akytec

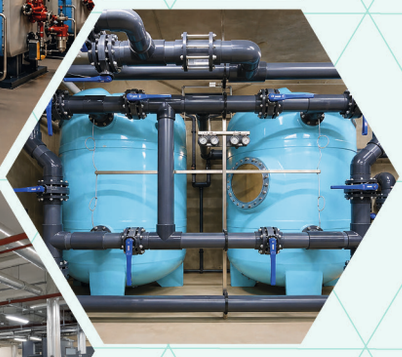
REFERENCE LIST





















IMPLEMENTED WITH AKYTEC

This catalogue presents real projects implemented with akYtec equipment across HVAC, water supply, manufacturing, energy, and building automation. It shows how our controllers, I/O modules, and monitoring solutions are used in practice — often integrated with third-party devices within existing systems.

The examples demonstrate reliable control, data acquisition, and remote monitoring in diverse facilities, highlighting compatibility and flexibility in multi-vendor environments. Our technical team supports every stage of implementation — from system design to commissioning — helping partners deliver stable and efficient automation solutions.



REMOTE MONITORING AND TEMPERATURE CONTROL SYSTEM FOR THE AQUA PARK AT “PANONSKE TERME”, INĐIJA

Serbia

Investor/End-User:
Voda Sinđelić RUC Ždrelo Ltd., Ždrelo near Petrovac na Mlavi
Branch: Panonske terme, Inđija

System Integrator:
Snap Electronics — Niš

Object:
Hotel Complex “Panonske terme”
Novi Karlovci, Inđija

Year of Implementation:
2025

Industry:
HVAC

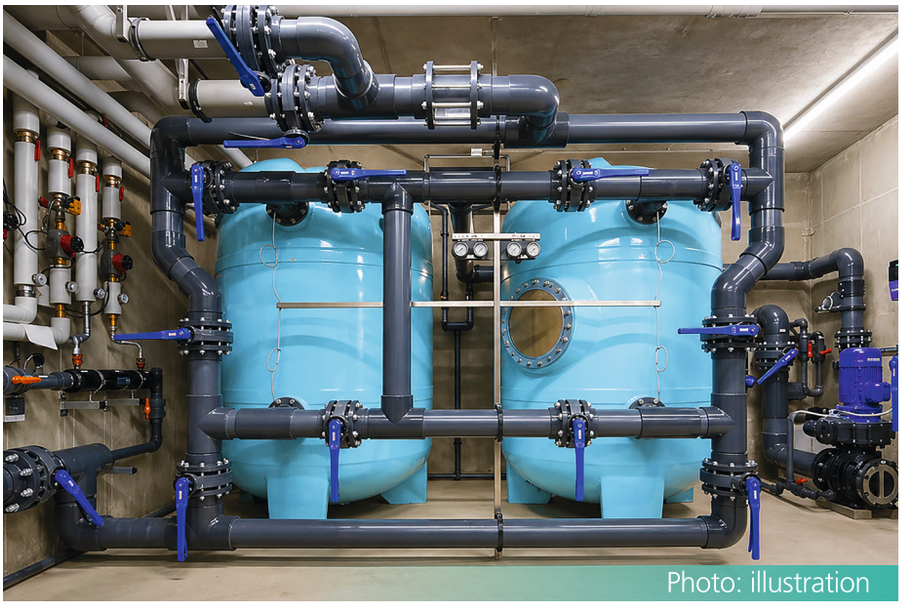


Photo: illustration

The project was implemented in 2025 at the hotel complex “Panonske terme” in Novi Karlovci (Inđija, Serbia) for the investor “Voda Sinđelić RUC Ždrelo” d.o.o., branch Panonske terme Inđija. System integration was performed by Snap Electronics from Niš. The main goal was to establish reliable remote monitoring and control of thermotechnical systems, with a focus on heating water across twelve indoor and outdoor pools within the aqua park. The solution required precise temperature regulation, continuous monitoring of system conditions, and seamless integration with existing and third-party equipment.

The automation system covers all twelve pools and ensures stable maintenance of set water temperatures. This is achieved through continuous measurement and control within the thermo-technical infrastructure. In parallel, the system enables remote supervision of key operational parameters, allowing operators to monitor performance and react promptly to any deviations.

