

ABB Automation Operator Effectiveness

Do you have an interest in
Human Factors?

Are you involved in the design,
development or operation of Human
Machine Interfaces or Workflow
Management Systems?

Are you interested in the
architectures and technologies used
to integrate Field Operations, Control
Rooms and Remote Centres?

Ever since the early days of automation, there has been the need to relay information and accept supervisory decisions from operators. As processes grow more complex, the number of operational personnel decreases and the capability of technology expands, the effectiveness of operators becomes ever more crucial.

This holistic session covers the subject broadly, starting with overall concepts, through engineering lifecycle issues and concluding with the live demonstration of a real-time system.

Who should attend?

Managers, engineers and operators involved in the interaction of industrial systems with people.

Benefits of attending

- Gain an understanding of Human Factors
- Appreciate the evolution of industrial HMIs
- Overview of ISO 11064 and HSE guidelines
- Overview of IEC62682 and EEMUA201
- Knowledge of current Control System and IT technologies



Topics covered

- What is meant by Human Factors (HF), and how do they apply to the process industries?
- Current HF guidance and legislation
- Evolution of industrial HMIs
- Design of control centres
- Alarm Management systems and guidance
- HMI good practice and Standards
- Beyond DCS
 - Workflow management
 - Enterprise system integration
 - Collaborative working
- Evolving technologies
 - Handheld devices
 - Augmented Reality
 - Internet of Things

Duration: 1 or 2 hour session followed by optional discussion session or live demonstration

Venue: ABB offices in Cambridgeshire, Aberdeen or customer location