DOMAT
MEMBER OF CEZ ESCO

NEWS LETTER

Autumn 2025

Energy under control

Dear business partners,

Autumn brings not only shorter days and colorful leaves but also a fresh dose of inspiration, technical updates, and opportunities to connect. There's always something happening at Domat — from new products and software updates to webinars designed to help you manage buildings and technologies more efficiently.

In this issue, we'll look back at a successful season of trainings and events, introduce new products and software improvements, and invite you to upcoming webinars and trade fairs where you can meet us in person.

Whether you are a designer, integrator, or technician in operation — we believe you'll find something here to make your work easier and your projects even more successful.

Thank you for being part of the Domat community.

We look forward to many more seasons together — not just the autumn ones.

Team Domat Control System

NEWS

Domat IDE

In the latest Domat IDE versions 2.7.0.3 – 2.7.0.7, we have introduced a number of improvements and fixes that have significantly enhanced system stability. A complete list of changes is available in the release notes for each version, but we would like to highlight several key additions:

- Support for the IEC 60870-5-104 communication protocol, enabling remote and reliable monitoring of, for example, photovoltaic power plants over standard IP networks

- New platform w750-8112

- A Modbus configurator with Address View, Replicate Value, Serial Scanner, and TCP Scanner, as known from ModComTool

- Bulk write to multiple variables for more efficient data handling

- Syslog protocol in CEF format for advanced logging of PLC system messages

- Certificate management, allowing certificates to be uploaded to the PLC for subsequent verification of encrypted communication

- Export/import to a Modbus server device

Domat VISUAL

The new version Domat Visual 2.7.0.5 is here – and what's new in it?

- Fix of alarm log download, where when communicating with multiple PLCs (50+) a problem could occur with downloading the entire alarm log

- Fix of page caching, where when caching is enabled variables are read from all PLCs, otherwise only from the current page

- Fix of SSCP communication, where multiple HT3xx communicated with each other

- Fix of the released update in order to remove incorrect loading of the application after the update

ARTICLES

What is a Data Point

The term **"data point"** is a fundamental element when designing and specifying measurement and control systems — and control systems in general — used to determine the system's size. From the perspective of a programmable controller or software, we are not particularly concerned whether the controlled pump at a heat exchanger has a power output of 250 W or 2 kW, or whether the valve on the heating branch connected to the controller output has a DN 25 or DN 80 fitting. What matters is the type of control signal required for its operation.

The signals connected to the inputs and outputs of the control system determine the types and quantities of these inputs and outputs — that is, the data points. From the designer's point of view, a data point is an input or output of the control system, such as a measured temperature, humidity, or gas concentration; a signal indicating level status; a relay for switching a fan or pump; or an output for controlling an air-handling damper. The number of data points defines the size of the control system. A typical heat-exchanger station may contain 20–50 data points, a larger boiler room with heating circuits 200–300 data points — and an entire building up to several tens of thousands of data points.

MiniPLC and data recovery

The MiniPLC process stations have been with us since 2006. Although they were removed from the range and stopped being actively sold a few years ago, they are still working on several thousands of projects. After almost twenty years, however, every device is approaching the end of its life, and this PLC is no exception. Because Domat strives for maximum investment protection for its customers, we try to keep these devices running as long as possible. Let's take a closer look at the MiniPLC and see what preventive measures can be taken against data loss and what to do if a MiniPLC starts having problems.

The following text concern these types: **IPLC200**, **IPLC300**, **IPLC201**, **IPLC301** and **MXPLC**. These are process stations with the Beck IPC operating system. The standard way of working used the development environment SoftPLC IDE and its Platform Config part, which is a dialog that allows detecting the PLC in the network, setting its IP address and other parameters, and uploading the application software including the definition of the menu for the LCD display, or the definition of the serial Modbus server and websites for the built-in web server. Other tools were in fact not needed for communication with the PLC.

