# - QIMULUS MORE THAN JUST SCADA

AI FOR SURFACE TREATMENT

**EXPLORE THE NEXT GEN >** 



### **SCADA-COMPARABLE FEATURES**

PRODUCTION LOGS

Access all loads and processes from detailed views of single processes to multiple process comparisons with Chart Recorder.



#### MAINTENANCE CALENDAR

Plan, manage, and track maintenance tasks with calendar scheduling, job grouping, and detailed reporting.



#### **ERP INTEGRATION**

Integrate with your ERP system for streamlined data flow, enhanced efficiency, and maximized operational productivity.



#### LOAD PLANNING

Streamline planning and optimize throughput, including prioritization, with integrated order management for efficient shop order handling.



#### RECIPE BUILDER

Create, edit, and manage recipes for Nitrex nitriding furnaces and Protherm or other brand controllers, ensuring precise treatment control.



#### **MATERIALS**

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Calculate heat treatment parameters from steel grades, with predefined or customizable materials for flexible options.



#### **PARTS**

Manage part properties, attributes, and treatment data for efficient part handling and treatment process management.



Use insights and statistics derived from quality data to enhance quality, efficiency, productivity, and overall process performance.



#### LIVE APP

View furnace status, running recipes, active alarms, and job charts in real-time.



#### **SHOP LAYOUT**

Visualize heat treatment operations, detailing zones, asset arrangements, and providing real-time updates on charge cars.



#### **REMOTE CONTROL**

Mirror asset controller interface, enabling job management, recipe adjustments, and real-time monitoring functionalities.

**RTU & PLC** 

**CONTROLLERS - PROTHERM** 

**SENSOR & ACTUATOR PROBES - NITROCAB** 

**ANALYZERS - H2SMART** 

**BEYOND SCADA >** 



## **BEYOND SCADA - THE COMPLETE SUITE**

#### **ASSET MANAGEMENT**

Gain a comprehensive overview of all company assets, with centrally stored asset files for easy access.



#### **PRODUCTION STATISTICS**

Gain insights and ratings for individual processes, with convenient multi-process comparisons.

#### **SIMULATORS**

Design and optimize recipes to expedite the development of carburizing, nitriding, and nitrocarburizing processes.



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#### **QUALITY CERTIFICATE**

Audit process values, manage quality results, validate compliance with specifications, and automatically create certificates and reports.

## SELF-SERVICE DASHBOARDS

Design personalized dashboards and generate insightful reports for enhanced data visualization.



#### **ALARM STATISTICS**

Track and analyze alarms within a specified period for comprehensive statistical insights.

# **ANOMALY DETECTION**

Identify patterns, irregularities, and pinpoint deviations from desired results.



# ST PR

# STATISTICAL PROCESS CONTROL

Examine quality results and adjust production parameters based on quality statistics to optimize and harmonize production.

#### PERFORMANCE DASHBOARD

Access insights into consumables and other plant and asset performance indicators.



#### HISTORY & TRENDS

Explore aggregated, derived, and calculated load values for every operation on the selected asset.

#### **ML PROTOTYPING**

Develop enhanced models to replace real-world, physical testing in production environments.