

Human Machine Interface PLUS

High Performance HMI & Alarm Management

Due to the increased demands on quality, quantity, environmental protection and economic efficiency, the level of automation for industrial production processes is increasing. This has led to a reduction in control room personnel and, at the same time, a strong increase in the process information to be monitored per operator.

In addition, this complexity is amplified by a heterogeneous working environment of different automation equipment and software products for process monitoring.

It is exactly at this point that the innovative HMI+ approach starts with its visualization concept. The distance between plant operators and production process is bridged using an intuitively perceptible visualization of the current process situation.

Important process parameters for monitoring are represented by a combination of digital and analog displays, so-called hybrid display instruments. These hybrid displays and embedded trends support the operator in performing his routine duties as well as with fast and safe interventions in critical situations.

Using our systematic approach, we are able to develop a plant-specific configuration to your specific requirements for process operation. With the HMI+ solution, the knowhow of your plant operator can also be included in new plant control room design.

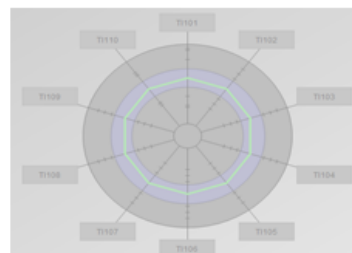
By the use of user-oriented visualization concepts in HMI+ solutions, it is possible to typically increase productivity by 5 to 12 % (ASM Consortium 2009).

Project examples

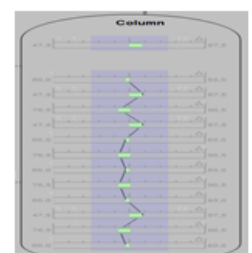
- Information oriented process displays for SIMATIC PCS 7 in nearly every industry
- Overview and Start-up display
- Alarmmanagement in fine and specialty chemicals production



Trend display with bar graph supports decision-making



Kiviagraph display used for KPI indication supports pattern recognition



Profile display showing the T-profile of distillation column

Interested? Contact us!

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Your benefit

- Ensuring system availability
- Quality assurance
- Reduction of the susceptibility to breakdowns
- Efficient and safe operation
- Support for start-up, load and product change procedures
- Shorter training times
- Merging of control rooms

Our service offer

- Evaluation of plant operating consoles
- Evaluation and prioritization of alarms
- Optimization of the operator interface
- Migration of user interfaces
- Consulting, engineering and implementation in SIMATIC PCS 7
- HMI+ installation
- Training