

Saia PCD® Supervisor

Complete solution for managing buildings and infrastructures



Safety – Comfort – Efficiency

We at Saia Burgess Controls believe that building automation should never be an end in itself. First and foremost, it should ensure the safety and comfort that people expect in a building – whether the building in question is a school, an office, a hotel, a supermarket, a production facility or a warehouse.

A modern building management system is the key to reliable, flexible and efficient building-related systems. Not only should it allow further optimisation, it should help to reduce energy consumption and thus protect the environment and save money.

That is why we have developed the Saia PCD Supervisor.



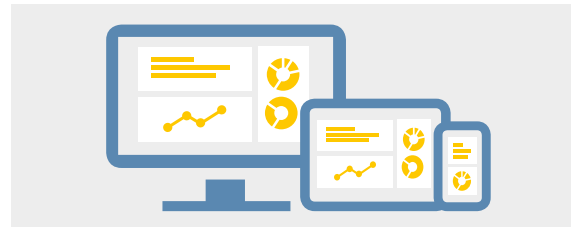
Cyber security

Keep track of important information at all times

As a modern, scalable monitoring and management solution, the Saia PCD Supervisor bundles visualisation, interaction, monitoring and reporting in a user-friendly, high-performance software platform. Designed to offer compatibility regardless of brands, it allows the integration of all building systems across disciplines – even third-party systems. By bringing together all relevant data and displaying them in a way which is easy to understand, the Saia PCD Supervisor helps to optimise building systems and thus improve building efficiency significantly.

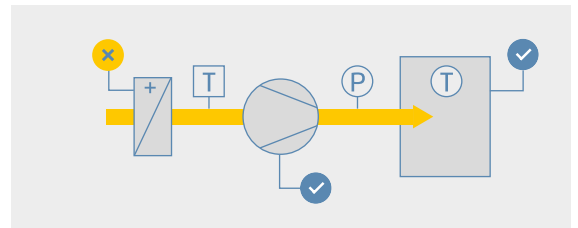
Visualisation

The Saia PCD Supervisor sets new standards in visualisation – whether it be on a desktop PC, tablet or smartphone. All that is needed is a modern web browser – thanks to HTML5 technology, no plug-ins whatsoever are needed. You can take advantage of the adjustable, predefined templates.



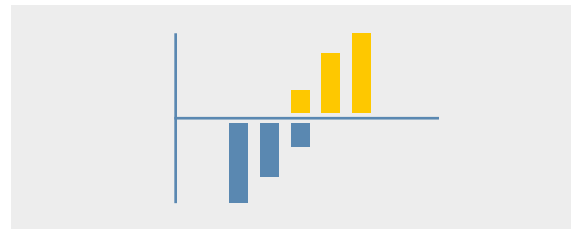
System monitoring

The Saia PCD Supervisor conveniently presents system data in graphical system diagrams, as a trend diagram or in table form – all directly in a web browser, regardless of protocol, data point type, controller and operating system.



Energy monitoring

There is also an optional add-on that allows the user to record, display, analyse and optimise energy consumption across disciplines. This enables energy monitoring to support energy management in accordance with DIN ISO 50001.



Reporting

Data can be exported as reports in CSV or PDF format at any time – this can also be done automatically. Thanks to the SQL or OPC interface, integration with other systems is easily possible.



Dashboards

The user can keep track of key performance indicators on dashboards at all times. Dashboards can be created and/or configured by the user, thus allowing the most important data to be displayed in an individual manner.



Open and flexible for planners

Planning building automation systems is no easy task. Given the wide variety of disciplines, brands and technologies, the complexity is extremely high. At the same time, the building management system plays a key role in any building. The Saia PCD Supervisor helps planners to make the right decisions.

Open communication

All open communication protocols which are relevant in building automation nowadays are supported, e.g. KNX, LON, M-Bus, OPC, Modbus and BACnet – including B-OVS and B-AWS certification, as well as 3rd-party drivers. Optionally, external systems can also be connected via the SQL interface.



Flexible licence model

Individual buildings can be managed in the same way as larger building complexes and facilities spread across various sites. Extendible licence packages are available for all applications – the smallest package offers 500 data points. And because users access the system via a web browser, there are no licence costs per operator station!



IT compatibility and security

When it comes to IT security, the Saia PCD Supervisor is state of the art. Even in virtual environments, it runs under Windows 10 and Windows Server. There is no need to install software on the clients – an up-to-date web browser is enough. Plug-ins like Java, Flash, Silverlight etc. are not required. Thanks to LDAP integration, existing user profiles can easily be carried over.



