

FacilityPro[®] Software

Data Management, Reporting, and Automation

Without measurement there is no control.



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 Server software
- FacilityPro SMART 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 version is built on the GE[®] Proficy[®] iFIX[®] SCADA 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

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



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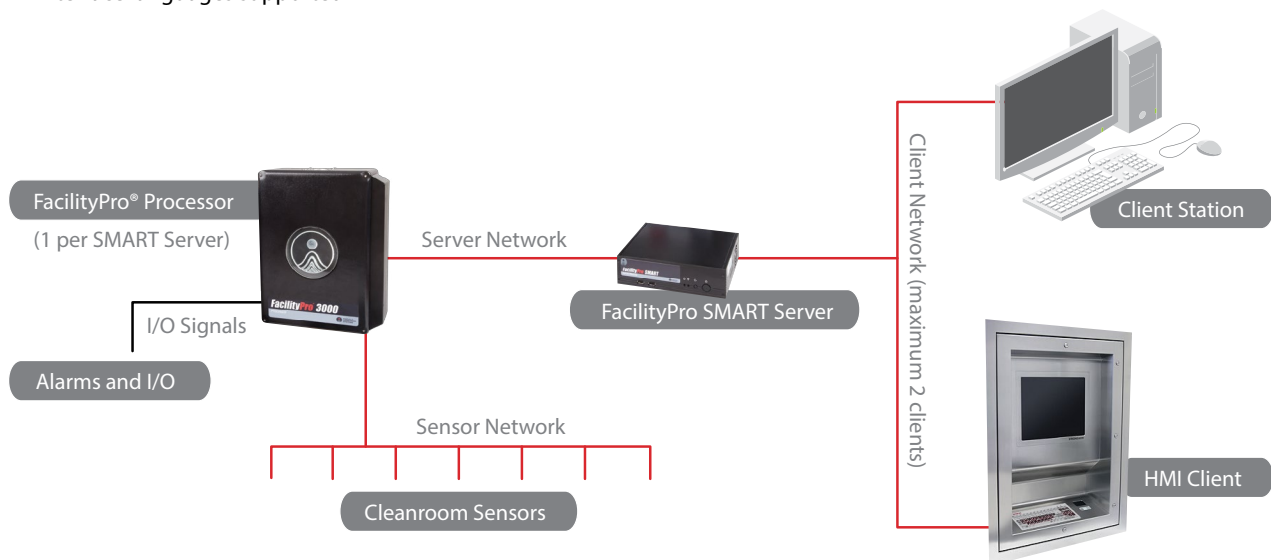
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FacilityPro SMART Server Module

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

The FacilityPro SMART server is 21 CFR 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 Core2-Duo 2.00 GHz, RAM 4 GB, 250 GB HD, 2 Ethernet port, USB port
Operating system clients	Windows 7 Pro – 32/64bit – English

