

# 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:

<b>Power</b>	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.
<b>Environmental</b>	HVAC, chillers, pumps, condensers, temp/humidity, flow, and chilled water.
<b>Systems and Sub-systems</b>	BAS, leak detection, fuel management, battery monitoring, security, fire suppression, weather monitoring, and photovoltaic systems.
<b>WAGES</b>	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)	<b>X</b>
Windows Server 2008 R2 Ent SP1	(32 bit IE)	<b>X</b>
Windows Server 2012 Std	(32 bit IE)	<b>X</b>
Windows Server 2012 Datacenter	(32 bit IE)	<b>X</b>
Windows Server 2012 R2 Std	(32 bit IE)	<b>X</b>
Windows Server 2012 R2 Datacenter	(32 bit IE)	<b>X</b>

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

### 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

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