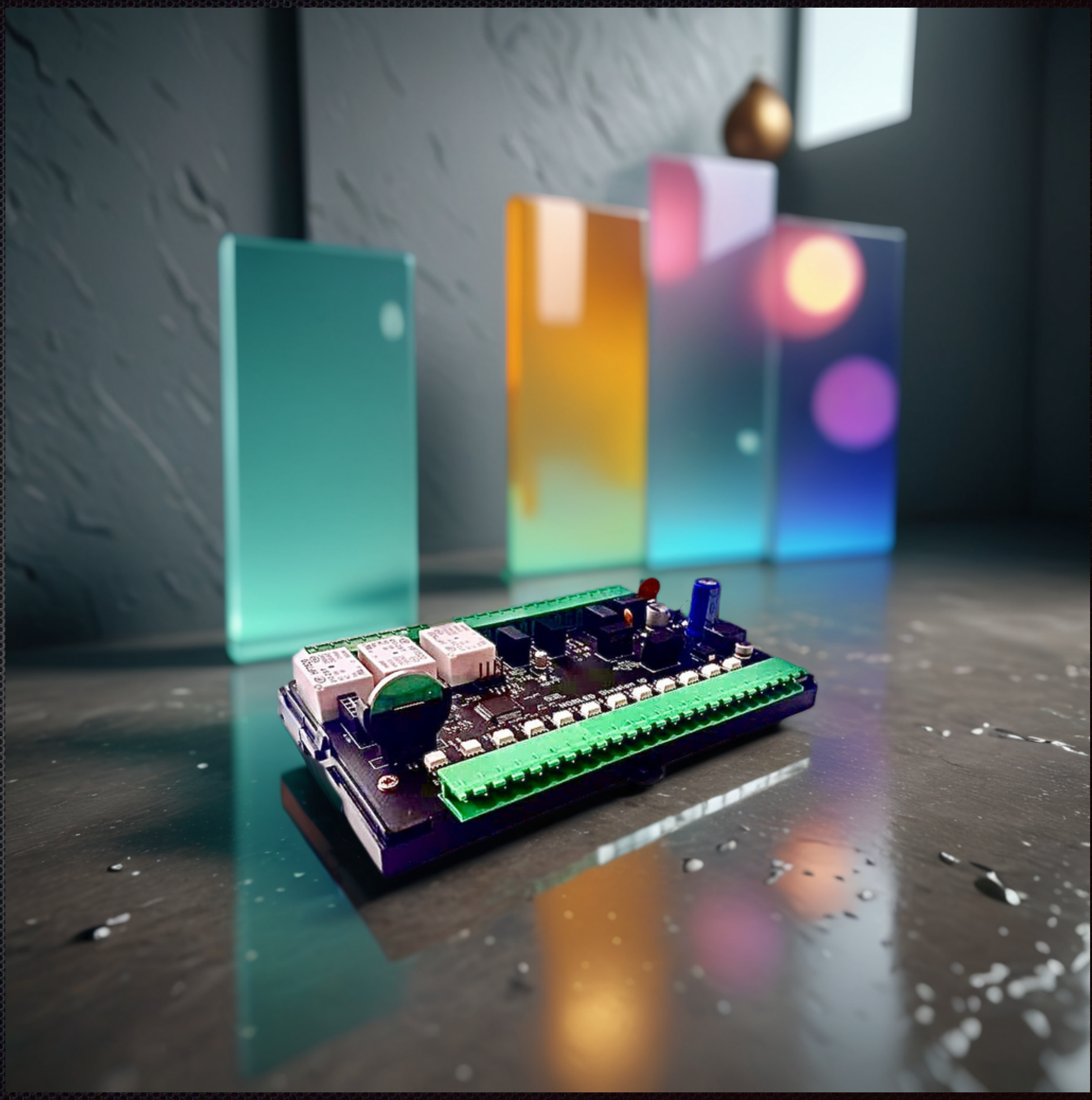


DVC Technologies

DVC Energy Controller

- DVC Head Energy

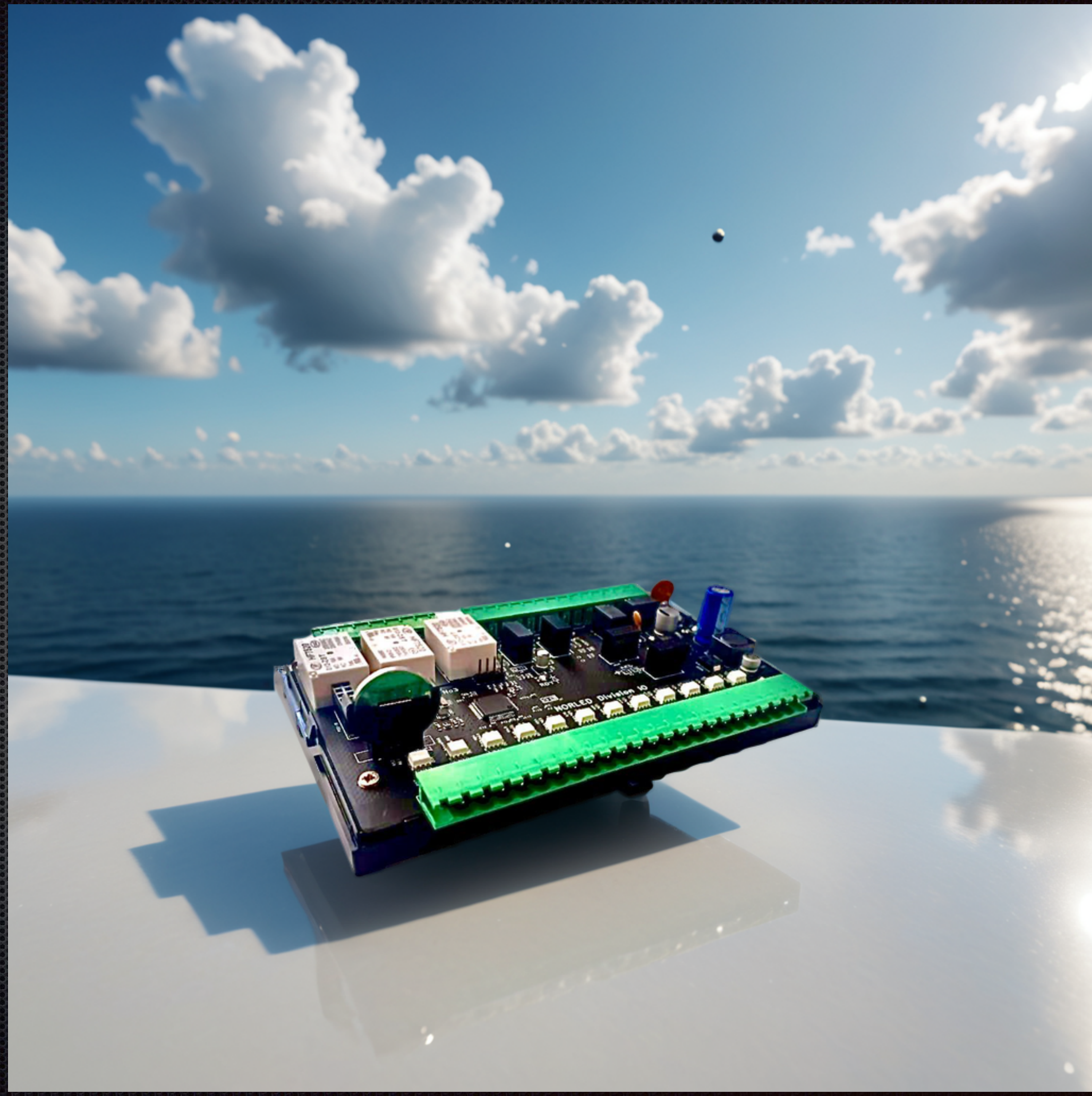


DVC Technologies

DVC Energy Controller

Description

- DVC Energy is a central controller based on STM32 F103 microcontrollers. The controller distributes energy supply to the load according to a schedule.
- The schedule is downloaded to the controller from the DVC Energy Cloud as well as the software of the controller itself.



DVC Technologies

DVC Energy Controller

How does this work?

- The DVC Energy controller transmits electricity meter readings and the state of its inputs and outputs to the DVC Energy Cloud every 5 minutes or more often if there have been changes in their state.
- The controller can control three electric starters according to a schedule. There is a memory module on board where readings are recorded when there is no connection with the cloud.



