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
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

<table>
<thead>
<tr>
<th>Windows server operating systems</th>
<th>Server and message manager</th>
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<tbody>
<tr>
<td>Windows Server 2012 R2 Std</td>
<td>X</td>
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<tr>
<td>Windows Server 2012 R2 Datacenter</td>
<td>X</td>
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<tr>
<td>Windows Server 2016</td>
<td>X</td>
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<table>
<thead>
<tr>
<th>Windows desktop operating systems</th>
<th>Message manager</th>
<th>Power Xpert bridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows 10 Professional, x64</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Windows 10 Enterprise, x64</td>
<td>X</td>
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</tbody>
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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
- IE11
- Chrome
- Edge
- Safari (macOS,iOS)

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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