The system measures pool water temperature and pressure in the make-up water installation. Based on these inputs, the control logic manages actuators such as control valves and circulation pumps. This ensures stable thermal conditions under varying loads while providing full visibility of system status through remote access.

The installed solution includes four akYtec PR200 controllers, integrated with third-party temperature sensors for water and air, as well as pressure transmitters. A key aspect of the project was ensuring compatibility between akYtec devices and external components.

All project objectives were successfully achieved. The system delivers stable temperature control, continuous pressure monitoring, and proves effective operation witin a multi-vendor environment.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
4 x PR200

Compatible third-party automation devices (if used):
Temperature sensors for water and air
Pressure transmitters

AUTOMATION OF HEAT RECOVERY VENTILATION SYSTEM FOR THE “NORA” EVENT RESTAURANT, BOR


Photo: illustration

Serbia

Investor/End-User:
DOO
Event centar Nora, Bor

System Integrator:
Kip automatika — Malošište, Niš

Object:
Event venue
restaurant

Year of Implementation:
2026

Industry:
HVAC

The project was implemented in 2026 in Serbia for DOO Event center Nora, Bor. System integration was carried out by Kip automatika from Malošište, Niš. The project concerned a restaurant facility intended for events and celebrations.

The main objective was the automation of heat recovery units used for ventilation and additional heating of the restaurant halls. The task required reliable control of ventilation processes in order to maintain appropriate air quality within enclosed spaces during operation.

The automated system includes heat recovery units responsible for ventilation and air treatment in the restaurant halls. The primary function of the automation system is the regulation of fresh air dampers on the heat recovery units to ensure consistent air quality in the halls. The control logic continuously adjusts damper positions based on measured conditions, providing balanced ventilation according to actual demand.The system measures indoor air quality parameters through an air quality transmitter.

Based on these measurements, the controllers regulate the actuators, specifically the dampers. This enables controlled intake of fresh air and stable maintenance of defined air quality levels within the facility.

The installed equipment includes three akYtec PR200 controllers. The solution is integrated with a third-party air quality transmitter. Compatibility between the akYtec controllers and external measurement devices enabled straightforward installation and system configuration. The components operate as an integrated control structure without conflict between devices from different manufacturers.

The project goal of implementing a system for maintaining air quality in the restaurant halls was achieved. The completed automation system ensures controlled ventilation and stable operating conditions in the facility.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
3 x PR200

Compatible third-party automation devices (if used):
Air quality transmitter

BOILER ROOM AUTOMATION AND REMOTE MONITORING SYSTEM FOR THE JUVENILE CORRECTIONAL FACILITY, KRUŠEVAC

Serbia

Investor/End-User:
Ministry of Justice Administration for the Enforcementof Criminal Sanctions
Juvenile Correctional Facility, Kruševac

System Integrator:
"Dedita" doo — Belgrade

Object:
Juvenile Correctional Facility, Kruševac

Year of Implementation:
2026

Industry:
HVAC



Photo: illustration

The project was implemented in 2026 in Serbia for the Ministry of Justice, Administration for the Execution of Criminal Sanctions, at the Juvenile correctional facility in Kruševac. System integration was carried out by Dedita d.o.o., Belgrade, covering the boiler room of the facility complex. The main objective was automatic boiler start-up, structured data acquisition, and implementation of a remote monitoring system. The solution required reliable control of boiler operation based on predefined schedules and outdoor temperature conditions, along with continuous supervision of system parameters.

The automation system was applied to the boiler room and is responsible for managing core processes. Its primary functions include automatic boiler start-up based on time and measured outdoor air temperature, acquisition of operational data, and remote monitoring of the installation. The control logic ensures that boilers are activated only when defined conditions are met, maintaining stable and efficient operating regimes.

The system measures water temperatures and pressures, as well as the operating status of boilers and circulation pumps. Based on these inputs, controllers manage boiler start-up and enable structured data collection for supervisory purposes and long-term analysis.

The installed solution includes two akYtec PR200 controllers and one PRM.230 expansion module. It is integrated with third-party temperature sensors and pressure transmitters. Compatibility between akYtec devices and external components ensured consistent integration within the existing thermotechnical infrastructure.

