

# **Control Room Design Guide**

By Ian Nimmo, Stephen Maddox, Chris Heil



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Since the introduction of distributed control systems into control rooms, the mining, refining, chemical, and power industries have lived with, and suffered from, many behavioral problems common with this design. When Human Factors/Ergonomic design is introduced into a centralized control room, the users and the company realize many improvements including economic payback. Some of the common improvements include: 1. Communications issues get resolved, 2. Better coordination of materials, 3. Improved situation awareness during startups and abnormal operations, 4. Opportunities to make improvements during normal operations. This will guide you through the control room design process and provide information on the ISO 11064 control room design standard



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About the Author

Ian Nimmo is the President and Founder of User Centered Design Services Inc., an International human factors company based in Phoenix, AZ. Ian is a Fellow with ISA a member IET a CEI in UK. Formally Section Manager for Imperial Chemical Industries Ltd. in UK, he is an Electrical Engineer and served as the ASM Consortium Program Director for 10 years and ran one of NIST's most successful Advanced Technology Research Programs. Website: www.mycontrolroom.com

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