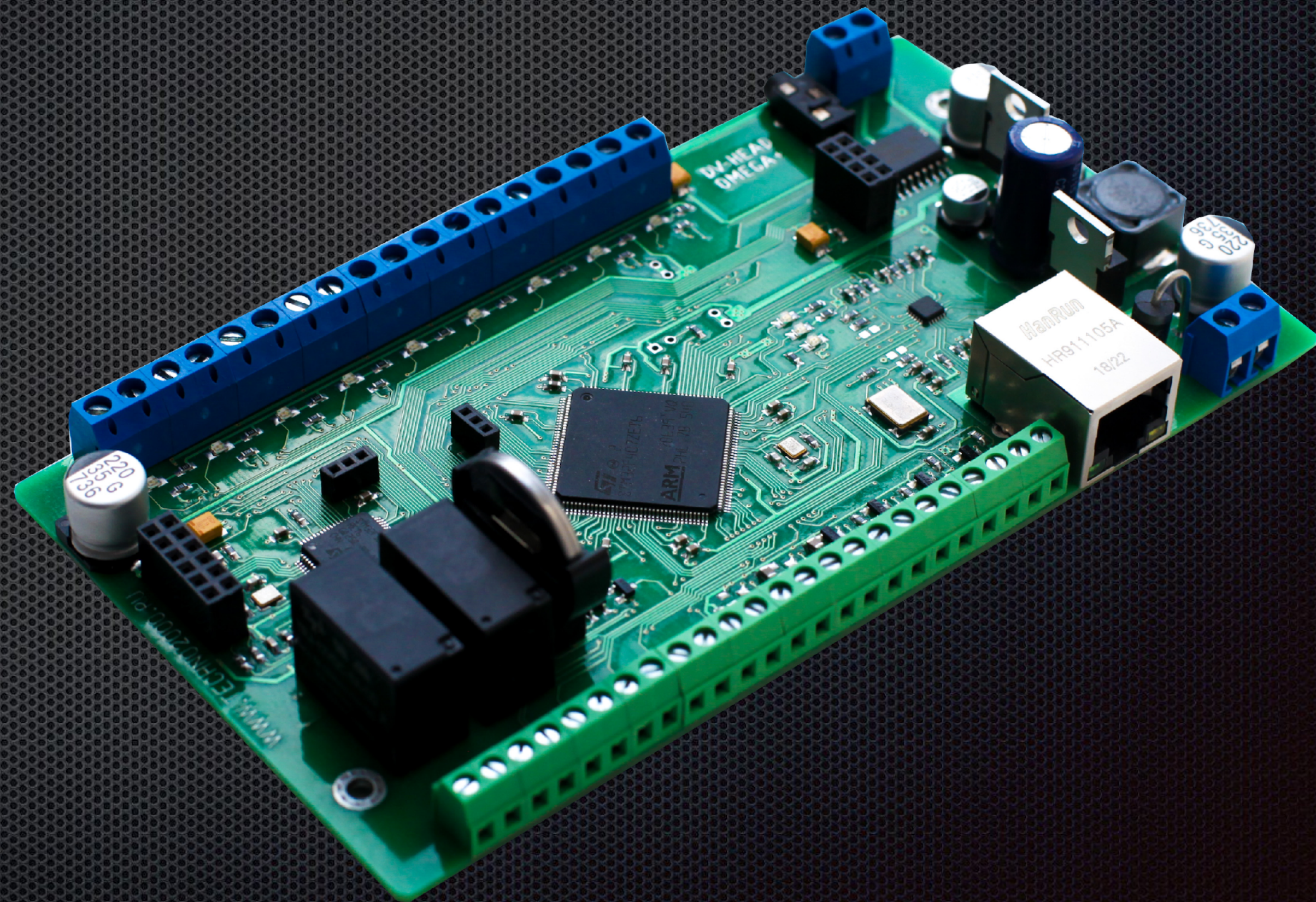


DVC Technologies

DVC Head Family Controllers

DVC Head Galaxy Controller



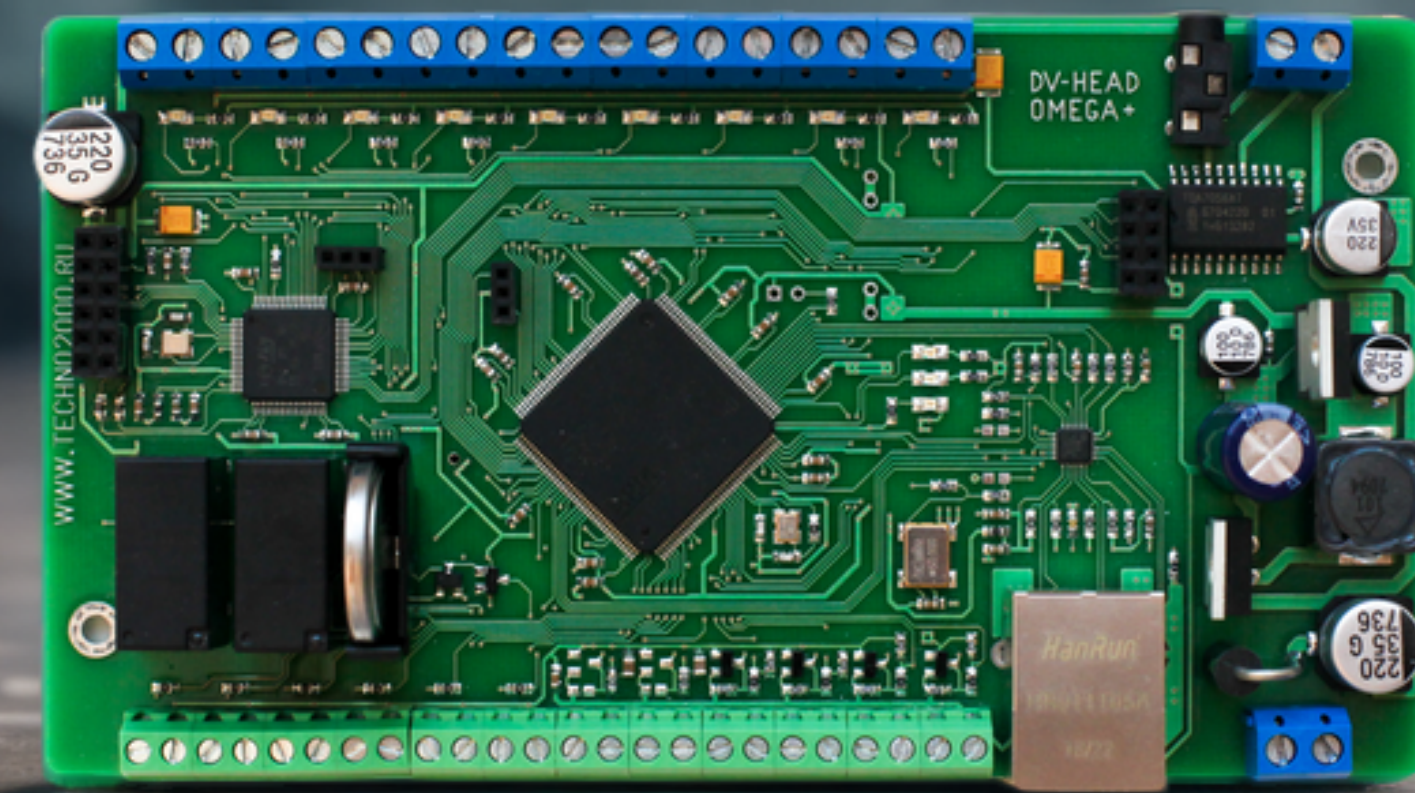
- DVC Head Galaxy

DVC Technologies

DVC Head Galaxy Controller

Description

- **DVC Head Galaxy** is a multifunctional, freely configurable central controller based on the STM32 F407 and F103 microcontrollers. The controller is configured in special **Division Constructor** software and is connected and controlled from the **DVC CLOUD**
- **DVC Head Galaxy** has 8 RS485 ports (with the ability to connect up to 32 peripheral controllers per port) and has 2 relays, 2 ADCs and 6 discrete inputs on board. Has a clock and voice module.
- **DVC Head Galaxy** can be used as part of the **DVC CLOUD** system or in stand-alone mode.



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DVC Head Galaxy Controller

- **DVC Head Galaxy** receives data about the object from peripheral controllers, many of which are also actuators, as shown in the diagram
- Detailed characteristics of this unique controller are given in the technical description
- The controller's capabilities are practically limited only by your imagination. It can freely solve automation problems for an entire enterprise.



