

Wonderware Industry Application for Facilities Management

The Wonderware Industry Application for Facilities Management provides a common SCADA system for facilities management solutions, able to collect and process building automation information from large distributed campuses or many buildings under central supervision. The Wonderware Industry Application for Facilities Management is able to manage heterogeneous building automation system environments by supporting open industry communications standards such as BACnet,[®] i.LON,[®] Modbus and OPC.

The capability to scale a distributed SCADA solution from a few hundred to over one million I/O enables collection of centralized and decentralized facilities-related data for supervision of multiple buildings or sites. The Wonderware Industry Application for Facilities Management helps reduce costs by standardizing control, alarm and event monitoring functions for multiple sites into centralized control rooms.

The Wonderware Industry Application for Facilities Management helps:

- Reduce cost of implementation with the use of standard libraries and connectivity
- Lower project cost through open, competitive choice for products, services and maintenance; leveraging the largest global network of independent System Integrators
- Enable quick configuration of BACnet systems through an Application Generator
- Reduce risk by the use of scalable application capabilities, which allow the addition of buildings and facilities to the system with an easy step-by-step process
- Lower cost of ownership by deployment of a SCADA solution with centralized engineering and administration capabilities
- Enable easier connectivity and integration by accessing the broadest range of protocols and devices
- Reduce risk with an industry proven and robust, secure architecture
- Achieve environmental sustainability through compliance with industry, regulatory and green initiatives

Industry-Specific Solutions

Components available in the Wonderware Industry Application for Facilities Management include a library of graphic objects designed specifically for facilities management with animation and standard faceplates, a template library of object device drivers, and communications objects for BACnet and i.LON SmartServer, and an optional Application Generator for BACnet systems.

