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## Multifunction Instrument Asset

### What is MiA?

MiA was designed with recommendations from the International Society of Automation (ISA), a leading global, nonprofit standards organization with more than 40,000 members worldwide. MiA is an 82"x26"x80" mobile unit that can be brought to customers, colleges, and high schools for automation process control training.

### How Does MiA Work?

MiA can replicate many processes found in manufacturing plants, providing customers real-time training without disrupting production or causing damage to customer machines.



## Training

Werner Electric Supply will use MiA for a variety of training opportunities, including:

### Deep Dive Sessions

Customers are trained in the fundamentals of automation process control and taught how to set up instrumentation and develop supporting control logic.

### Process Training

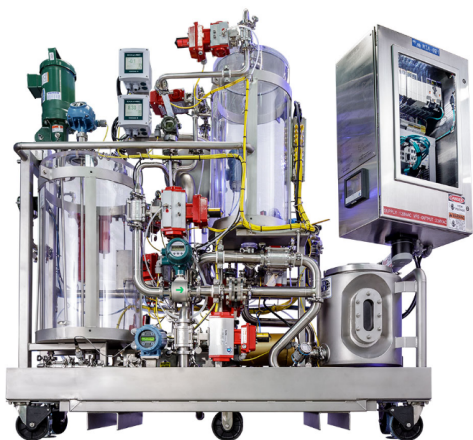
MiA is used as a simulated skid in a manufacturing facility to show employees how to extract and utilize relevant company data.

### Alarm Management

ISA can provide training at Werner Electric Supply's Appleton location, teaching the fundamentals of the ISA 18.2 Alarm Management standard.

### Single Day Classes

MiA can be transported to customers' locations for a day of customized on-site training



## Process & Systems

MiA can replicate a variety of process scenarios and strategies found in a manufacturing plant, including:

- Flow, level, pressure and temperature control
- Cascade control and feedforward control
- Sequence control, Clean-In-Place simulation, and batch control
- Data collection and maintenance based evaluations
- Alarm management



## Instrumentation

A large portion of the instrumentation contained within MiA was donated by Werner Electric Supply vendors:

**Rockwell Automation**  
 PlantPAx Distributed Control System  
 Industrial components  
 Motor control  
 Networking

**ARJAY AUTOMATION, INC.**  
 Yokogawa Corporation of America –  
 Coriolis, mag flow meters, pressure, data &  
 analytical instrumentation  
 REOTEMP – RTD temperature element

**Badger Meter**  
 Blacett turbine flow meter  
 RCV valve

**DURABLE CONTROLS, INC.**  
 Durable Controls  
 Klay – pressure instrumentation  
 Bray – valves

**nvent HOFFMAN**  
 Hoffman  
 Enclosure and cutouts  
 SYSPEND 281-MAX system

**SMC**  
 EX260-SEN1 valve manifold system and  
 components

**EMERSON**  
 Rosemount  
 Guided wave Level  
 Mag flow meter

**Micro Motion**  
 Micro Motion  
 Coriolis flow meter

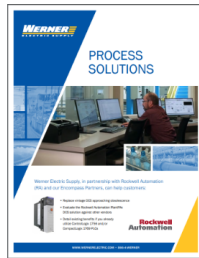
**HMS**  
 eWon Flexy 205  
 Anybus wireless Bolt

**aparian**  
 Aparian  
 Point protocol converter

**Endress+Hauser**  
 Endress Hauser  
 RTD temperature elements

**GRACE TECHNOLOGIES**  
 Grace Engineering  
 GracePort

Literature



Process Solutions Linecard



ISA Training Schedule



Process Instrumentation Linecard



MiA Brochure

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