

ABT Site V3.3.2



Tool to engineer / commission Desigo room automation (DXR1/2.., PXC3..) as well as Acvatix Intelligent Valves (EVG.., EVF..) with tested applications; the tool also engineers plant graphics for Desigo Control Point.

- Create and manage projects
- Define building structure and groupings
- Add network configurations, including devices
- Commissioning and report functions
- Configure standard applications. Comprehensive library with application types and templates for DXR1/2.. room automation stations including related field devices and Intelligent Valves (EVG../EVF..)
- ABT Site also commissions programmed applications for DXR2.. as well as PXC3.. room automation stations.
- Edit and create plant graphics for Desigo Control Point
- Flexibly and efficiently create customized user interfaces for Desigo Control Point
- Graphics library with a large selection of symbols and templates for Desigo Control Point
- Certificate management to activate https connections in embedded web servers

Desigo room automation

ABT Site is used to configure tested, standardized applications for the DXR1/2.. room automation stations. The tool is highly flexible, configuring inputs and outputs of the DXR1/2.. in addition to functions.

The DXR1/2.. automation stations are supplied with preloaded applications that only need be configured.

A comprehensive library with tested, standardized applications is available that can be used instead of the preloaded applications.

ABT Site can be used together with other tools from Desigo such as Desigo Xworks Plus (XWP) or ABT Pro.

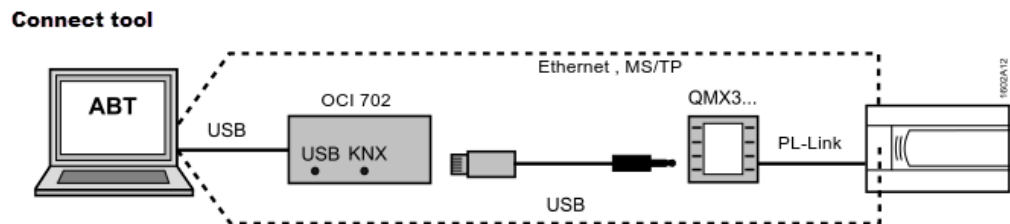
Together with ABT Pro, ABT Site specifically supports the commissioning of programmed applications for DXR2.. room automation stations, but also modular room automation stations of the PXC3 series.

Tool connection

ABT Site supports various methods to communicate with automation stations. The following connection types are possible:

- Via room operator unit
- Via USB
- Via BACnet network connection, either over IP or MS/TP, P1 (dependent on the automation station type)

Service interface OCI702 is required to connect via room operator unit (see data sheet A6V10438951).



Acvatix Intelligent Valve

Acvatix Intelligent Valve is a control valve with a preinstalled, specific application. ABT Site supports, as of V3.3.1, engineering and commissioning of Acvatix Intelligent Valves together with Desigo Xworks Plus (XWP as V6.2 update) for seamless BACnet / IP communication within Desigo PX projects.

Tool connection

ABT Site can communicate with Acvatix Intelligent Valves over BACnet/IP.

Desigo Control Point

The integrated graphics editor for ABT Site offers the following.

- Flexible and efficient creation of customized user interfaces: Page layouts, navigation, texts, colors, operating elements (list, buttons, hyperlinks, etc.)
- Efficient reuse of available graphics
- Simulated preview of graphics in the tool during creation

All functions to edit and create graphics are available using a standard web browser. No additional tool is required.

A comprehensive graphics library with a large selection of symbols and templates are available for Desigo Control Point

- 2D and 2D+ symbols for plant graphics
- Operating elements for end user operation

- Templates for technical primary plants and rooms, meeting and office environments, energy dashboards

Tool connection

ABT Site can communicate over BACnet/IP with touch panels or web interfaces for Desigo Control Point.

Functions



The scope of functions for ABT Site as well as supported products and devices may vary by land and distribution channel. The applicable scope can be viewed in the ABT Site Help under **Info > Configuration > Device packets**. For questions, please contact your Siemens POC or consult the Siemens Industry Online Support at <https://supportstage.industry.siemens.com>

Desigo room automation

Project workflow with ABT Site

First, create the project-specific application templates in ABT Site. The templates can easily and efficiently be configured based on preloaded applications or libraries. An automation station type is assigned to each application template. Freely programmable application templates are taken over directly from ABT Pro for PXC3 series modular room automation stations, but also for the DXR2...

After determining the building structure, create the automation stations by selecting them from the existing application templates and add them to the structure.

Then, commission and load the project data and carry out point test.

Concurrent work during commissioning

Several users can work concurrently on different automation stations within the same project on the plant. To this end, the components to be loaded are checked out (Pack & Go) to allow users, e.g. installers, to configure (add/edit/delete automation stations/application templates) or load the program followed by data point testing. The test results are saved to the automation station and can be viewed any time by the commissioning engineer and read back into the engineering database.

Acvatix Intelligent Valve

The project workflow in ABT Site for Acvatix Intelligent Valves is the same as the workflows for DXR1/2..., provided the tool is used together with Desigo Xworks Plus.

Desigo Control Point

Project workflow with ABT Site

No engineering is required to prepare standard operating views.

