

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
- 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, you'll need a server class machine with a minimum of two quad-core processors, 16GB of RAM, and 100GB of free drive space.

Supported operating systems

Windows server operating systems	Server and message manager
Windows Server 2012 R2 Std	X
Windows Server 2012 R2 Datacenter	X
Windows Server 2016	X

Windows desktop operating systems	Message manager	Power Xpert bridge
Windows 10 Professional, x64	X	X
Windows 10 Enterprise, x64	X	X

Supported database platforms

SQL server Express included, others provided by customer

- 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
- SQL Server 2016 Express, Std, Ent, Business intelligence

Supported browsers

- | | |
|--|--|
| WebViews, WebAdmin | WebConfig |
| <ul style="list-style-type: none"> • IE11 • Chrome • Edge • Safari (macOS,iOS) | <ul style="list-style-type: none"> • 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

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