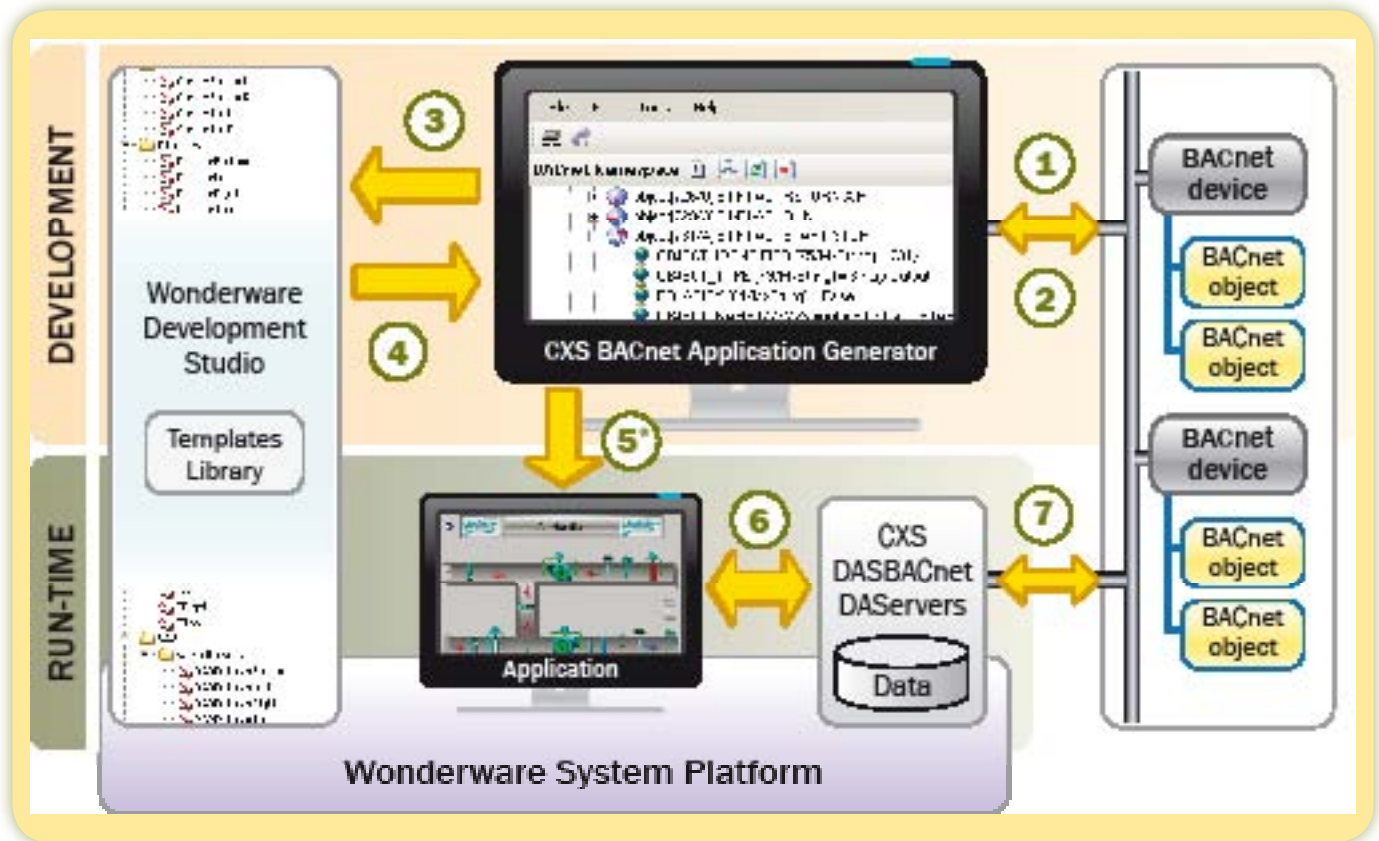


Software Solutions for Real-Time SuccessSM



Automated Generation of BACnet Supervisory Applications

For BACnet implementations, Wonderware Industry Application for Facilities Management provides connectivity and automated application assembly of BACnet devices to the Wonderware System Platform using an easy step-by-step process.



- ① The CXS BACnet Application Generator first scans the existing BACnet network for devices and objects.
- ② Once the BACnet devices are identified, the Application Generator builds a set of corresponding Archestra BACnet Device Objects, and uses these to populate the Archestra Integrated Development Environment (IDE) in the Wonderware Development Studio.
- ③ ④ As it populates the IDE, the Application Generator automatically creates I/O references, and builds the application model by mapping the objects to the application template and graphics included in the supplied libraries. These object and graphics libraries contain a set of predefined objects, graphics and faceplates for standard facilities devices such as dampers, fans, heat exchangers, chillers, etc.
- ⑤ The application is then automatically deployed to the running system.
- ⑥ ⑦ In Run-time, the application uses the CXSBACnet DAServer for high speed read/write access to the BACnet devices.

* Note: For efficient maintenance, the application can be resynchronized by the Application Generator after modification or reconfiguration of the BACnet devices. The process of object creation is logged and can be exported for documentation purposes.



Industry-Leading Productivity for BACnet and i.LON SmartServer Applications

ConneXSoft, a Wonderware Endorsed Partner for facilities management solutions, offers both BACnet and iLink implementations, which contain a DAServer for connectivity between field devices and the application. The DAServer supports read/write access to field devices, device and object browsing, as well as configuration and diagnostics in the System Management Console (SMC). The BACnet and i.Link DAServer each provide full OPC, fast DDE and SuiteLink protocol support.

Support for Echelon i.LON SmartServer is provided by the CXSiLink Integration Package, which leverages the Wonderware ArchestrA® technology and the Wonderware Industry Application for Facilities Management graphics library containing standard facilities device graphics and faceplates.

The CXSiLink application object enables complete configuration of the i.LON SmartServer in the ArchestrA IDE, storage of the configuration in the System Platform, configuration of data points, optional configuration on deployment, and definition of the following i.LON object attributes types:

- Constant Attributes—These attributes are acquired at configuration in the IDE and their values do not change in runtime.
- Read Only Attributes—These attributes are acquired at runtime by the object without accessing the DASCXSiLink DAServer. There is one global scan rate per object for these values.
- Read/Write Attributes—These attributes are utilized at runtime, and used by the DAServer for high speed performance.

Communications to a Multitude of Facilities Management Devices

In addition to BACnet and i.LON, Wonderware also provides device drivers for other protocols frequently used in facilities applications such as LNS® (LonWorks Network Services), OPC, MODBUS, SNMP, XML, and ODBC. Wonderware offers an extensive selection of device integration servers and protocols within the industry, and integrates with not only the most popular protocols, but a variety of other standard and specialty protocols as well.

