



EMBICON

EMBICON SCADA

Heat Treatment Monitoring & Data Logging

Real-Time Control.
Reliable Records.



What It Does

This SCADA system supervises and controls heat treatment furnaces, providing real-time temperature monitoring, alarm handling, and automated data logging. It ensures each batch meets the required thermal cycle for metallurgical consistency.

Why Use It

- Zero human error in heat cycle execution
- Easy reporting for QA & customer audits
- Immediate alerts for temperature deviations
- Integrates with existing PLC hardware

Where It Fits

Integrated with heat treatment furnaces, this SCADA system controls temperature ramp-up, soaking, and cooling, while maintaining logs of every batch and operator interaction.

Key Features

- Real-time temperature and process trend display
- Automated recipe management and cycle control
- Historical data logging (PDF, CSV, SQL)
- Alarm notification and interlock logic
- Operator audit trail and password protection
- Easy for audit process and getting standard process certification

Result

- Reduced rejection due to heat distortion or under/overheating
- Digitized reporting saves time in quality audits
- Live dashboards enable proactive maintenance