Certainty for the future

Digitalisation, cloud services, IoT and artificial intelligence are keywords in the technological revolution which has long been under way in the building automation sector too. With the Saia PCD Supervisor, planners are well prepared for the digital future. The integrated connectivity function gets relevant data into the cloud securely.

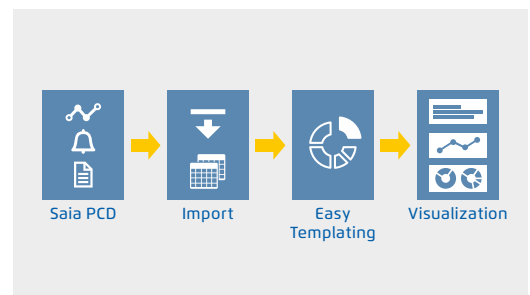


Universal design for system integrators

Management systems should offer compatibility regardless of brands. This is one of the main requirements – not only for system integrators but also for planners and operators. The Saia PCD Supervisor offers additional advantages to system integrators, such as certification as B-OWS/B-AWS to guarantee trouble-free collaboration during multi-vendor projects.

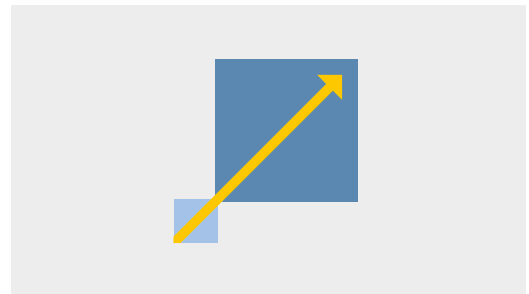
Efficient engineering

Users can create and use their own templates more efficiently and independently of protocol, and visualise them quickly and individually via the application library (compatible with PG5 templates). The properties and extensions of data points are imported via a predefined, adjustable mapping table (PCD controller connected via either Ether-S-Bus or the S-Bus gateway). Users can generate their own HTML5 structure for web visualisation with the predefined project templates.



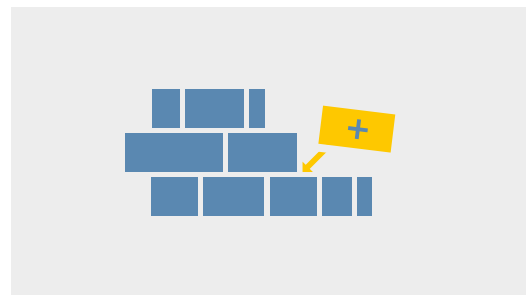
Modular and scalable

All important SCADA functions are already included in the smallest licence with 500 S-Bus data points. Thanks to data point extensions – even for open protocols – the system can be adapted to any project size. Further interfaces as well as a benchmarking and analysis tool for energy monitoring are available as optional modules.



Individually customisable

Because the Saia PCD Supervisor is based on the proven Niagara 4 Framework, the system can be extended almost limitlessly and customised to meet the individual needs of the integrator, planner or operator. A knowledge of programming and relevant training are all that is needed here. As a result, it is possible to react quickly to new requirements during a project.



Training and support

A four-day engineering course provides all the knowledge needed for successful project work. On the basis of an extensive demo project, participants are taught how to work with the Saia PCD Supervisor in a practical context. And if questions or problems arise later on, our technical support department would be happy to help!

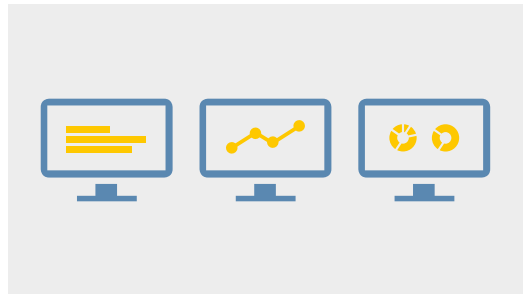


Efficient for operators

Building operators have to cater for a wide range of demanding requirements. Users expect a high level of comfort even if the usage situation changes. All building-related systems must therefore work reliably and efficiently at all times. The Saia PCD Supervisor can support the operator here.

Integrated all-round solution

With just one application, you can keep track of important system data at all times. The Saia PCD Supervisor integrates all systems in a building because all relevant communication protocols are supported and normalised. The system is rounded off by optional modules: a notification and analysis tool as well as a database interface.



