



Tool to engineer and commission Desigo room automation (DXR2.., PXC3..) with tested applications as well as to engineer 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 room applications
- Comprehensive library with application types and templates for DXR2.. room automation stations including related field devices
- 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 DXR2.. room automation stations. The tool is highly flexible, configuring inputs and outputs of the DXR2.. in addition to functions.

Die DXR2.. 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.

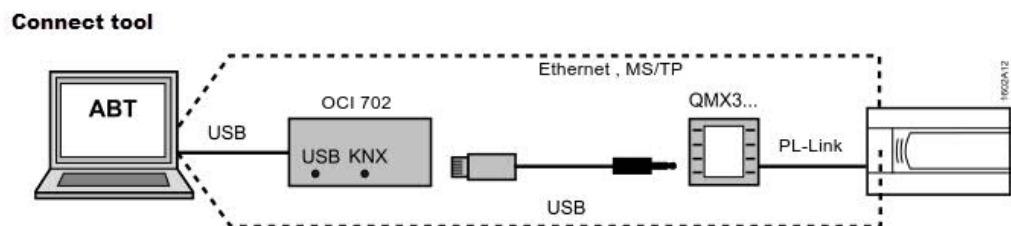
Together with ABT Pro, ABT Site specifically supports the commissioning of programmed applications for DXR2.. room automation stations, but also modular room automation stations of the PXC3 series.

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 (dependent on the automation station type)

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



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
- QMX7 operating elements
- Templates for technical primary plants and rooms, meeting and office environments, energy dashboards

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

Tool connection

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

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.

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.

Desigo Control Point

Project workflow with ABT Site

No engineering is required to prepare standard operating views.

The offline engineering workflow is fully integrated in ABT Site:

- Building hierarchy
- Device assignment
- Create graphics

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

Graphic library with a large number of templates and symbols.

User interfaces for technical operators and end users are 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 workflows for commissioning and service are the same as for other Desigo devices.

Certificate management

From version V3.2, 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. Hhttps 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

Contact your local Siemens branch for a free copy of ABT Site and the associated application library. ABT Site does not require a license for standard Desigo commissioning tasks such as loading configurations, data point testing, or balancing air and water. However, a license is required to engineer DXR2.. automation stations or Desigo Control Point devices.

Component	Task / Key functions	Used in		Licensing	
		Desigo room automation	Desigo Control Point	Supported with license	Supported without license
Project manager	Projects	X	X	X	X
	Settings	X	X	X	X
Building	Building structure	X	X	X	X
	Central functions	X		X	
	Device list	X	X	X	
	Overview of application & device	X	X	X	
	Certificate management				
	• Create/renew certificate	X	X	X	X ¹
	• Report	X	X	X	
	• Import external certificates	X	X	X	X ¹
Configuration	Application selection	X		X	
	Application configuration	X		X	
	Default values	X		X	
	I/O assignment	X		X	
Engineering	Device assignment				
	• Create/engineer graphics		X	X	
	• Assign devices		X	X	
	• Show/hide parameters		X	X	
Startup	Set up connection	X	X	X	X
	Activate and download				
	• Assign device	X	X	X	X
	• Load applications/device	X	X	X	X
	• Clear applications/devices	X	X	X	X
	• Upload applications/device	X	X	X	X
	• Backup	X	X	X	X
	• Restore	X	X	X	X
	• Download the firmware	X	X	X	X
	Global functions/balancer	X		X	X
	Export	X	X	X	X
Diagnosis	X	X	X	X	
Online	(No tasks)	X	X	X	X
Reports	Reports	X	X	X	X
Advanced	ABT Pro	X		X	
	User designation	X	X	X	
Settings	Address defaults	X	X	X	
	User profile	X		X	
	Default naming	X	X	X	
	Localization	X	X	X	
	I/O address templates	X	X	X	
	Number ranges	X		X	

¹ Carried out in the building structure task

Ordering

Contact your local Siemens branch for a free copy of the ABT Site installation routine and associated application library, plant graphics library, and documentation. An additional license must be ordered for a full version to engineer DXR2.. automation stations or engineer plant graphics for Desigo Control Point. The license is activated along with full functionality of ABT Site.

