

Process Automation System

The Process Automation System is designed to improve quality, consistency and productivity.



Capacity increase
Cost savings
Product quality
Availability
Environment

SIGMA SERVICE AB

All over the world the market for panelboard industries is becoming more and more competitive. There is demand for manufacturing operations that will reduce costs while improving quality, and all without any negative impact on the environment. The implementation of our Process Automation System will be a powerful tool in achieving this.

It will involve installation and replacement of field instruments, valves and motors etc. as well as the installation of a computer-based control and monitoring system. The work starts with a plant audit to evaluate control and instrumentation requirements in order to develop a method of operation and control philosophy.

The target is to achieve the most feasible process automation system based on our experience with systems currently available in the process control market. The result will be a production unit that will be able to meet future demands thanks to the following advantages:

Increased Productivity: The system constantly monitors the process and fine-tunes its operation for increased throughput and accuracy. It also provides you with powerful functions for production statistics that can assist in improving plant capacity. Your operators are left free to perform other tasks.

Recipe Handling: Various recipe designs can be set up and stored. A security system will ensure that mix designs can be viewed, but not modified by unauthorized operators.

Improved Product Quality: The consistency achieved with automated process control will ensure constant operating conditions, thus improving quality consistency.

Flexibility: Modifications, upgrades and addition of functions are easily implemented using state-of-the-art software tools.

Automatic Alert: Process parameters are monitored to alert the operator to any abnormal conditions.

Safety: If the system detects any hazardous conditions in the system, it will stop the process before any injury occurs.

Maintenance: The system can incorporate functions for preventive maintenance of plant equipment.



mailbox@sigma-mecer.com
www.sigma-gruppen.com