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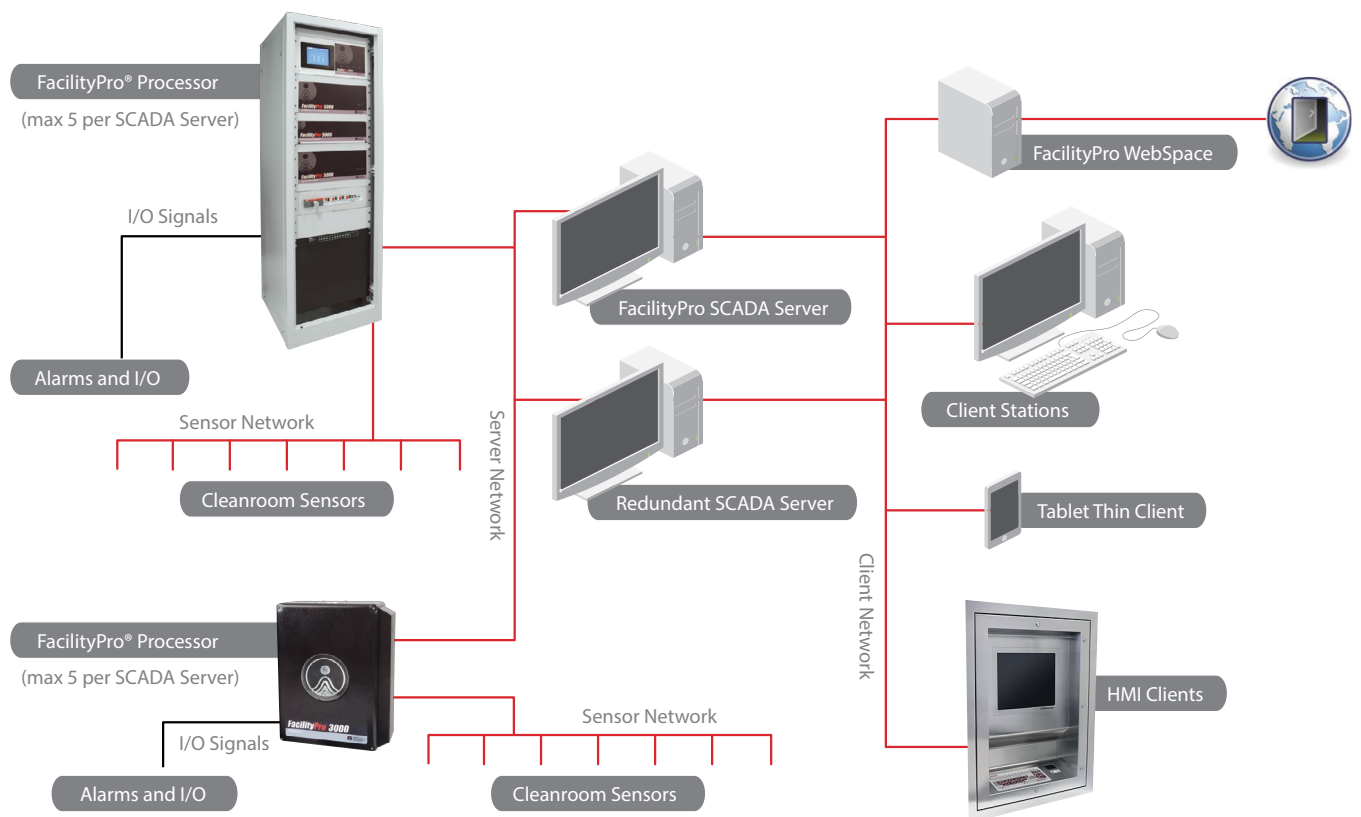
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FacilityPro SCADA Server Software

The FacilityPro SCADA Server software is built on GE's Proficy iFIX SCADA platform and Historian database. The SCADA Server software supports all the same features as the SMART 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 Core2-Duo 2.00 GHz, RAM 4 GB (> 4 GB recommended), 250 GB HD, 2 Ethernet port, USB port
Operating Systems	Windows [®] 7 Professional – 32/64bit – English, Windows 2008 Server – 32/64bit – English

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Feature Comparison

	FacilityPro SMART Server	FacilityPro SCADA Server
Viable / nonviable / environmental integration	X	X
21 CFR Part 11 compliant	X	X
Facility map for data and status visualization	X	X
Configurable display	X	X
Alarm notification and e-signatures	X	X
Configurable reports including audit, statistics, and trend reports	X	X
Batch identifiers and data filters	X	X
Automated sample collection, recipe-driven	X	X
Cubic meter algorithms for nonviable data	X	X
Volume-based or time-based viable sampling	X	X
Client software for remote viewing and reports	X (2 max)	X
Maximum number of FacilityPro Processors	1	5
Built on GE Proficy iFIX SCADA and Historian DB		X
Redundant servers		X
Third-party PLC support		X
Email software support		X
FacilityPro Webspaces support		X
iOS (iPad®) and Android™ app (works in conjunction with Webspaces)		X
Language support	English, Spanish, German, French, Italian, Portuguese, Swedish, Russian, Chinese (simplified and traditional), Korean, Japanese	

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Particle Measuring Systems, Inc. reserves the right to change specifications without notice.

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