The project goals were achieved, providing reliable control, data acquisition, and remote monitoring within a unified and stable system.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
2 x PR200, PRM.230

Compatible third-party automation devices (if used):
Temperature sensors for water and air
Pressure transmitters

LEVEL CONTROL AND PUMP AUTOMATION FOR A MODIFIED STARCH PROCESS PLANT


Photo: illustration

Serbia

Investor/End-User:
Startch industry

System Integrator:
IOS-Inženjering

Object:
Plant for modified starches

Year of Implementation:
2025

Industry:
Food and beverage

The project was implemented in 2025 in Serbia for starch industry at a plant for modified starches within the food and beverage industry. System integration was carried out by IOS-Inženjering. The project was executed in a process plant environment.

The main objective was the control of filling and emptying of the condensate tank. The task included monitoring the level in the storage tank, automatic start of the product discharge pump, and prevention of dry pump operation.

The controller performs real-time measurement and compares the measured value with defined thresholds. Based on this comparison, the system automatically initiates or stops the discharge pump. In low-level conditions, the system blocks pump operation to prevent dry running and activates alert functions.

The system measures the product level using a level meter. According to the measured value, the controller manages pump operation and ensures controlled filling and emptying cycles. The automation also enables emergency system monitoring and remote overview of system status.

The installed equipment includes an akYtec PR100 controller. The solution is integrated with a SITRANS LR100 level meter and a Weintek operator panel. Compatibility between akYtec equipment and third-party devices enabled straightforward installation and integration within the existing process structure. The controller, level meter, and operator interface function together as a unified system.

The project was completed on time, and the equipment operates in accordance with the defined technological process. According to our clients: „The system started working from day one and has already proven reliable and cost-effective. Thanks to the akYtec team for their support!“.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
PR100

Compatible third-party automation devices (if used):
Level meter SITRANS LR100,
Weintek operator panel

AIR HANDLING UNIT AUTOMATION FOR BEVERAGE DISTILLERY, KOLARI

Serbia

Investor/End-User:
Kolari
beverage
distillery

System Integrator:
Kip automatika — Malošište, Niš

Object:
Beverage distillery
Kolari

Year of Implementation:
2025

Industry:
Food and beverage



Photo: illustration

The project was implemented in 2025 in Serbia for a beverage distillery in Kolari. System integration was carried out by Kip automatika from Malošište, Niš. The project covered the automation of a climate chamber within the facility.

The main objective was the automation of the air handling unit in order to maintain the required air temperature in the tasting restaurant area. The system measures air temperature using temperature sensors.

Based on the measured values, the controller regulates the heat pump, dampers, fans, and circulation pumps. The automation ensures coordinated operation of all components in order to maintain defined temperature conditions within the space.

The installed equipment includes an akYtec PR200 controller. The solution is integrated with third-party air temperature sensors. Compatibility between the akYtec controller and external measurement devices enabled straightforward installation and configuration within the existing thermotechnical system.

All components operate as a unified control structure without conflict between manufacturers so the project goal related to the realization of thermotechnical installations was achieved.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
PR200

Compatible third-party automation devices (if used):
Air temperature sensors

MONITORING AND CONTROL SYSTEM FOR SERVER HALL AT KOMERCIJALNA BANKA AD SKOPJE



Photo: illustration

Macedonia

Investor/End-User:
Komercijalna
Banka
AD Skopje

System Integrator:
Kabtel DOOEL

Object:
System hall/
Server hall

Year of Implementation:
2025

Industry:
HVAC

The project was implemented in 2025 in Macedonia for Komercijalna Banka AD Skopje. System integration was carried out by Kabtel DOOEL. The project covered the monitoring and control of the bank's system hall/server hall within the IT sector.

The main objective was to establish continuous monitoring of temperature in the system hall, supervision of UPS status and fire alarm state, and control of the lighting and ventilation systems.

The task required reliable real-time data acquisition, automated control functions, and structured remote supervision of critical infrastructure. The automation system includes monitoring of environmental and technical parameters within the server hall. In parallel, the system enables scheduled control of ventilation and lighting systems, as well as monitoring of additional system states.

Emergency system monitoring ensures that critical alarms are immediately registered and transmitted.