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DVC Head Galaxy Controller

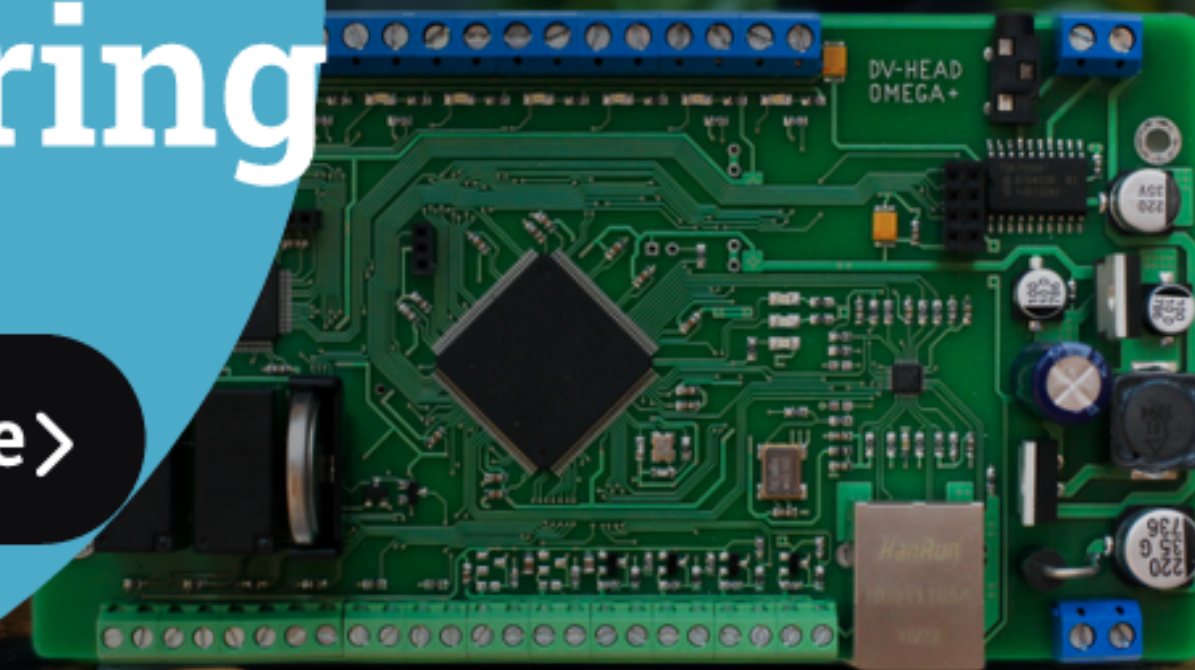
- **DVC Head Galaxy** is powered by a standard 12V source, the number of connected external controllers is up to 256, has 1 LAN PORT, 1 TCP Client and 8 built-in TCP servers
- Structurally, the modem is housed in a housing for installation on a 9DIN DIN rail



Central controller DVC Galaxy

Technological process monitoring

[DVC Cloud service >](#)



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DVC Head Galaxy Controller used as a central controller in tasks such as:

- Dispatch systems for industrial enterprises of various types, office and industrial buildings
- **Monitoring and remote control of industrial installations:** Monitoring temperature, vibration and other equipment parameters for timely detection of faults.
- **Monitoring and optimization of production processes:** Collect and analyze data on the operation of equipment, including conveyor lines, to improve efficiency, plan maintenance and prevent downtime.
- **Product quality control:** Monitoring parameters at all stages of production to identify and eliminate defects in real time.



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DVC Head Galaxy Controller used as a central controller in tasks such as:

- **Monitoring the condition of workplaces and labor protection:** Monitoring working conditions, temperature, humidity and lighting to ensure comfortable and safe working conditions. Monitoring the operation of dangerous equipment and timely warning of potential threats.
- **Environmental Monitoring:** Track emissions, noise and other environmental indicators to meet regulatory requirements and reduce negative environmental impacts.
- **Industrial and home automation:** Flexible system configurability allows you to control a variety of equipment from different manufacturers.
- **Automatic control of HVAC systems** (heating, ventilation, air conditioning) as part of dispatch systems



