

FacilityPro® Software

Data Management, Reporting, and Automation



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

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

Viable/Nonviable/Environmental Monitoring

FacilityPro® 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® Proficy® iFIX® SCADA NG platform and Historian database and provides several additional advanced features.



Without measurement there is no control

FacilityPro[®] Software

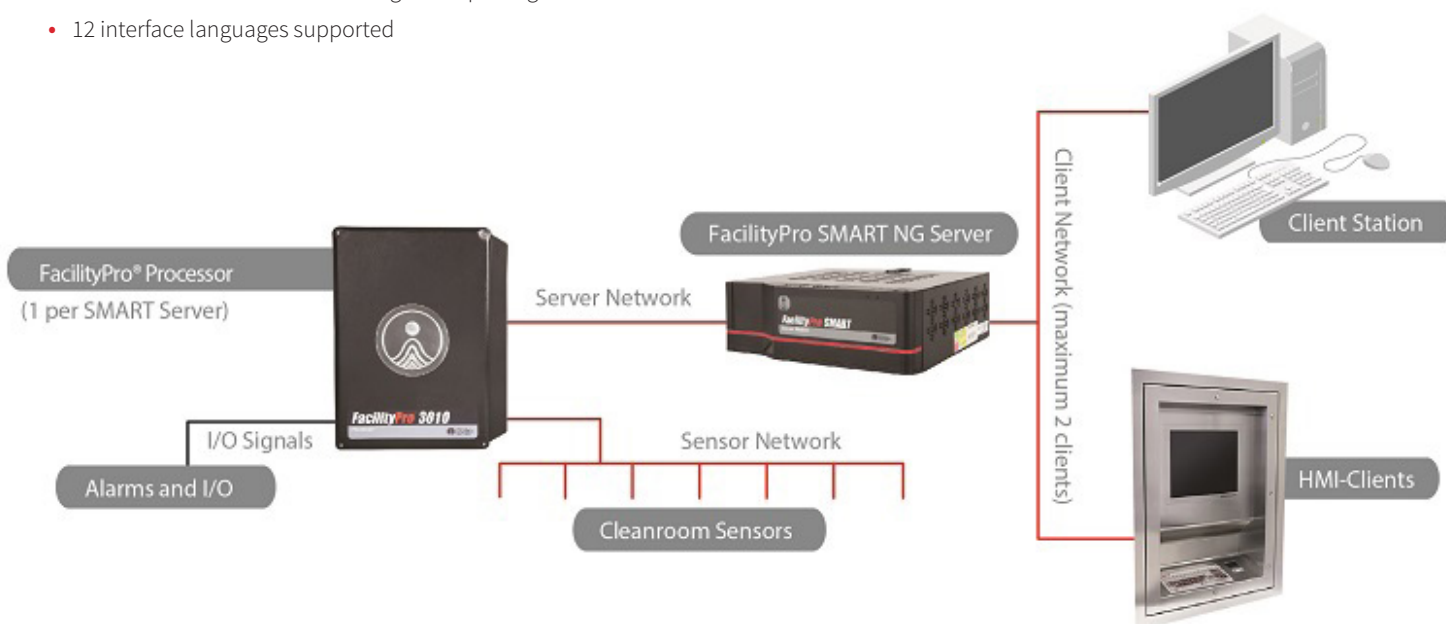
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FacilityPro SMART NG Server Module

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 tool. By distributing the data processing to the FacilityPro Processor, the FacilityPro SMART NG server delivers high reliability and data integrity.

The FacilityPro SMART NG server 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
- 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



Specifications

Display resolution	1280 x 1024 minimum
Minimum requirement client	CPU i5 3 GHz, RAM 8 GB, HD 500.0 GB, 2 Ethernet, 1 DVD/RW, 4 USB Ports
Operating system clients	Windows [®] 7 Ultimate - 64bit

