

Foreseer Electrical Power Monitoring Software (EPMS)



Product snapshot

Foreseer® is a highly customizable **web based** software platform that has been in production for over 25 years and used by many customers worldwide to monitor, trend, analyze, predict, and store data.

Foreseer supports monitoring of systems such as:

Power	Electrical distribution equipment (SWGR, SWDB, panels) power meters, branch circuit monitors, trip units, protective relays, UPS, generators, PDU, RPP, CRP, ATS, STS, VFD, and PLC.
Environmental	HVAC, chillers, pumps, condensers, temp/humidity, flow, and chilled water.
Systems and Sub-systems	BAS, leak detection, fuel management, battery monitoring, security, fire suppression, weather monitoring, and photovoltaic systems.
WAGES	Water, Air, Gas, Electric, and Steam

Product overview

Foreseer open communications 64 bit architecture supports:

- Polling and logging all integrated systems, devices, and parameters up to once per second
- Vendor-neutral software with an extensive library of device drivers available
- ModbusTCP or RTU, BACnet IP, OPC, LON, SNMP, proprietary protocols and others upon request
- Each server can support up to 3,000 devices or 500,000 channels
- Dashboard, device, single line, and floor plan webviews
- Email alarm notifications and standard reports

Support available for:

- Dynamic one-line diagrams
- True redundancy or high availability
- Full graphics editing with web editors software
- Power Xpert® reporting package
- Manager of Manager (MOM) for expansion beyond 3,000 devices and 500,000 channels
- Data Acquisition Engine (DAE)
- Sequence of events recorder with 1msec precision
- Onsite or offsite instructor lead training
- Customizable customer care agreements for software, hardware, or onsite engineering
- Engineering, hardware, project management, driver development, custom graphics development, system architecture and contractor drawing packages, and turnkey installation



Powering Business Worldwide

Minimum hardware requirements

To run Foreseer, a server class machine with a minimum of a dual-core Xeon processor and 16 GB of RAM.

Supported operating systems

Windows server operating systems	Web client	Server and message manager
Windows Server 2008 R2 Std, SP1	(32 bit IE)	X
Windows Server 2008 R2 Ent SP1	(32 bit IE)	X
Windows Server 2012 Std	(32 bit IE)	X
Windows Server 2012 Datacenter	(32 bit IE)	X
Windows Server 2012 R2 Std	(32 bit IE)	X
Windows Server 2012 R2 Datacenter	(32 bit IE)	X

Windows desktop operating systems	Web client	Message manager	Power Xpert bridge
Windows 7 Pro 32 bit, SP1	X		
Windows 7 Ult/Ent 32 bit, SP1	X		
Windows 7 Pro 64 bit, SP1	(32 bit IE)	X	
Windows 7 Ult/Ent 64 bit, SP1	(32 bit IE)	X	
Windows 8 Professional, x86	X		
Windows 8 Enterprise, x86	X		
Windows 8 Professional, x64	(32 bit IE)	X	
Windows 8 Enterprise, x64	(32 bit IE)	X	
Windows 8.1 Professional, x64	(32 bit IE)	X	X
Windows 8.1 Enterprise, x64	(32 bit IE)	X	X

Supported database platforms

SQL server Express included, others provided by customer

- SQL Server 2008 R2 Express SP2
- SQL Server 2008 R2 Express w/Advanced Services SP2
- SQL Server 2008 R2 Std SP2
- SQL Server 2008 R2 Std for Small Business SP2
- SQL Server 2008 R2 Ent SP2
- SQL Server 2012 Express w/Advanced Services
- SQL Server 2012 Std
- SQL Server 2012 Ent
- SQL Server 2012 Ent Core
- SQL Server 2012 Business Intelligence
- SQL Server 2012 SP2
- SQL Server 2014 Express, Std, Ent, Business Intelligence

Supported browsers

- IE10 (non-Metro version)
- IE11

Protocols supported

- ModbusTCP or RTU
- BACnet IP
- SNMP
- OPC
- LON
- INCOM via Power Xpert Gateway
- Proprietary
- Others by request

Supported interfaces to Building Automation System (BAS), Building Management System (BAS), Data Center Infrastructure Management (DCIM), and other integrated systems

- OPC gateway
- ModbusTCP gateway
- BACnet gateway
- SNMP gateway

Technical support

Customer Success Team—Software and EPMS

Telephone: 1.800.356.3292

Email: CST@eaton.com

Eaton
 1000 Eaton Boulevard
 Cleveland, OH 44122
 United States
 Eaton.com

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