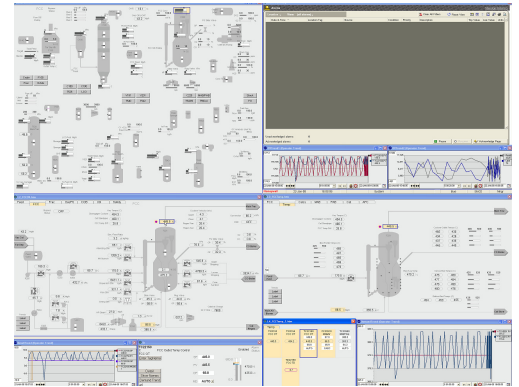# DESIGNING EFFECTIVE OPERATOR HMIs
A Seminar by Human Centered Solutions LLC

This seminar is typically led by the two lead authors of the ASM® Consortium Guidelines on *Effective Operator Display Design*, Drs. Peter Bullemer and Dal Vernon Reising. The seminar will provide the participant with a basic understanding of human factors principles, industry guidelines, and their application to the design of the console operator's HMI. In addition, the participant will learn how to incorporate human-centered development techniques into all phases of their HMI project to ensure a successful outcome.

Designing Effective Operator HMIs Topics

- ➢ The Elements of Human-Centered HMI Development
- ➢ The psychology of human attention, perception and cognition that influences HMI effectiveness
- ➢ Determining Information and Display Requirements
- ➢ Human factors design principles and their application to the HMI
- ➢ Advanced visualization concepts
- ➢ ASM business case study on High Situation Awareness HMIs
- ➢ Important Interactions between the HMI, Console, and Control Room Design
- ➢ Evaluating the effectiveness of the HMI design

About Human Centered Solutions

Human Centered Solutions (HCS) is a multi-disciplinary group of psychologists and engineers who apply human-centered design to enhance the performance of people in and around the control rooms. HCS provides expertise in operator staffing, control room and building design, console workstation design, operator interface design, alarm management, procedure system design, training system design, and work process design.

Comments from Previous Seminar Participants:

"Very good information that will be valuable on our upcoming projects"
"Highly valuable for the time and expense"

Who should attend:

Technology and Project Managers, Automation/Application Engineers, and DCS/HMI Specialists

To learn more about the Designing Effective HMIs seminar contact:

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REGISTER 10 Days before your workshop and receive a **FREE COPY** of the **ASM Consortium® Guidelines** *Effective Operator Display Design*

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