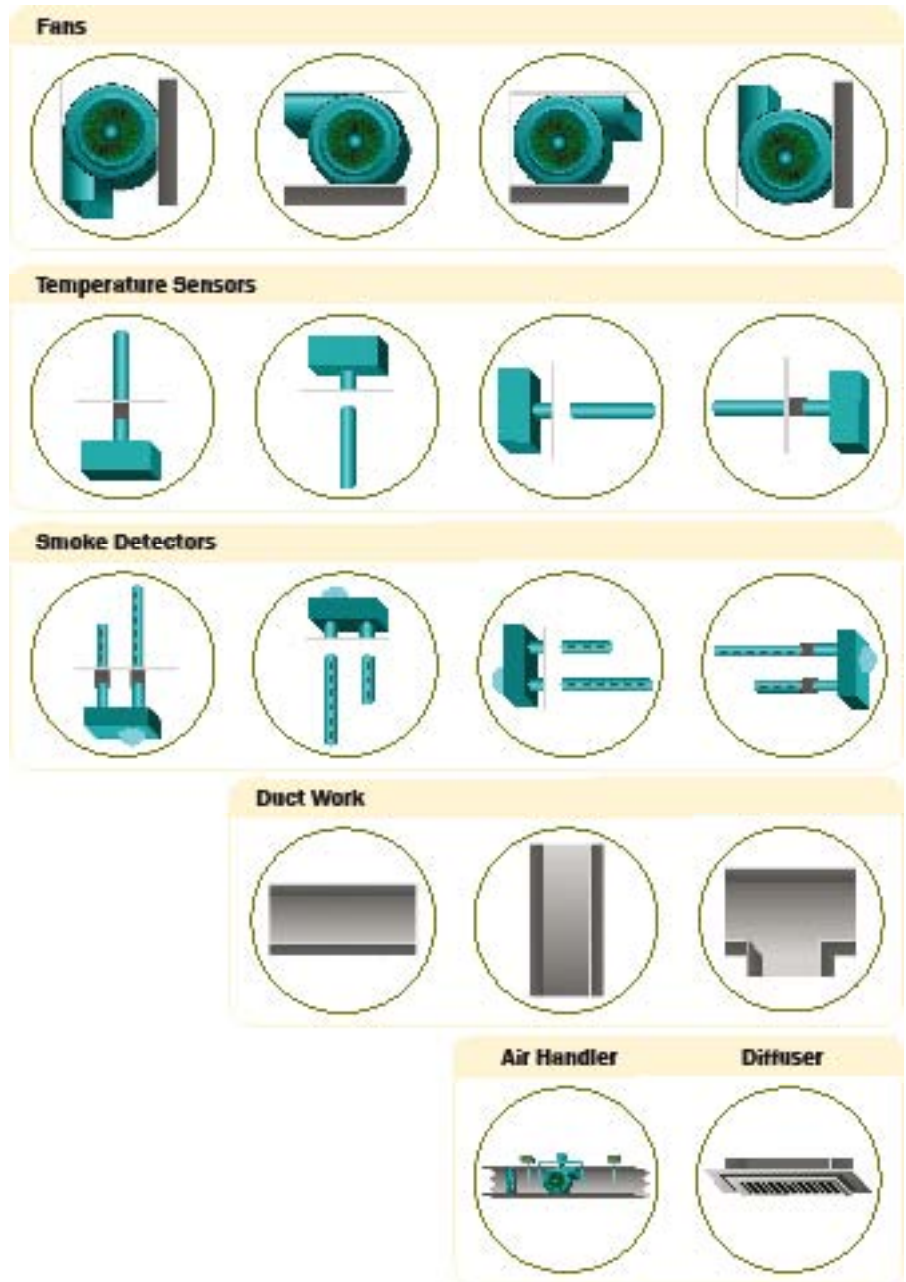


Quick-start Your Application with Advanced Graphics and Animations

The Wonderware Industry Application for Facilities Management includes a library of ArchestrA object templates, ArchestrA graphic animations, and faceplates for use in facilities management applications.

The library leverages the power of the Wonderware System Platform to assist System Integrators (SIs), Value Added Resellers (VARs) and End-Users in the facilities management industry to:

- Deliver projects faster to help improve return on investment
- Easily adopt good development practices to help improve application quality
- Help achieve more efficient engineering for greater system functionality
- Assist in the adoption of operations standards to drive consistency



Learn how you can leverage Wonderware Software Solutions for Facilities Management and other Wonderware software products.



www.wonderware.fi

Helsinki
tel. +358 9 540 4940
automation@klinkmann.fi

St. Petersburg
tel. +7 812 327 3752
info@wonderware.ru

Moscow
tel. +7 495 641 1616
info@wonderware.ru

Yekaterinburg
tel. +7 343 376 5393
info@wonderware.ru

Samara
tel. +7 846 273 95 85
info@wonderware.ru

Kiev
tel. +38 044 495 33 40
info@wonderware.com.ua

Riga
tel. +371 6738 1617
info@wonderware.lv

Vilnius
tel. +370 5 215 1646
info@wonderware.lt

Tallinn
tel. +372 668 4500
info@wonderware.ee

Minsk
tel. +375 17 200 0876
info@wonderware.by

