



The intelligent method for

Integrated Building Control Systems

Priva Top Control



The art of having control



Priva Top Control

Priva Top Control is the complete software family for intelligent building control in which applications work closely with each other and with the Priva controllers. With an integrated system you can efficiently maintain and control the building.

The differences between a Priva Top Control building control system and other systems are:

- the unlimited availability of engineering applications;
- project files which are the full property of the client;
- intelligent methodology that enables expansion by approved systems specialists
- the efficiency and speed of project installation and project expansion.

A large part of the cost of installation, maintenance and expansion of building control systems is the labour cost. Therefore software must work quickly and efficiently, which is exactly what Priva Top Control delivers. Estimating, projecting,



engineering, simulation, user access, graphics and monitoring are possible with one integrated software family. Operating from one source, data is imported into the project database only once; this information is then used in all applications.

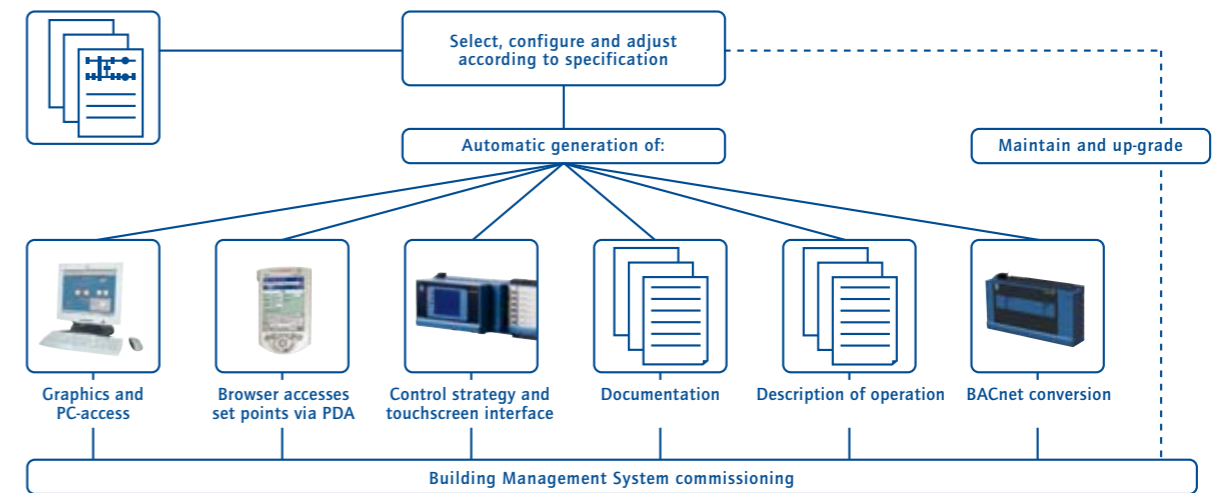
Wide variety of control modules

Priva Top Control is based on a wide variety of freely configurable control modules for almost all equipment and installations that occur in a building. Therefore there are control modules for heating, cooling, ventilation, heat and cold storage, heat pumps, and indication of legionella. The control modules are individually equipped with typical control strategies and detailed definitions that automatically adjust themselves to the selected configuration. For project specific installations, Priva Top Control uses a graphic format that is both powerful and flexible. Therefore you can create complete building control systems without knowledge of specific programming languages. The result: systems that are easily maintained and installed or expanded by a preferred and approved systems specialist. In short, a guarantee of low costs during its entire lifespan.

Open and future oriented

Priva Top Control is open and future oriented. Based on the most up-to-date automatic control ideas, internet technology and standards such as XML, BACnet, Echelon/LonMark, KNX/EIB, Modbus, M-bus, ODBC, SQL and OPC. Choosing Priva Top Control is choosing more freedom and more security.

Intelligent Operation



The Priva Top Control method for an integrated building system

The correct application for every installation

Priva Top Control consists of, amongst other, the following applications:

TC Vision: the PC-application for on-site control and remote control, with graphics, logged graphs, tables, documentation and reports.

TC Web Vision: the web server application for browser operation with complete visualization possibilities, to operate all your Priva Top Control systems from a distance. You only have to maintain your files from one location.

TC Web Display: the text oriented browser operation from PC or PDA that communicates directly with the web server in your controller.

TC Remote: the PC-application with a well organized selection of variables and settings for individual operation. TC Remote is always within reach when you want to modify your personal environment.

TC History: the application for long-term storage of logged data that retrieves selected information online and saves it on an open database.

