

# FacilityPro<sup>®</sup> SCADA NG

Data Management, Reporting, and Automation



## Viable/Nonviable/Environmental Monitoring

FacilityPro<sup>®</sup> software provides the interface, supervisory control, data management, and reporting functionality for an environmental monitoring system. FacilityPro's ability to manage viable, nonviable, and environmental data through a common system improves the efficiency of production operations and quality investigations.

## Industrial Automation Architecture

With the FacilityPro industrial automation architecture, the data processing is performed by the Processor while the data management, display, and storage are performed by the software. This design approach increases system reliability and data integrity.

The software platform offers a number of intelligent features including data mapping, alarming, reporting, and recipe-driven sampling. Both also offer client software for remote access and viewing of data.

SCADA NG is built on the GE<sup>®</sup> Proficy<sup>®</sup> iFIX<sup>®</sup> SCADA NG platform and Historian database and provides several additional advanced features.

## BENEFITS

- Designed specifically for pharmaceutical environmental monitoring
- Integration and control of viable and non-viable sampling
- High data integrity
- Ultimate efficiency and reduced error
- Simple installation and validation
- Flexible integration

## FEATURES

- Map for visual indication of viable, nonviable, and environmental status
- Configurable display
- Alarm notification and e-signature acknowledgement
- Configurable reports including audit, statistics, and trend reports
- Batch identifiers and data filters
- Automation of sample collection, driven by recipes
- Cubic-meter algorithms for nonviable data
- Volume-based or time-based viable sampling
- Remote data viewing and reporting

## APPLICATIONS

Monitoring of critical environments including:

- Filling lines
- Isolators and RABS
- Blow-Fill-Seal
- Lyophilizer processes and transfer carts
- Biosafety cabinets and flow hoods
- General cleanroom and facility monitoring



*Without measurement there is no control*

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## FacilityPro SCADA NG Server Software

The FacilityPro SCADA NG Server software is built on GE's Proficy iFIX SCADA NG platform and Historian database. The SCADA NG Server software supports the following features:

- Map for visual indication of viable, nonviable, and environmental status
- Configurable display
- Alarm notification and e-signature acknowledgement
- Configurable reports including audit, statistics, and trend reports
- Real-time trending of data
- Batch identifiers and data filters
- Automation of sample collection, driven by recipes
- Cubic-meter algorithms for nonviable data
- Volume-based or time-based viable sampling
- Client software for remote viewing and reporting
- 12 interface languages supported
  - Redundant server capability
  - Supports multiple FacilityPro Processors
  - Supports third-party PLC integration
  - Supports SMS and Email-sending software package
  - Supports FacilityPro terminal services, providing remote access to the Server through a web browser or tablet app
  - iOS (iPad<sup>®</sup>) and Android<sup>™</sup> app (works in conjunction with terminal services)