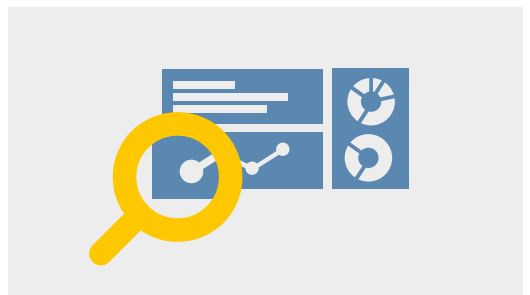
Role-specific, transparent visualisation

With the Saia PCD Supervisor, each user sees exactly what is relevant to them: system technicians see the system diagrams and MSR technicians see additional control parameters. In contrast, the facility manager can change time plans while the security personnel receive security-related messages. The forwarding of alarms via e-mail is also possible. Naturally, all of this can be set up and individualised in accordance with specific user requirements.



Benchmarking and optimisation

Individually configurable dashboards, diagrams and reports ensure maximum transparency as regards consumption data and help when optimising BA systems. It is also possible to compare buildings and systems. This makes it possible to detect deviations and helps to identify areas where improvements can be made.



Avoiding problems or rectifying them quickly

Thanks to the clear way in which system data are displayed – either in system diagrams or in list form – any problems and system faults can be identified quickly and rectified immediately. For example, it is possible to navigate from the alarm list straight to the system affected.



Products and licences

The licensing scheme for the Saia PCD Supervisor is geared to the number of points. A point is an individual information element which is stored in the Saia PCD Supervisor database. With Saia PCD controllers, these are flags, registers, inputs, outputs etc. which can be read or written by the Saia PCD Supervisor via S-Bus. There are also open points, e.g. BACnet IP, EIB/KNX IP, LON IP, Modbus IP, M-Bus IP, OPC and SNMP.

S-Bus points are controlled by SBC's own controllers (PCD1, PCD2, PCD3 and PCD7). Access is gained via the S-Bus protocol. For this device category, the scope of the licence is geared to the number of points which are monitored. In addition to the three basic versions of the Saia PCD Supervisor, another four point extensions which can be added without restrictions are available.

Open points are data points of devices or sub-systems with open protocols which are integrated directly into the Saia PCD Supervisor. The open driver packages for the Saia PCD Supervisor contain a selection of standard drivers which can be used for head-end system integration.

Maintenance contracts: The basic package offers 18 months' maintenance including free upgrades. Optionally, the maintenance can be extended for 1, 3 or 5 further years.

Licence model and order codes for end users

Basic S-Bus packages

PCD8.SUP-500	S-Bus driver	500 points
PCD8.SUP-2500	S-Bus driver	2500 points
PCD8.SUP-10000	S-Bus driver	10000 points

S-Bus extensions

PCD8.SUP-100EXT	S-Bus driver	100 points
PCD8.SUP-2500EXT	S-Bus driver	2500 points
PCD8.SUP-5000EXT	S-Bus driver	5000 points
PCD8.SUP-15000EXT	S-Bus driver	15000 points

Extensions with open protocols

BACnet IP, EIB/KNX IP, LON IP, Modbus IP, M-Bus IP, SNMP, OPC

PCD8.SUP-500OPEN	Extension	500 points
PCD8.SUP-2500OPEN	Extension	2500 points
PCD8.SUP-5000OPEN	Extension	5000 points
PCD8.SUP-10000OPEN	Extension	10000 points

Extensions

PCD8.SUP-DB-CSV	Microsoft Excel interface
PCD8.SUP-DB-MYSQL	MySQL Server interface
PCD8.SUP-DB-ORDL	Oracle Server interface
PCD8.SUP-DB-SQL	SQL Server interface

Maintenance contracts

PCD8.SUP-MNT1	Maintenance for 1 additional year
PCD8.SUP-MNT3	Maintenance for 3 additional years
PCD8.SUP-MNT5	Maintenance for 5 additional years

Partner license agreements

PCD8.SUP-NAA-MON	Monthly agreement for 1 engineer*
PCD8.SUP-NAA-STK1	Annual agreement for 1 engineer
PCD8.SUP-NAA-STK5	Annual agreement for 5 engineers
PCD8.SUP-NAA-REN	Annual agreement renewal
PCD8.SUP-NAA-ENG	One additional engineering license

* PCD8.SUP-NAA-MON licenses can only be purchased by new partners. From purchase's month until renewal. You must always purchase as many monthly licenses as you need for the period until November 30th. After November 30th, they will be renewed for 1 year with the normal PCD8.SUP-NAA-REN.

We would be happy to advise you and put together a suitable licence model for you.

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