TC ServeCenter: the PC-application for alarms and failure reports that protects your Priva building control systems - not only in your building but also elsewhere - via modems or the operating network. If necessary, TC Serve Center calls the responsible technician, based on duty schedule and alarm type.

TC OPC Server: this application standardizes information from your building control system making it available to other PC-applications.

TC OPC Client: the interface to operate third-party equipment from TC Web Vision and TC Vision.

TC BACnet Router: the combination of hardware and software which makes new and existing Priva Top Control projects native BACnet.

TC Select: the Priva Top Control engineering application with hundreds of ready-made control modules and graphic programming possibilities to install and to maintain integrated systems.

TC Select

The most intelligent method: from specification to complete system

The Priva method is central in the TC Select engineering application.

Thoroughly tested control modules

The basis of Priva Top Control is its variety of control modules. For almost all equipment in the building, Priva has a matching and thoroughly tested control module available. This saves you a lot of time, both during the engineering and start-up of your building control system.

Subsequent operation and design

A control module contains the control strategy, graphics, settings, and documentation. These control modules are assigned to a project providing a smooth design path. At the same time all BACnet objects for TC BACnet Router are automatically generated by TC Select, labelled and linked to the correct Top Control variables. Thanks to the manner in which Priva Top Control has been written, system programs are highly adaptable and ensure consistency even when native BACnet is deemed a necessity or when designed by different engineers.

Configuration to customization

Every building is different and we recognize this. In the Top Control control modules, years of experience has been brought together. By simply configuring the control modules, they are programmed specifically for your building.

Connecting to one installation

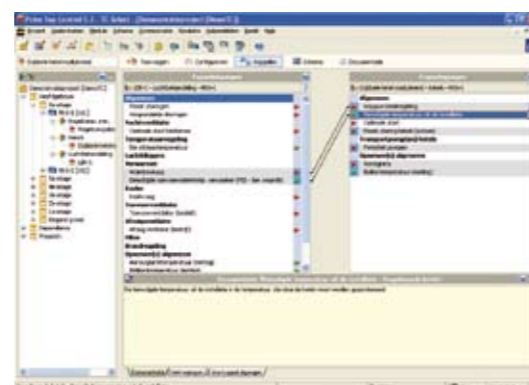
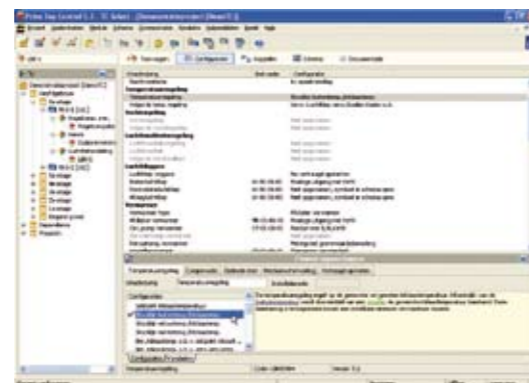
Just like pipes connect the equipment in your building, the different control modules are connected to each other in Priva Top Control. This takes place completely graphically, quickly and clearly.

Off-line simulation of control engineering

You can activate a controller to test the control strategy; off-line, thus without a risk to your system.

Extended documentation

Every control module is equipped with extended documentation for engineer and user. This describes the operation and includes any adjustments to the configuration, the links and the current values.



Complete support from the hardware

Complete integration with Compri HX

Priva Top Control completely supports the Priva controllers. Depending on the necessary inputs and outputs the correct controller type is identified. And depending on its use, the optimum software is selected.

