

# FacilityPro<sup>®</sup> Software

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.

## Two Main Versions

FacilityPro software is available in two main versions:

- FacilityPro SCADA NG Server software
- FacilityPro SMART NG Server module

Both software platforms offer 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. The SCADA NG version 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*

# FacilityPro<sup>®</sup> Software

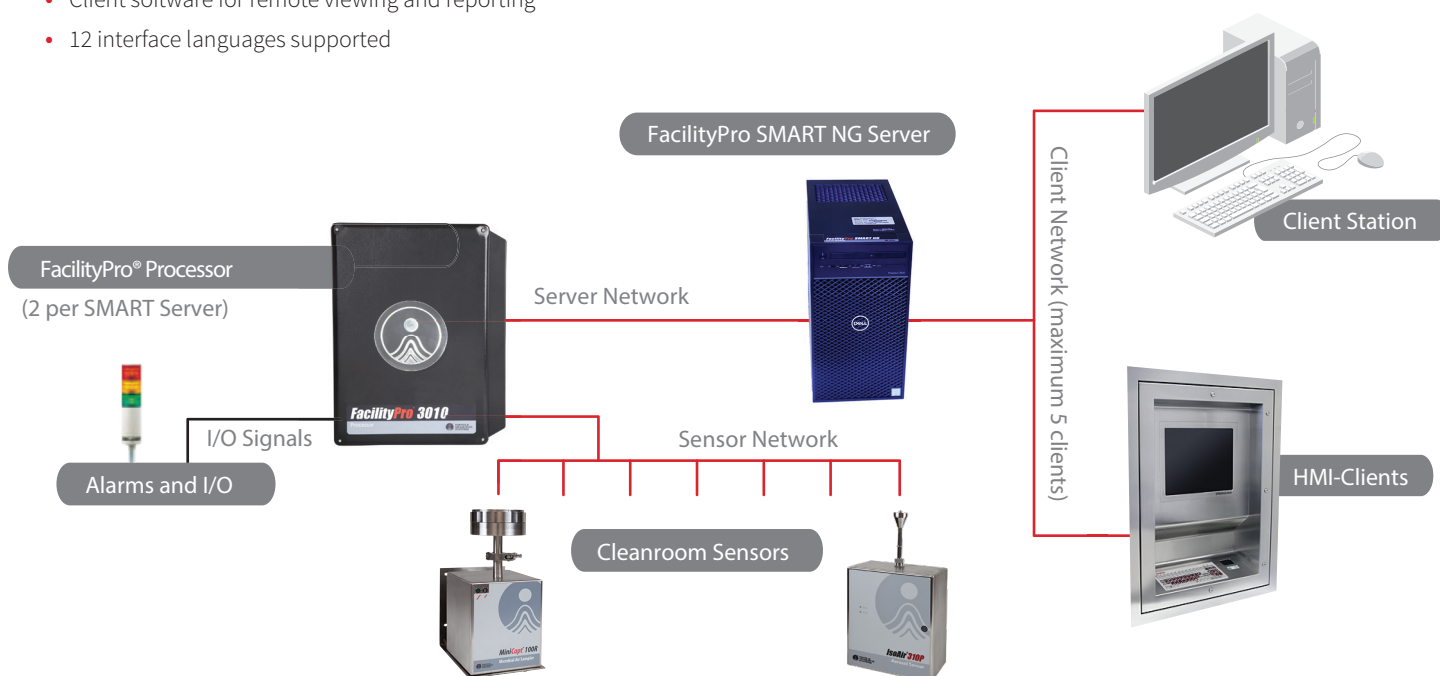
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## FacilityPro SMART NG Monitoring Software and Server Module

The FacilityPro SMART NG Server is a stand-alone module that interfaces with one FacilityPro Processor per SMART NG module and provides a simple monitoring and reporting software tool. By distributing the data processing to the FacilityPro Processor, the FacilityPro SMART NG system delivers high reliability and data integrity.