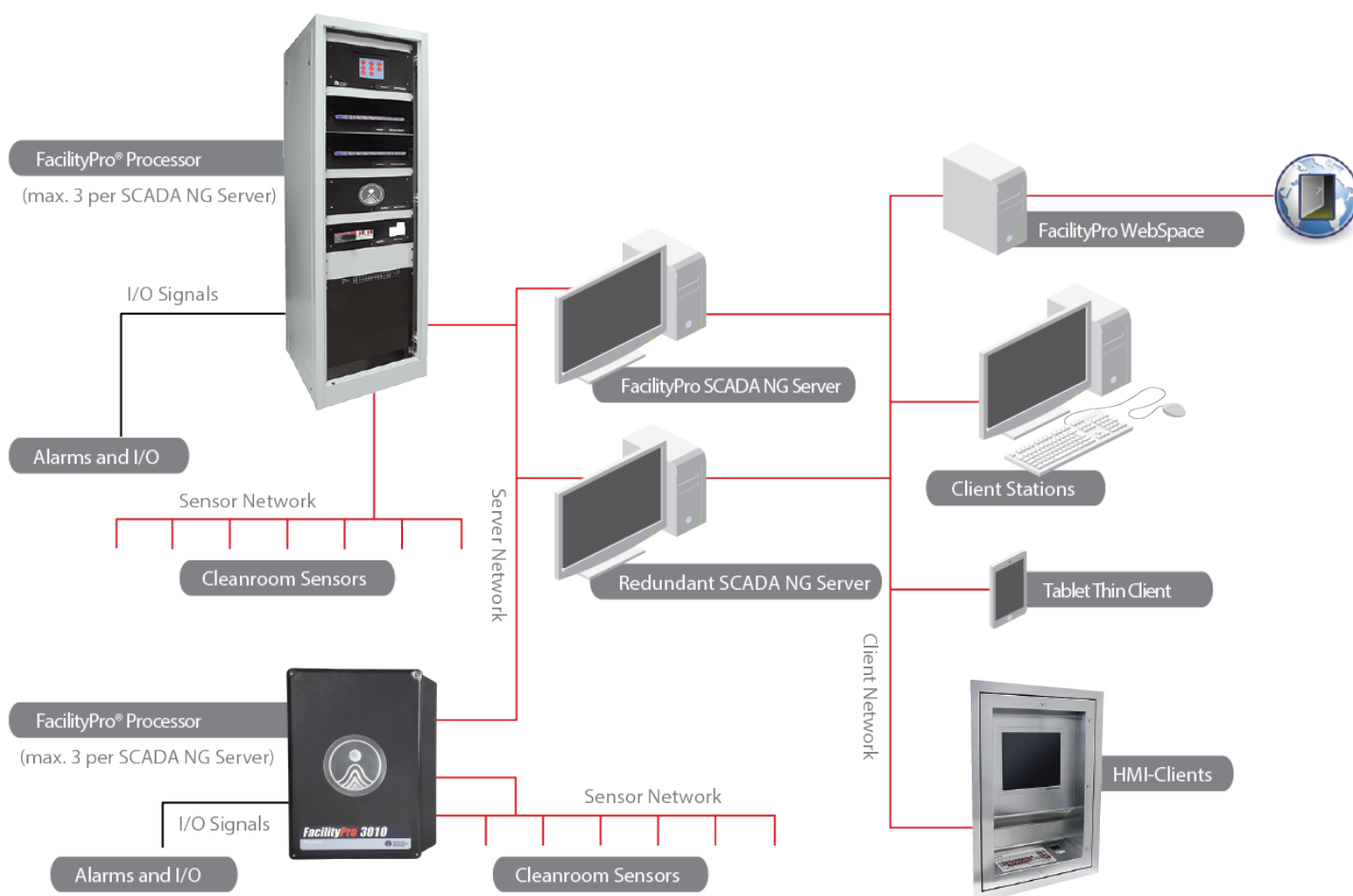
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FacilityPro SCADA NG Server Software

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[®]) and Android[™] app (works in conjunction with WebSpace)



Specifications

Minimum requirement client	CPU i5 3 GHz, RAM 8 GB, HD 500.0 GB, 3 Ethernet, 1 DVER/RW, 4 USB Ports
Operating Systems	Windows 7 Professional – 64bit – English or Operative System, Windows Server Essentials – 2012 R2 – 64bit – English

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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 max)	Y
Maximum number of FacilityPro Processors	1	3
Built on GE Proficy iFIX SCADA and Historian DB	-	Y
Redundant servers	-	Y
Third-party PLC support	-	Y
Email software support	-	Y
FacilityPro Webspaces support	-	Y
iOS (iPad®) and Android™ app (works in conjunction with Webspaces)	-	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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