Field equipment independent

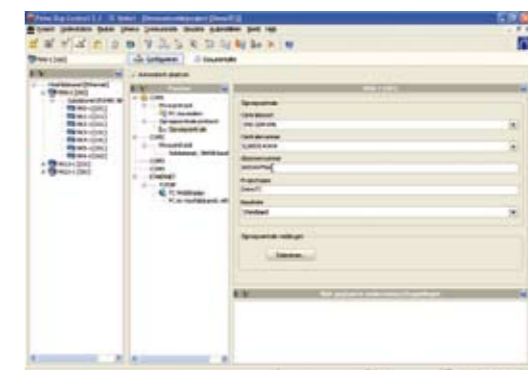
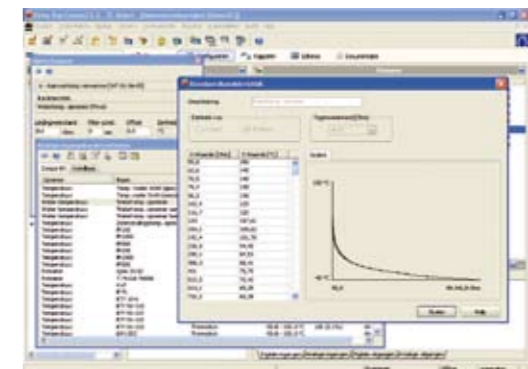
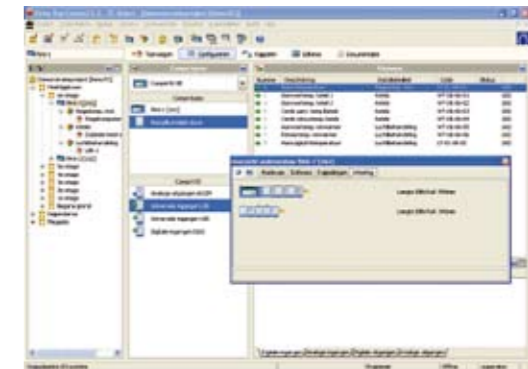
Especially in renovation projects you want free selection of the sensors and actuators to be used. Priva Top Control offers this freedom. Due to the extended library of manufacturers' temperature sensors, their characteristics are fully understood enabling any type of field equipment to be used. It even supports any non-listed devices by defining your own characteristics via look-up tables. Thanks to intelligent filtering, screened cabling is not necessary, thereby making valuable savings by retaining the existing peripherals.

Communication is simple

Whether it concerns information-exchange between the different controllers, remote control, e-mails or the reporting of alarms via SMS, a few mouse clicks are sufficient. Priva Top Control ensures correct transfer of information so that data cannot be lost.

Onboard graphics and record of run-time

The historical record of your installation is very valuable. That is why Priva Top Control has standard logged graphs on all measurements and PID's. For groups of motors, a record of run-time can be produced and their energy consumption provided in table format. This information is retained in the controller and can easily be requested with the touch screen operation. Therefore you always have the most recent information, even when the PC has been switched off.



More freedom, more security

The structure and configuration of the building management system is contained in the project database. This includes all the data required to expand and up-grade your system, including any chosen interface through OPC (Object linking and embedding for Process Control) or BACnet.

In accordance with the Priva Top Control philosophy, the database together with its project data is and remains your property. Consequently, the end client always has full ownership of the project source files as they are stored in the database.

You have also access to, and the right to use, all Priva Top Control engineering tools so you remain in control of your building management system. Continuity of your system is guaranteed!

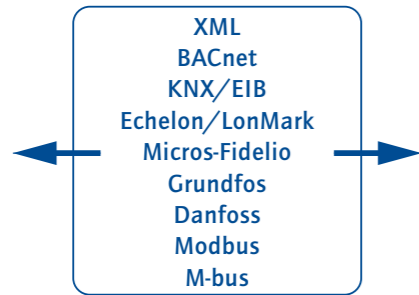




All the possibilities for extensive integration

In addition to the building control system, an intelligent building also contains a range of equipment with which information must be

exchanged. To this end, Priva Top Control offers a wide range of standard and product specific protocols.



Universal interface for seamless communication - now and in the future

To exchange automatic control information with other equipment, Priva Building Intelligence has developed a universal interface that allows the engineer to concentrate on the automatic control relationship between different equipment without having to understand the exact protocol specific details.

Flexibility is standard

No user is the same, no installation is identical, that is why a Priva Top Control building control system can always be adjusted and extended.

Editing and adding of graphics

The graphics included in the control module are easily altered, making them personal to you and your building(s).

Photographs and dynamic symbols

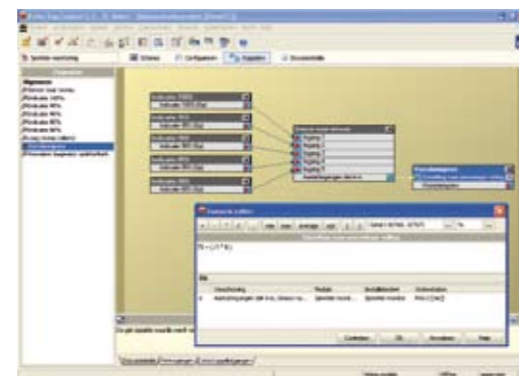
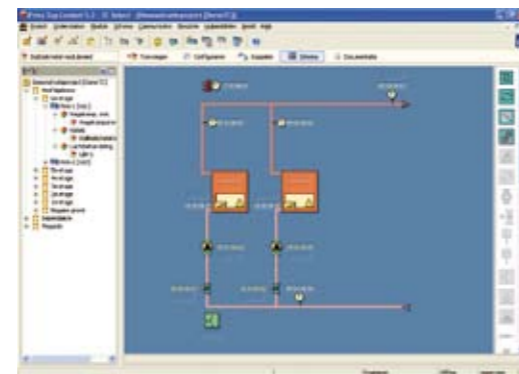
Your photographs and floor plans can be included in a graphic. You can also use dynamic symbols that can vary in colour, form or size. This makes the information more accessible and intuitive to use.