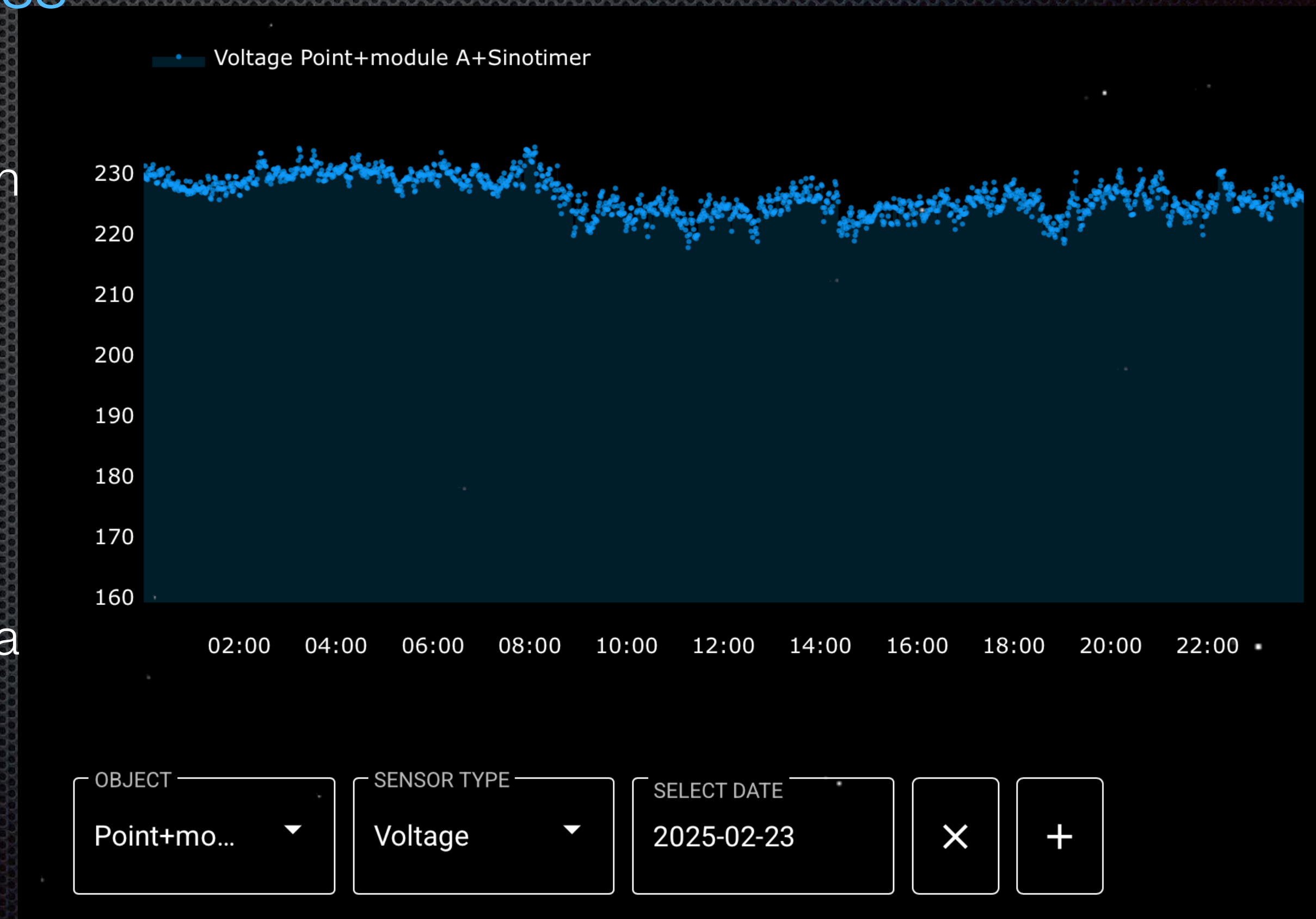
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DVC Head Galaxy Controller

Works as part of the **DVC Cloud** cloud complex for monitoring and controlling industrial equipment.

Intuitive interface and remote control access

- The main area of application of this controller is working in conjunction with the **DVC CLOUD**
- You get a convenient interface, work with maps, connect dozens of your objects into one account, delegate powers to assistants, distribute powers between them, and much more.
- All information, management, event log, are available via a web interface from anywhere in the world
- Important notifications are archived in your email