The installed equipment includes an akYtec PR103 Ethernet-enabled mini-PLC, SMI200 programmable compact controller, PASB-60.24 basic power supply unit, and a DTS125L-Pt1000.2W.60 temperature sensor. The project was completed on time, and the equipment operates reliably within the defined operational framework.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
PR103 + SMI200 + PASB-60.24 + temperature sensor DTS125L-Pt1000.2W.60

AUTOMATION OF CONDENSATE TANK CONTROL AT THE MODIFIED STARCH PRODUCTION PLANT

Serbia

Investor/End-User:
Startch industry

System Integrator:
IOS-Inženjering

Object:
Plant for modified starches

Year of Implementation:
2025

Industry:
Food and beverage



Photo: illustration

The project was implemented in 2025 in Serbia for starch industry at a plant for modified starches in the food and beverage industry. System integration was carried out by IOS-Inženjering. The project was executed within a process plant environment.

The main objective was the control of filling and emptying of the condensate tank. The task included enabling automatic or manual management of condensate tank emptying, along with reliable level monitoring and pump control.

The automation system provides real-time measurement and monitoring of the product point level in the tank. Based on threshold comparison and defined logic, the controller performs automated decision-making for pump operation. The system enables both automatic and manual control modes for tank emptying, ensuring operational flexibility within the process. Emergency system monitoring is included, with alerts generated in low-level conditions. Remote monitoring and system status overview are also provided.

The installed equipment includes an akYtec PR100 controller. The solution is integrated with a third-party point level vibrating switch Nivelco.

Compatibility between akYtec equipment and external level measurement devices enabled straightforward installation and integration within the existing process plant. The controller and field device operate as a unified system.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
PR100

Compatible third-party automation devices (if used):
Point level vibrating switch Nivelco

AUTOMATION OF PUMP CONTROL SYSTEM AT JKP VODOVOD ILINDEN PUMP STATION



Photo: illustration

Macedonia

Investor/End-User:
JKP
Vodovod Ilinden

System Integrator:
Kabtel DOOEL

Object:
Pump
station

Year of Implementation:
2025

Industry:
Water supply

The project was implemented in 2025 in Macedonia for JKP Vodovod Ilinden within the water supply sector. System integration was carried out by Kabtel DOOEL. The project covered automation of a pump station facility.

The main objective was to establish automatic and manual control of pumps in the pump station. The task required reliable starting and stopping of pumps, continuous monitoring of pressure and water level, supervision of pump functionality and error states, and graphical display of operating parameters.

Measured parameters include pressure, water level, and pump status. Based on these inputs, the controller manages pump operation and provides structured monitoring of system performance. The automation ensures stable control of pumps and coordinated operation within the pump station.

The installed equipment includes an akYtec PR205 controller and PASB-60.24 power supply unit. The solution was integrated within the existing infrastructure of the pump station.

Compatibility of akYtec equipment enabled straightforward installation and implementation of the control system.

The project goals were achieved. After automation, the workload for workers was reduced due to automated pump control and continuous system monitoring. The system was realized efficiently and in a timely manner.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
PR205, PASB-60.24

AUTOMATION OF HVAC AND UTILITY SYSTEMS AT JFE INĐIJA PRODUCTION COMPLEX

Serbia

Project Name:
JFE Inđija

Investor/End-User:
KONSTRUKTOR KONSALTING DOO Beograd

Facility:
JFE
Production Complex
for manufacturing metal
parts for electric motors.

Year of Implementation:
2025

Industry:
HVAC



Photo: illustration

In 2025, an automation project was completed at the JFE production complex in Inđija, Serbia. The end user was KONSTRUKTOR KONSALTING DOO Beograd, and the system integration was carried out by Metronik Inženjering d.o.o. Beograd. The facility manufactures metal parts for electric motors.

The project included automation of climate chambers, cooling towers, ventilation systems, and consumption measurement. The system provides centralized control, supervision, and signaling of the automated processes.

The solution was implemented in a multi-brand environment using Honeywell and JCI equipment in combination with akYtec I/O modules, connected to a Honeywell controller. This confirms compatibility of akYtec devices with other established automation brands.

The installed akYtec equipment included MU110-24.8R, MK110-24.8D.4R, MK210-311, and MV110-24.16D I/O modules, used for distributed signal acquisition and control via RS485 and Ethernet communication.