WHERE WE'VE BEEN AND WHERE YOU'LL SEE US

Summer Roadshow Recap

This summer, we met with our customers during the **Domat Roadshow**, where we presented product updates, changes in our portfolio, and shared real-world experiences. It was a great opportunity not only to discuss technical topics but also to meet in person and enjoy some friendly conversations over good refreshments.

We truly appreciate everyone who found the time to join us despite the busy pre-holiday period. Your feedback is invaluable and helps us steer the development of new products and software in the right direction.

Watch a short video recap
from the Roadshow

**If you couldn't make it this year,
we hope to see you next time!**

Domat at ELEC EXPO 2025

At the end of November, we're heading to Casablanca to take part in **ELEC EXPO 2025** – Morocco's premier trade fair focused on electrical engineering, automation, and energy solutions.

Domat Control System will be part of the official Czech Pavilion, where we'll showcase our products and systems for building control, energy management, and industrial automation.

Our presentation will also include daily technical demonstrations, giving visitors a closer look at how our technologies help optimize energy use and support sustainability.

26–29 November 2025
Casablanca, Czech Pavilion

We look forward to meeting partners and new customers from the region — and to exploring new opportunities for international collaboration.

elec expo

REFERENCES

We are proud that Domat Control System took part in the project Optimization and Energy Efficiency Improvement of Buildings in the Municipality of Křenovice.

Our solution included complete energy consumption monitoring and management, with all data clearly visualized and managed through our visualization interface.

We are even more delighted that the Municipality of Křenovice won 3rd place in the nationwide competition Green Municipality of the Year 2025!

We look forward to more sustainable projects that help save energy and protect our planet.

Planetarium

Domat ensures perfect climate in the world's largest LED dome

After extensive modernization, the Prague Planetarium has become one of the most attractive cultural and scientific venues in the Czech Republic. Every week, thousands of visitors come to enjoy fascinating projections in the world's largest video dome, measuring 22 meters in diameter. The technology, with more than 12,000 LED panels and 45 million diodes, delivers an unparalleled experience – and requires top-class technical support. The comfortable climate and stable conditions are maintained by intelligent software developed by Domat Control System.

Smart control for maximum comfort

The LED panels generate more than 70 kW of heat output, which poses a major challenge for cooling and ventilation. Domat therefore supplied a control system capable of integrating three heat pumps, two gas boilers, five air-handling units, and six geothermal boreholes into a single efficient whole. Nearly one hundred sensors continuously monitor the current state, and the software automatically adjusts operation to ensure optimal temperature and air quality in the halls.

Thanks to the intuitive interface, planetarium staff can easily manage the systems. If necessary, interventions can also be carried out remotely, ensuring quick problem resolution and smooth operation.

TRAINING

23. 10. 2025
Advanced Domat IDE Training

6. 11. 2025
Modbus communication

13. 11. 2025
Training of BMS designers

13. 11. 2025
Domat IDE for beginners

20. 11. 2025
Domat IDE for beginners

4. 12. 2025
Advanced Domat IDE Training

You can find the programs for each training session **HERE**.

Please register by emailing **skoleni@domat.cz**.

Also follow our **news** and **calendar of events**, where we will inform you in time about any changes or newly announced dates. News regarding not only training can also be found on our social networks:

DOMAT SUPPORT ON WHATSAPP

Customer support is important to us and we try to constantly improve it and adapt it to your requirements. To make it even easier for you to communicate with our technical support, we have set up **WhatsApp: +420 732 806 418.**

YOUTUBE TUTORIALS AND FAQ

The technical support section on our website is regularly updated with new articles and instructions. The same goes for our **Youtube channel**, which we are also trying to expand with new tutorials. If you are solving a certain problem and you are looking for a specific solution, don't forget to study our FAQ and videos.

MARKETING

Marketing Survey 2025

We're launching the 2025 Marketing Survey to better understand the needs of our partners and enhance our mutual collaboration. Your experience and feedback are a valuable source of inspiration that helps us improve our services and grow together. Thank you for helping us move forward.

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