

# Industrial Process Control and Management System

This system provides comprehensive process monitoring and control through multiple display monitors. It features operator interfaces, control panels, and real-time data visualization for efficient management of industrial processes.



## ADDITIONAL IMAGES



## System Overview

### Intelligent Galvanizing Process Management

This advanced industrial process control and management system is specifically engineered for hot-dip galvanizing production lines. It integrates high-performance PLC control systems with industry-grade wireless communication networks to ensure seamless data operation and efficient RGV automatic logistics. By leveraging big data and cloud platform integration, the system transforms galvanizing plants into transparent, green, and highly optimized operational environments.

## Core Technology

Controller Architecture	Siemens 1200 PLC, Siemens 1500 PLC, Industrial Automation
Communication Network	SCALANCE W Industry WIFI

## Operational Capabilities

### Key Performance Metrics

<b>439.1 °C</b> Zinc Bath Temperature	<b>62.7 °C</b> Flux Solution Temperature	<b>53.4 °C</b> Cooling Pool Temperature
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### Monitoring & Control Features

- RGV (Rail Guided Vehicle) Operations
- Real-time Production Line Layout Visualization
- Automated Process Control
- Distance Measurement
- Speed Control

## System Interface

### Interface Capabilities

Feature	Description
Data Visualization	Real-time dashboards for production status
Hardware Integration	Multiple display monitors and control consoles
Manual Override	Physical buttons and switches for manual adjustments