Type	Order number	Description
CTABT-SITE-SW	P55802-Y169-A100	License for ABT Site to activate full functionality.



A license for ABT Site full version is already included in the Desigo tool license for Desigo Xworks Plus (XWP) or ABT Pro.

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).
CMD.04	S55802-Y148	License dongle (optional). Can be used together with the ABT Site tool license, allowing for use of the same license on two client PCs.



No dongle is required for using different VMware images on the same PC.

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	Desigo Control Point engineering manual	A6V11211560
Desigo Control Point	Desigo Control Point operation manual	A6V11211557

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>

Specifications

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	4 GB RAM (6 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

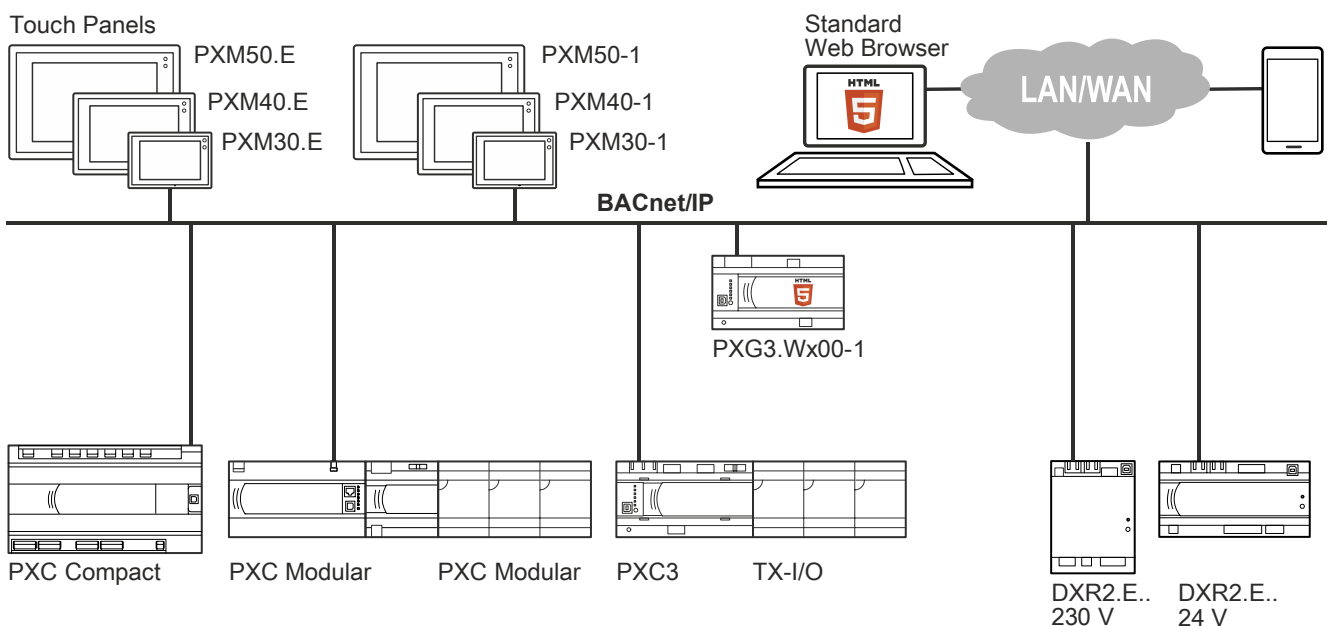
Compatibility

Windows 7 Professional / Ultimate / Enterprise		Windows 8.1 Professional / Enterprise	Windows 10 Professional, Enterprise
32 bit	64 bit	64 bit	64 bit
No	Yes	Yes	Yes

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

* V3.2 and higher

Topology



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