## Hardware Specifications

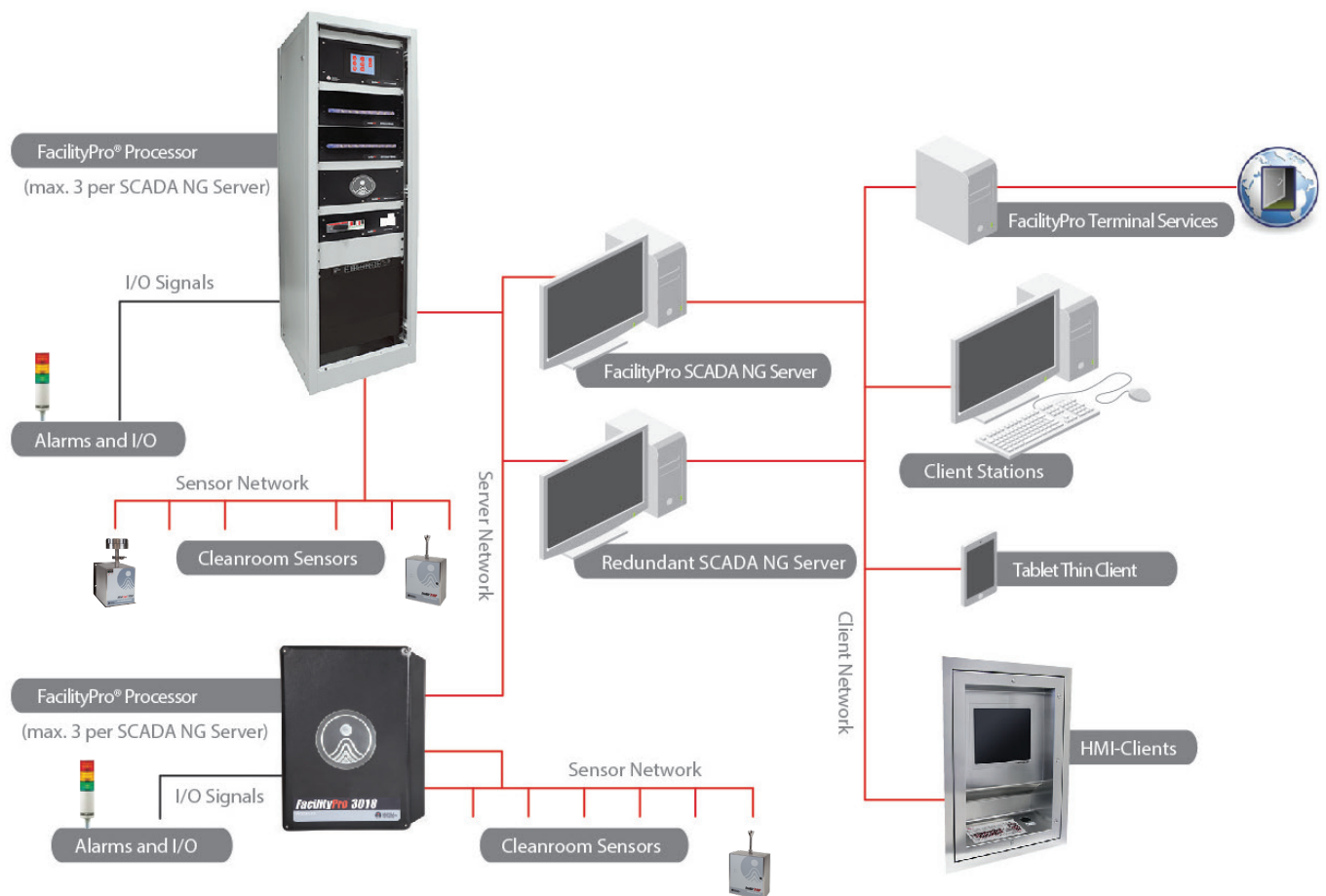
<b>DISPLAY RESOLUTION</b>	Minimum 1920 x 1080
<b>PROCESSOR</b>	Intel <sup>®</sup> Core Processor i5-8500 3.0 GHz 6 Core
<b>OPERATING SYSTEM</b>	Windows <sup>®</sup> Server 2016 Standard 64 bit
<b>OPERATING SYSTEM (CLIENT)</b>	Windows 10 64 bit
<b>IFIX RUNTIME</b>	Version 5.9
<b>DATABASE HISTORIAN</b>	Version 7.0



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## Example SCADA System Architecture



The FacilityPro<sup>®</sup> processor provides the central hub for an environmental monitoring system. The processor communicates with cleanroom sensors, including particle and microbial monitors, while buffering data and checking tolerances for alarm activation.



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## Feature Comparison

	FacilityPro SMART NG Server	FacilityPro SCADA NG Server
Viable / nonviable / environmental integration	Y	Y
21 CFR Part 11 compliant	Y	Y
Facility map for data and status visualization	Y	Y
Configurable display	Y	Y
Alarm notification and e-signatures	Y	Y
Configurable reports including audit, statistics, and trend reports	Y	Y
Batch identifiers and data filters	Y	Y
Automated sample collection, recipe-driven	Y	Y
Cubic meter algorithms for nonviable data	Y	Y
Volume-based or time-based viable sampling	Y	Y
Client software for remote viewing and reports	Y (2 or 5)	Y (25 max)
Maximum number of FacilityPro Processors	2	3
Built on GE Proficy iFIX SCADA and Historian DB	-	Y
Redundant servers	-	Y
Third-party PLC support	-	Y
Email software support	-	Y
FacilityPro Terminal Services support	-	Y
iOS (iPad <sup>®</sup> ) and Android <sup>™</sup> app (works in conjunction with terminal services)	-	Y
Language support	English, Spanish, German, French, Italian, Portuguese, Swedish, Russian, Chinese (simplified and traditional), Korean, Japanese	

- : not supported    y : supported

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