The High Performance HMI Handbook

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The High Performance HMI Handbook **is the first and only comprehensive book containing the best-practice principles for assessing, designing, and implementing proper process control Human-Machine Interfaces (HMIs). Poorly designed and poorly performing Human Machine Interfaces (HMIs) are rampant throughout the process industries. They can degrade safety, production, quality, and profitability. Time after time, they are cited as contributing factors to major industrial accidents.**

The book contains experience and intellectual property that has never before been released, It is jointly authored by 2 companies, PAS and User Centered Design Services (UCDS), who have decades of experience in process control, HMI design, and human factors. The book reveals many poor yet common HMI practices, provides the justification for change, and shows in great detail the best way to design and implement a truly High Performance HMI. It contains over 90 color illustrations, plus many relevant real world examples, anecdotes, and surprises. This is not your usual boring engineering text!

The HMI principles covered in this book apply to petrochemical, refining, power generation, pharmaceutical, and other industries where operators use modern control systems with computer-based control displays. Whether you are a project engineer designing or improving a control system or a manager looking to improve process safety, productivity, and profitability, you will find tremendous value in The High Performance HMI Handbook.

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