FacilityPro SMART NG is 21 CFR Part 11 compliant and provides the user with a number of tools to improve efficiency and reduce error:

- 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



## Hardware Specifications

<b>DISPLAY RESOLUTION</b>	Minimum 1920 x 1080
<b>PROCESSOR</b>	Intel® Core Processor i5-7500 3.40 GHz 4 Core
<b>OPERATING SYSTEM</b>	Windows® Server 2016 Standard 64 bit
<b>OPERATING SYSTEM (CLIENT)</b>	Windows 10 64 bit

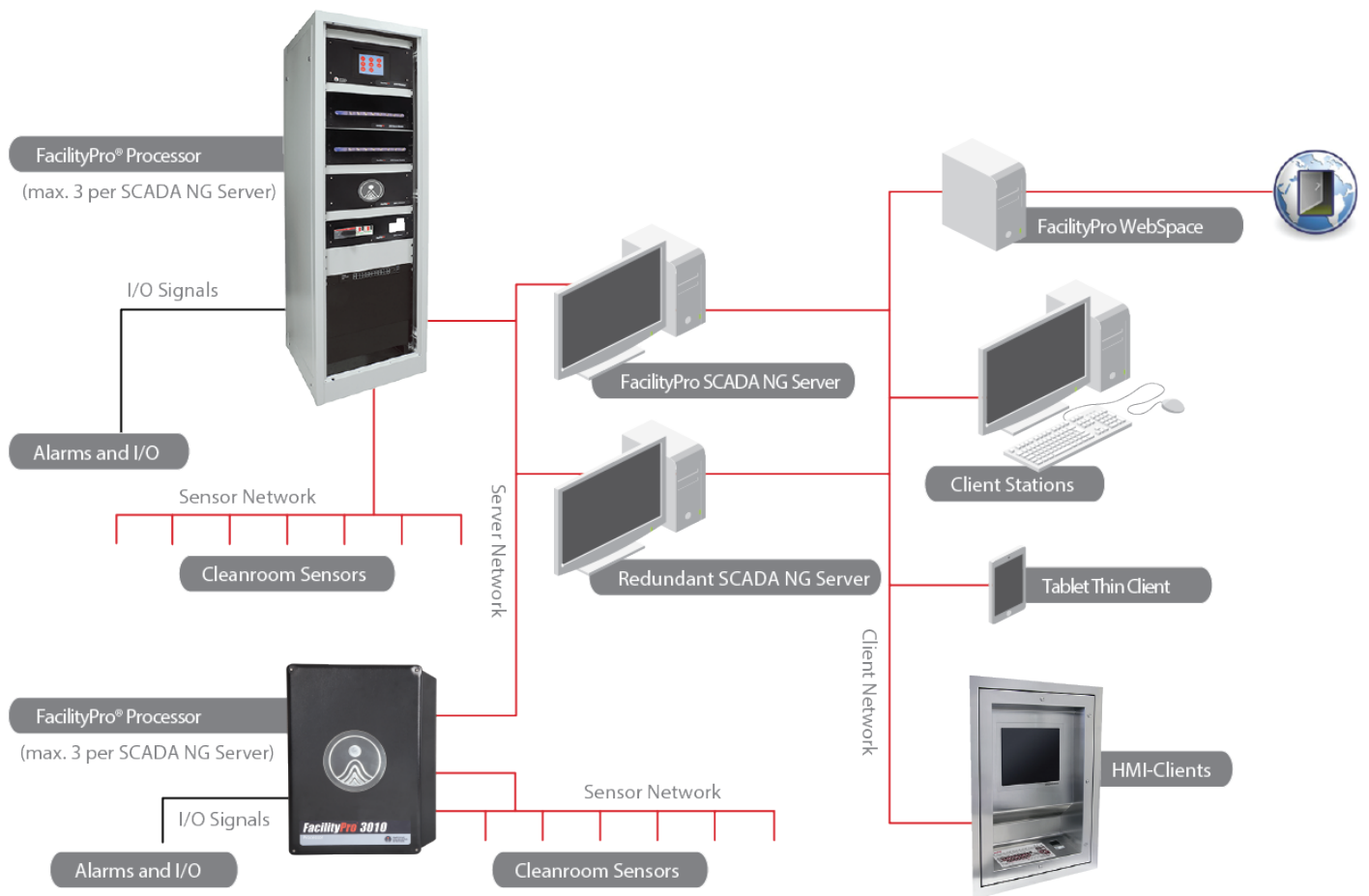
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## FacilityPro SCADA NG Server Software

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 all the same features as the SMART NG Server, with the addition of the following advanced features:

- Redundant server capability
- Supports multiple FacilityPro Processors
- Supports third-party PLC integration
- Supports SMS and Email-sending software package
- Supports FacilityPro WebSpace software, 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 WebSpace)



## 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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## Feature Comparison

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

- : not supported    y : supported

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