The offline engineering workflow is fully integrated for Desigo devices in ABT Site:

- Building hierarchy
- Device assignment
- Create graphics

Graphics engineering in the runtime system via HTML 5.0 web browser.

Graphics library with a large number of templates and symbols.

The operating interface for technical operators and end users is created using the same engineering solution. Tool-free device commissioning. Commissioning using wizard-assisted setup is performed directly on the touch panel or using an HTML5 browser. The devices are operated using standard operating views. Graphics can be created or edited online using the integrated graphics editor.

The runtime system must always recognize and integrate standard BACnet devices.

Certificate management

ABT Site provides TLS certificate management for DXR2.. and PXC3.. room automation stations as well as for Desigo Control Point devices. Certificate management allows for secure http (https) communication with web servers embedded in the Desigo devices. Https ensures web clients can connect to a genuine web server, while, at the same time, integrity and confidentiality of communication are protected. This feature requires firmware version Desigo V6.2 and higher on both the devices and automation stations.

Licensing

ABT Site does not require a license.



ABT Site can be used together with other tools from Desigo such as Desigo Xworks Plus (XWP). A Desigo Tool license is required in this case.

Ordering

The ABT Site installation routine with application library, plant graphics library, and documentation is available at no cost from your Siemens POC or can be downloaded via Siemens Industry Online Support at <https://supportstage.industry.siemens.com>.

Accessories

Type	Order number	Description
OCI702	S55800-Y101	Service interface to connect ABT Site to automation stations via room operator unit (Desigo room automation only).

Product documentation

Topic	Title	Document ID
User's guide	ABT Site help	A6V10431913
Desigo room automation	Data sheet for USB-KNX interface OCI702	A6V10455849
Desigo Control Point	Desigo Control Point planning and installation guide	A6V11170804
Desigo Control Point	BACnet System Desigo Control Point engineering manual	A6V11604297
Desigo Control Point	Desigo Control Point operation manual	A6V11211557
Intelligent Valve	Engineering/commissioning with Desigo	A6V11572317

Video tutorial and e-learning courses are available on using ABT Site for Desigo room automation.

<https://myvideo.siemens.com/search/searchkeyword/desigo%20abt%20training>

Training courses are offered that promote the proper use of the tools. Contact your local Siemens partner for details.

Other relevant documents can be downloaded from the following Internet address:

<http://siemens.com/bt/download>

System requirements

PC hardware ABT Site stand-alone installation without other Desigo tools	
CPU	Compatible with Intel and AMD technology > 1.0 GHz (1.6 GHz recommended)
Memory	8 GB RAM (16 GB RAM recommended)
Hard disk	50 GB HDD at high performance (fast access times) The greater the number and size of the projects, the more additional memory is required. An ABT project size may be anywhere between 250 MB und 30 GB.
Other	Monitor: 1020x768 (1366x768 recommended) USB port (Desigo room automation only) for SSA-DNT as an alternative to Ethernet connection

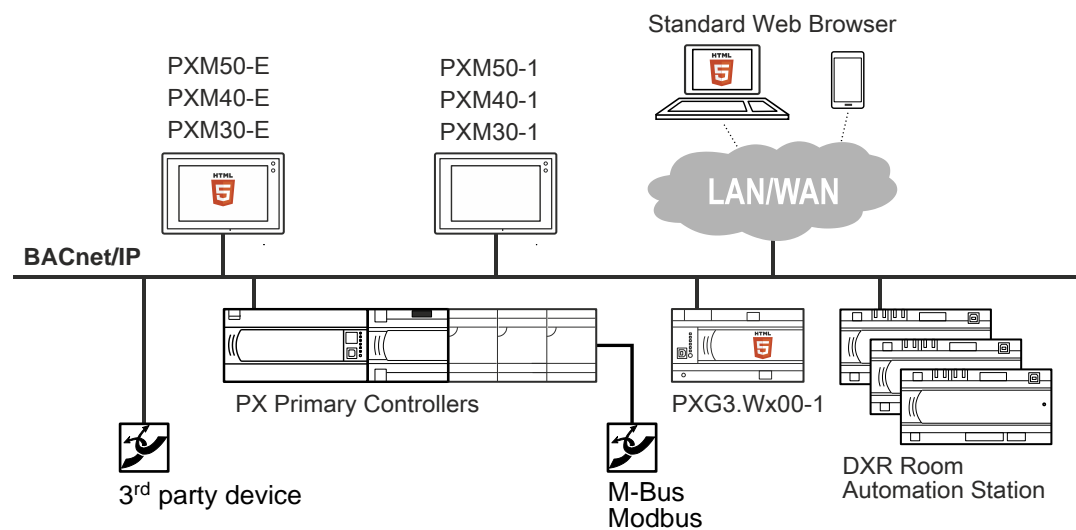
Compatibility

Windows 7 Professional / Ultimate / Enterprise		Windows 10 Professional, Enterprise
32 bit	64 bit	64 bit
No	Yes	Yes

MS Office 2010/2013/2016/2019*		MS Office 365 ProPlus*
32 bit	64 bit	Yes
Yes	No	

* V3.3.2 and higher

Topology



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