Access

- IntelliCENTER® Technology leverages an integrated EtherNet/IP Network, Intelligent Motor Control devices, and pre-configured IntelliCENTER® Software to enhance the performance of the CENTERLINE® MCC

- An interactive EtherNet/IP IntelliCENTER® MCC Storyboard was created to demonstrate these benefits and will be presented in this session

- A web-based version of the EtherNet/IP IntelliCENTER® MCC Storyboard can be accessed from the IntelliCENTER® pages on AB.com
  - Direct web-link can be found [here](#)
  - Runs on PCs, phones, tablets, etc.
The Lab

- Learn how to use Integration Assistant
  - Logix and FactoryTalk® EnergyMetrix™
- Become familiar with the various views
  - Elevation and Monitor View
- Learn how to access order specific documentation
  - How to add additional documents
- New Stratix™ Monitor View
- IntelliCENTER® ActiveX Controls
- How to troubleshoot devices remotely
Thank You!