DVC Technologies

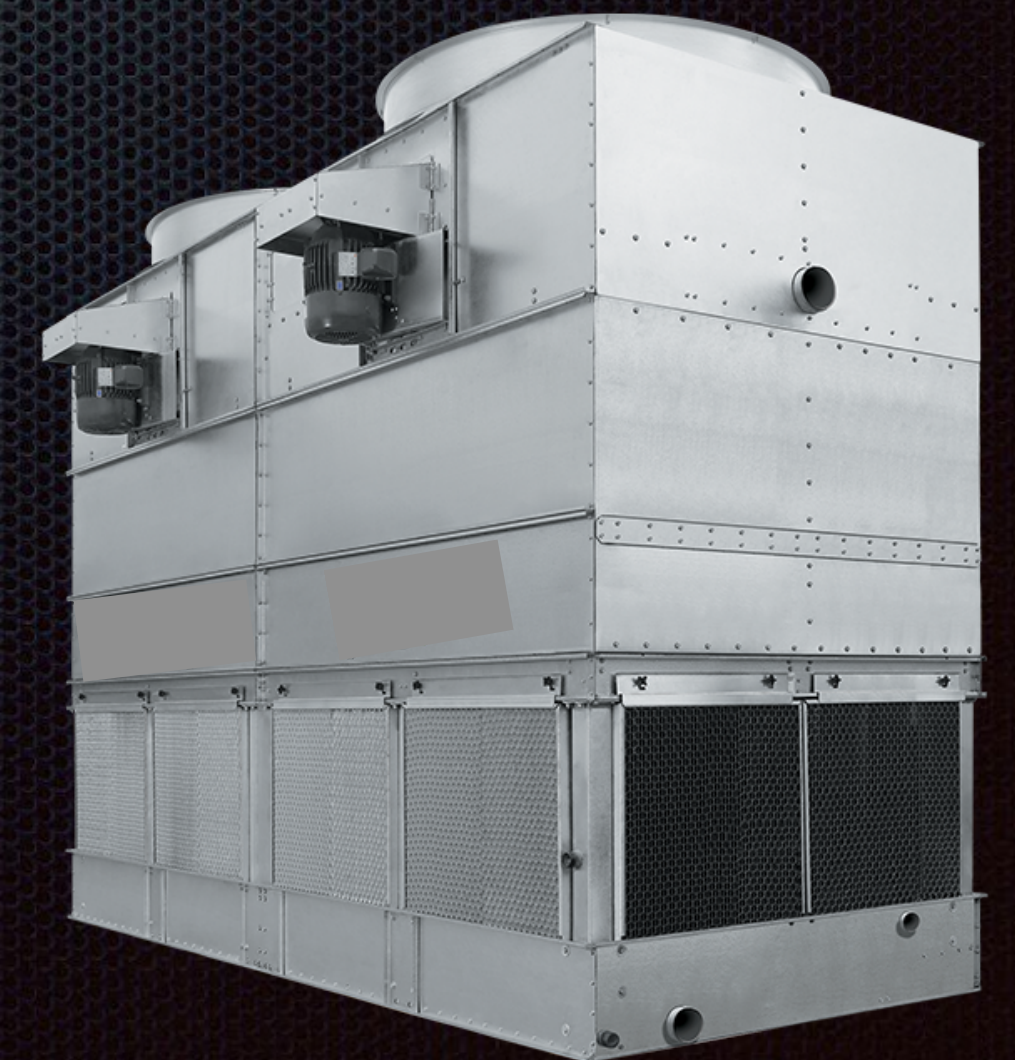
DVC Head Galaxy Controller

How does this work?

- **DVC Head GALAXY** sends data from sensors and other parameters of your object every second to the DVC CLOUD
- We use **DVC Head family** controllers
- Algorithms, according to the loaded configuration, generate control commands for actuators, or manual control commands from mobile devices are sent to the **DVC Head GALAXY** controller, and then to peripheral controllers, or even directly control the equipment.
- Cloud platform visualizes data (dashboard or graphics), user makes decisions



DVC Head Galaxy



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DVC Head Galaxy Controller

Flexibility and scalability

- The **DVC Head Galaxy** controller connects to your site and the **DVC Cloud**, making it easy to add new sites and devices
- The connection is made after configuring the system. Due to the fact that the tasks assigned to **DVC Head Galaxy** are usually voluminous, a stage of designing and configuring the system is necessary
- Remote update and configuration support for the **DVC Head Galaxy** family of controllers makes the system more flexible and advanced.
- Staff training usually takes several days.

