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 5,000 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 editor's software
- Manager of Manager (MOM) for expansion beyond 5,000 devices and 500,000 channels
- Data Acquisition Engine (DAE)
- Sequence of events recorder with 1msec precision
- Onsite or offsite instructor led 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

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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. To run Foreseer with the Foreseer Cloud Agent or Foreseer Reporting Service (FRS) on the same machine a minimum of 32GB of RAM is recommended.

Supported operating systems

Windows Server operating systems	Server and Message Manager	Cloud Agent
Windows Server 2012 R2 Std	X	
Windows Server 2012 R2 Datacenter	X	
Windows Server 2016	X	
Windows Server 2019	X	X

Windows Desktop operating systems	Message Manager	Outpost	Cloud Agent
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, Standard, Enterprise, Enterprise Core, SP2
- SQL Server 2014 Express w/ Advanced Services, Standard, Enterprise
- SQL Server 2016 Express w/ Advanced Services, Standard, Enterprise
- SQL Server 2017 Express w/ Advanced Services, Standard, Enterprise
- SQL Server 2019 Express w/ Advanced Services, Standard, Enterprise

Supported browsers

WebViews

- Safari – 14.0 (15610.1.28.1.9, 15610)
- iOS minimum requirement – iPad platforms with iOS 12.3.1
- Chrome – 97.0.4692.71
- Edge – 97.0.1072.55

WebConfig / WebAdmin

- Safari – 14.0 (15610.1.28.1.9, 15610)
- Chrome – 97.0.4692.71
- Edge – 97.0.1072.55

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 (BMS), 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: 1.800.498.2678 ext. 2
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