The project was completed and put into operation in 2025. The implemented system ensures stable management and monitoring of key technical infrastructure within the production complex.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
MU110-24.8R, MK110-24.8D.4R, MK210-311, MV110-24.16D

AUTOMATION OF TECHNICAL SYSTEMS AT PWO ČAČAK PRODUCTION COMPLEX



Photo: illustration

Serbia

Project Name:
PWO Čačak

Investor/End-User:
KONSTRUKTOR KONSALTING DOO Beograd

Facility:
PWO production and business complex in Čačak

Current Project Stage:
Under construction

Year of Implementation:
2025

Industry:
BMS

In 2025, an automation project was initiated at the PWO production and business complex in Čačak, Serbia. The end user is KONSTRUKTOR KONSALTING DOO Beograd, and the system integration is carried out by Metronik Inženjering d.o.o. Beograd.

The project is currently in the implementation phase. The scope of automation includes ventilation systems, a compressor station, a heat substation, and integration of KNX, DALI, and energy consumption measurement systems. The automation system provides centralized control, supervision, and signaling of all integrated processes.

The solution is implemented in a multi-brand environment using JCI and EasyIO equipment. A combination of EasyIO and akYtec controllers is used together with akYtec I/O modules, confirming compatibility and reliable integration with other automation brands.

The installed akYtec equipment includes MU210-402, MV110-24.16D, MV110-24.32DN, MV210-204, MV210-212 I/O modules, PR103.24.3.2 programmable relays with PRM.24.1 extension module, and a PD100-G-016B-2-7 pressure transmitter. Communication is realized via RS485 and Ethernet interfaces for distributed signal acquisition and control.

The project demonstrates coordinated integration of ventilation, energy monitoring, and technical infrastructure systems within an industrial production complex, with emphasis on interoperability between akYtec devices and third-party brands.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
MU210-402, MV110-24.16D, MV110-24.32DN, MV210-204, MV210-212 PR103.24.3.2, PRM.24.1, PD100-G-016B-2-7

AUTOMATION OF HVAC SYSTEMS AT VRTIĆ OVČA

Serbia

Project Name:
Ovča
Kindergarten

Investor/End-User:
TEMING
Electrotechnology
Niš

Facility:
Vrtič Ovča

Year of Implementation:
2025

Industry:
HVAC


Photo: illustration

In 2025, an automation project was completed at the Vrtič Ovča facility in Serbia. The investor and end user was TEMING Electrotechnology Niš, and system integration was carried out by Metronik Inženjering d.o.o. Beograd. The project focused on automation of air handling units and the heat substation, ensuring reliable operation of HVAC processes within the building.

The implemented system provides centralized control, supervision, and signaling of all key HVAC functions. It enables stable operation of climate control processes, continuous monitoring of system parameters, and clear visibility of equipment status for operators. The automation logic ensures coordinated interaction between different subsystems, maintaining required operating conditions across the facility.

The solution was realized using a combination of EasyIO and akYtec controllers, confirming compatibility and synchronized operation between devices from different manufacturers. This multi-vendor setup allows flexible system design while maintaining reliable performance and straight-forward integration within the building infrastructure.

Two akYtec PR200.24.4.2 programmable relays were installed as part of the system. These devices form the core of the control structure, managing process logic, monitoring system states, and supporting stable operation of HVAC equipment. The implementation demonstrates effective cooperation between control platforms and confirms the applicability of akYtec devices in mixed environments.

The project was successfully completed, delivering stable control, system transparency, and reliable operation of HVAC processes within the facility.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
2x PR200.24.4.2

MONITORING SYSTEM FOR SOLAR INSTALLATIONS IN PUBLIC FACILITIES



Photo: illustration

Macedonia

Investor/End-User:
Elrad
Energy

System Integrator:
Kabtel DOOEL

Object:
Public object, primary school, secondary school, kindergarten, sport hall, municipality of Radoviš

Year of Implementation:
2025

Industry:
Renewable energy

In 2025, a monitoring project was implemented in Macedonia for Elrad Energy. The system integrator Kabtel DOOEL delivered the solution for solar installations installed on public facilities, including a primary school, secondary school, kindergarten, sports hall, and the Municipality of Radoviš. The project was carried out in the solar industry and focused on centralized monitoring of photovoltaic systems.