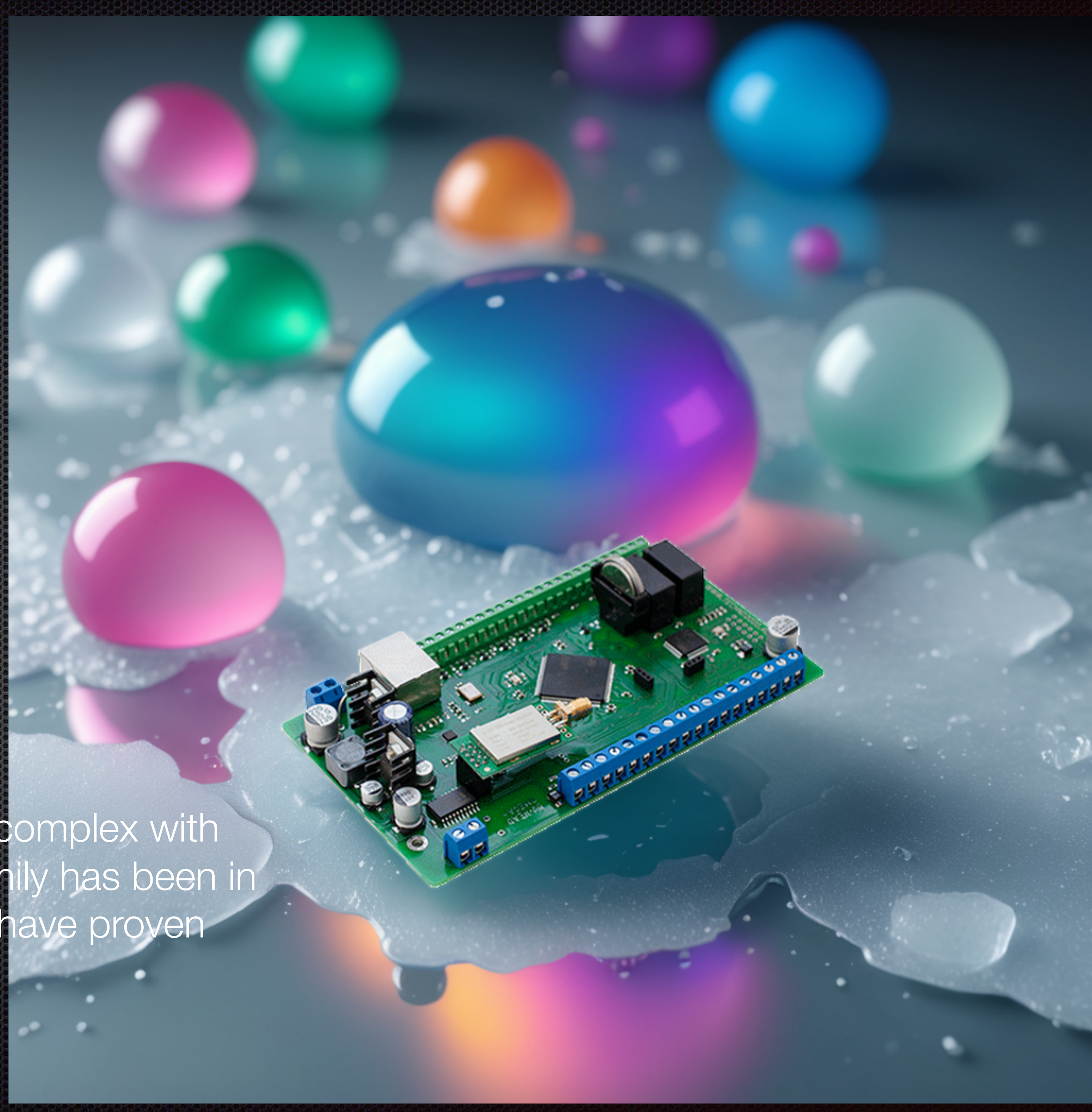


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DVC Head **Galaxy** Controller

Reliability!

- The **DVC CLOUD** hardware and software complex with controllers from the **DVC Head Galaxy** family has been in operation and tested for several years and have proven themselves to be reliable devices.



DVC Technologies

DVC Head Galaxy Controller

Financial model:
transparency and convenience

- Payback of the solution is from 1 to 6 months due to reduced maintenance costs and energy consumption
- Flexible payment system:
- Purchase with technical support with the opportunity to test the equipment for a month
- SaaS model (subscription) with the ability to scale without initial investment
- Pilot project – an opportunity to test the system at one site before large-scale implementation



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DVC Head **Galaxy** Controller

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DVC Head Galaxy Controller

Using DVC Head Galaxy!

will give you something you didn't even know you needed!

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