Graphic programming with elements

If the desired, often project specific, functionality is for some unforeseen reason not available in a control module, you can program this. In a graphic, complete function blocks - the elements - are connected with a few mouse clicks. Formulas are then used to convert values into units or size.

Automatically generated documentation

Priva Top Control generates a text document containing all information relating to the configuration and links between the control modules, the used inputs and outputs of the controllers, as well as a complete automatic control description.



Select the operation you require

For the user access of your system, Priva Top Control offers numerous possibilities with Priva hardware or with a PC or PDA with Microsoft Windows®, remotely or on site.

Each project includes a TC Vision-License

Thanks to the numerous graphics provided, you can quickly build graphics on the PC. That is why each project is delivered as standard with one licence for a user of TC Vision; the PC application for user access and graphics - locally and remotely - via modem.

More freedom with web server technology

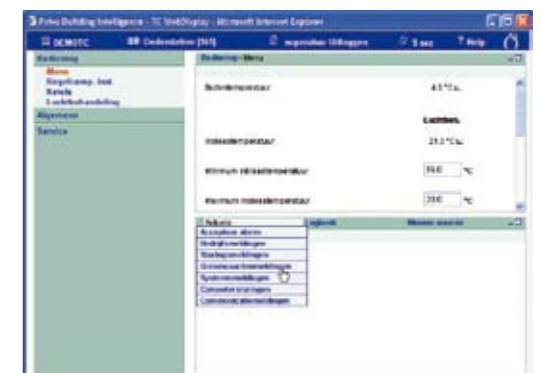
Thanks to modern web server technology, you are no longer bound to one location in order to operate all your building control systems. With the aid of TC Web Vision and Microsoft Internet Information Services, the browser offers you all the information from your office: including all graphics and logged graphs. Thanks to the use of standard Scalable Vector Graphics (SVG), the ease of user operation is similar to other PC-applications.

Mobile with the PDA

Via the browser you also have access, with TC Web Display, to the internal web server of the Compri HX controller. With this, all user and service settings are accessible. TC Web Display also functions excellently with Pocket PC PDA, via a Wireless LAN, for example.

Safe user management

To be able to operate your installation, you must first log onto the system. You can program which level of settings may be altered by each person. Every change is logged in the controller - a safe idea.



Priva Top Control - proven technology

Every year, many thousands of building and environmental installations are automated with Priva Top Control, varying from a leisure centre to a museum, from a theatre to an office complex, and from an offshore platform to production facilities. The following is a selection of completed projects:

UK & Ireland: North Star College in Swindon, Grace Academy in Birmingham, Arla Foods UK plc in Lockerbie, Cable & Wireless Solutions Centre in Bracknell, Carlton Redcastle Hotel in Co. Donegal, John Dewars/Allied Domecq Whisky bottling plant in Glasgow, Front Line Club & Restaurant in Paddington, Beaumont Riding School in Surrey, National Air Traffic Services in Edinburgh, Cardinal Newman School in Luton, and Date Palm Developments Growth and Close Control Rooms in Somerset.



The art of having control

You chose freedom and security in building control systems. You chose systems which are as well designed as they are reliable. Priva Building Intelligence Systems. Priva Top Control is based on a unique method of installation of building control systems, developed by Priva Building Intelligence.

- Rapid project implementation, easily maintainable and always expandable.
- Plenty of freedom in the selection of field equipment.
- Tested efficiency and low-energy control with built-in diagnostics.
- All the possibilities for on site and remote controlled user access.
- Simple integration with other installations in your building.
- An open system, with standard information exchange protocols.
- Based on the most up-to-date internet technology.

Priva Building Intelligence is supported by a complete network of professionals, certified Priva partners, control specialists and system integrators, spread across the country. They know the hardware and software products through and through. Therefore, Priva Building Intelligence not only offers you maximum efficiency, but also maximum protection in quality and service.

Priva is a leader in climate control, not only in the area of building control systems, but also in horticulture. By complete integration of all climate related aspects, we help you to save on costs and we create an optimal environment for man and plant. In this integral approach lies our strength. At Priva, our knowledge of building control systems and climate control for glasshouse horticulture is situated under one roof.



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