The main task was to monitor the operational state of solar inverters and the amount of electrical energy generated, with the ability to generate reports. The system provides real-time measurement and monitoring, remote system status overview, and a mail notification system. Integration was performed with the Genesis64 SCADA system.

The monitoring platform collects and processes key operational parameters, including active and reactive power, daily power, DC input power, grid frequency, inverter status, inverter efficiency, inverter temperature, insulation resistance, and CO_2 reduction data. These parameters are continuously updated and made available.

The solution is based on akYtec equipment, including the mini-PLC PR103, PASB-60.24 power supply unit, and GG-24-Cloud network gateway. The system enables remote access through akYtec Cloud, allowing parameters to be checked from any location.

The project goals were achieved. The system ensures timely updates of all monitored parameters and stable communication between devices and inverters. According to the integrator's feedback, data acquisition was fast, connections were stable, and the project was completed smoothly and on time.

According to our client: "The project execution went smoothly, as we received the data from the inverters quickly and the connection between the devices was stable and smooth."

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
PR103 + PASB-60.24 + GG-24-Cloud

CLIMATE CONTROL SYSTEM FOR THE AMPHITHEATER AND MUSEUM AT MONASTERY LELIĆ

Serbia

Investor/End-User:
Serbian Orthodox Church, Eparchy of Valjevo Serbian Orthodox Monastery of Saint Nicholas Lelić, Valjevo

System Integrator:
Kip automatika — Mališište, Niš

Object:
Lelić Monastery — Lelić, Valjevo

Year of Implementation:
2026

Industry:
HVAC



Photo: illustration

In 2026, a climate control automation project was implemented at Manastir Lelić in Valjevo, Serbia. The investor and end user was the Serbian Orthodox Church, Eparchy of Valjevo, for the Monastery of Saint Nikolaj. The system integration was carried out by Kip automatika from Mališište, Niš.

The project covered the air-conditioning of the amphitheater and museum spaces within the monastery complex. The objective was to ensure stable environmental conditions suitable for visitors and for the preservation of artifacts stored in the museum area and depot.

The automation system controls climate chambers and maintains the required air temperature and humidity in the amphitheater, museum space, and artifact storage area.

The system continuously measures air temperature and relative humidity and regulates the operation of control valves, dampers, and fans to maintain defined setpoints. Two PR200 controllers form the basis of the control system. The solution integrates air temperature sensors.

Relative humidity transmitters as third-party devices, confirming compatibility of akYtec controllers with external measurement equipment.

The project resulted in the realization of the thermo-technical installations for the facility. The implemented system provides controlled environmental conditions and reliable operation of the HVAC equipment within the monastery complex. The solution demonstrates compatibility, ease of installation, and ease of programming, within a technically coordinated system delivered in cooperation with the system integrator.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
2 x PR200

Compatible third-party automation devices (if used):
Air temperature sensors
Relative humidity transmitters

AUTOMATED FLOOR HEATING CONTROL AT DV ZELINA

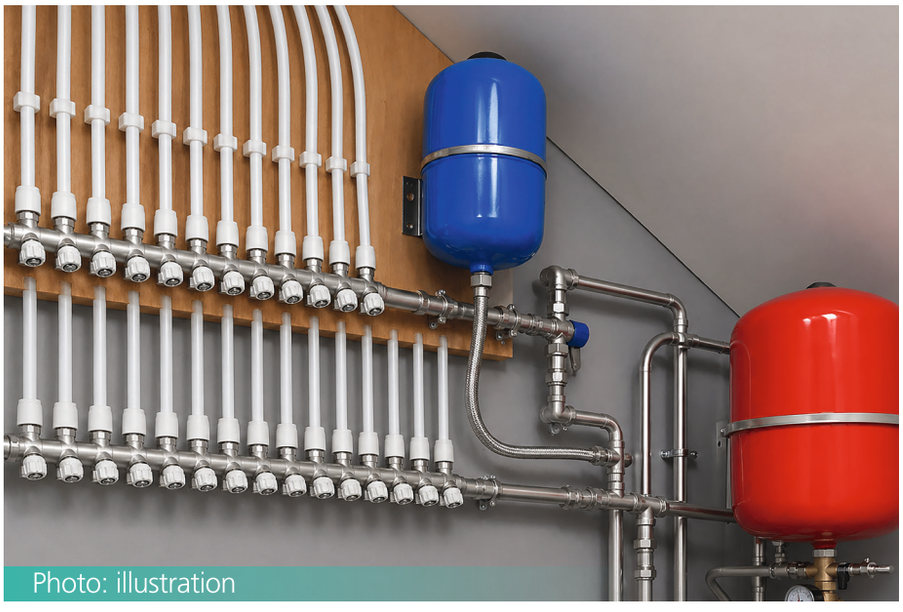


Photo: illustration

Croatia

Investor/End-User:
Municipality
of Zelina

System Integrator:
Autel d.o.o.

Object:
DV
Zelina

Year of Implementation:
2025

Industry:
BMS

In 2025, an automation project was implemented at DV Zelina in Croatia for the Municipality of Zelina. The system integration was carried out by Autel d.o.o. The facility operates in the education sector and required automated temperature control for kindergarten rooms.

The main task was automated control of indoor temperature through a floor heating system. The solution provides temperature control and monitoring based on continuous measurement of air temperature and floor temperature.

The automation system performs real-time measurement and monitoring of temperature values. The measured parameters are compared with predefined thresholds, and automated decision-making logic. Scheduled control of actuators (solenoid valves) ensures that heating operates according to defined time programs.

The installed equipment includes the PR200.230.2.2 programmable relay with PRM.230.2 extension module. The system operates as an integrated control solution for the heating circuits within the facility. The project confirms reliable and stable automated temperature management in an educational building.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
PR200.230.2.2 + PRM.230.2

CONTROL OF AIR RECUPERATION UNITS AT SHOPPING CENTER IN PRELOG

Croatia

System Integrator:
Autel d.o.o.

Object:
Shopping center
in Prelog

Year of Implementation:
2025

Industry:
HVAC



Photo: illustration

In 2025, an automation project was implemented at a shopping center in Prelog, Croatia. The system integration was carried out by Autel d.o.o. The facility operates in the commerce sector and required controlled operation of air recuperation units.

The main task was regulation of mixing dampers for fresh, recirculated, and exhaust air, as well as frost protection of the air recuperation units. The system also includes temperature control and monitoring to ensure stable operating conditions.

The automation system performs real-time measurement and monitoring of air temperature and differential pressure. The measured values are continuously compared with predefined thresholds, enabling automated decision-making for frost protection of air recuperation units. Scheduled control of actuators ensures coordinated operation of the ventilation process.

Damper actuators are controlled by the system to regulate air mixing ratios and maintain required temperature conditions.

The solution is based on the PR200.230.2.2 programmable relay, which forms the core of the control structure.

The implemented system provides stable management of the air recuperation units within the shopping center. The project confirms compatibility, ease of installation, ease of programming, and reliable operation of akYtec equipment in commercial HVAC applications.

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
PR200.230.2.2

Compatible third-party automation devices (if used):
Air temperature sensors

CONTROL OF AIR RECUPERATION UNITS AT SHOPPING CENTER IN BUZET



Photo: illustration

Croatia

System Integrator:
Autel d.o.o.

Object:
Shopping center
in Prelog

Year of Implementation:
2025

Industry:
HVAC

In 2025, an automation project was implemented at a shopping center in Buzet, Croatia. The system integration was carried out by Autel d.o.o. The facility operates in the commerce sector and required reliable control of air recuperation units.

The main task was regulation of mixing dampers for fresh, recirculated, and exhaust air, together with frost protection of the air recuperation units. The system also provides temperature control and monitoring to maintain stable operating conditions.

The automation system performs real-time measurement of air temperature and differential pressure. The measured values are continuously compared with predefined thresholds, enabling automated decision-making for frost protection of air recuperation units. Scheduled control of actuators ensures coordinated operation of the ventilation process.

Damper actuators are controlled to regulate air mixing ratios and maintain required temperature levels.

The control solution is based on the PR200.230.2.2 programmable relay, which forms the core of the automation system.

The implemented system provides stable and controlled operation of the air recuperation units within the shopping center. The project confirms compatibility, ease of installation, and reliable performance of akYtec equipment in commercial HVAC applications. According to our client: “The project was completed on time, and the equipment demonstrates reliability and ease of use.”

EQUIPMENT USED FROM AKYTEC

List of akYtec equipment:
PR200.230.2.2



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