DVC Point

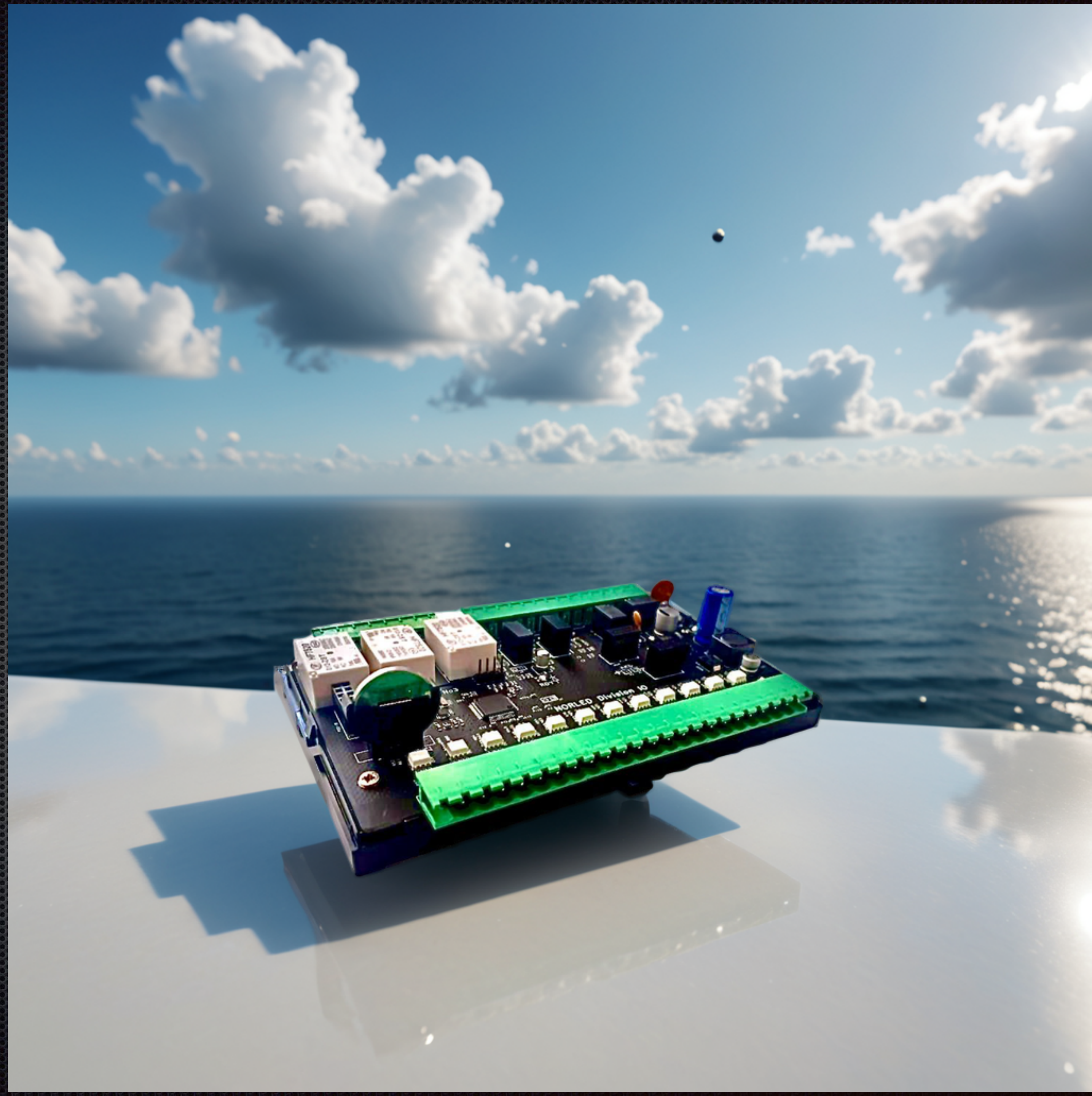
DVC Energy



DVC Technologies

DVC Energy Controller

- DVC Energy has 3 isolated RS485 ports for connecting a DVC Point modem, an electric meter, as well as for configuration and monitoring. DVC
- DVC Energy has 5 relays on board, and 22 discrete inputs DVC Energy is powered by a 12V source, an uninterruptible power supply module with a 1.2 Ah battery is located on the board
- Structurally, the controller is housed in a housing for installation on a 9DIN DIN rail

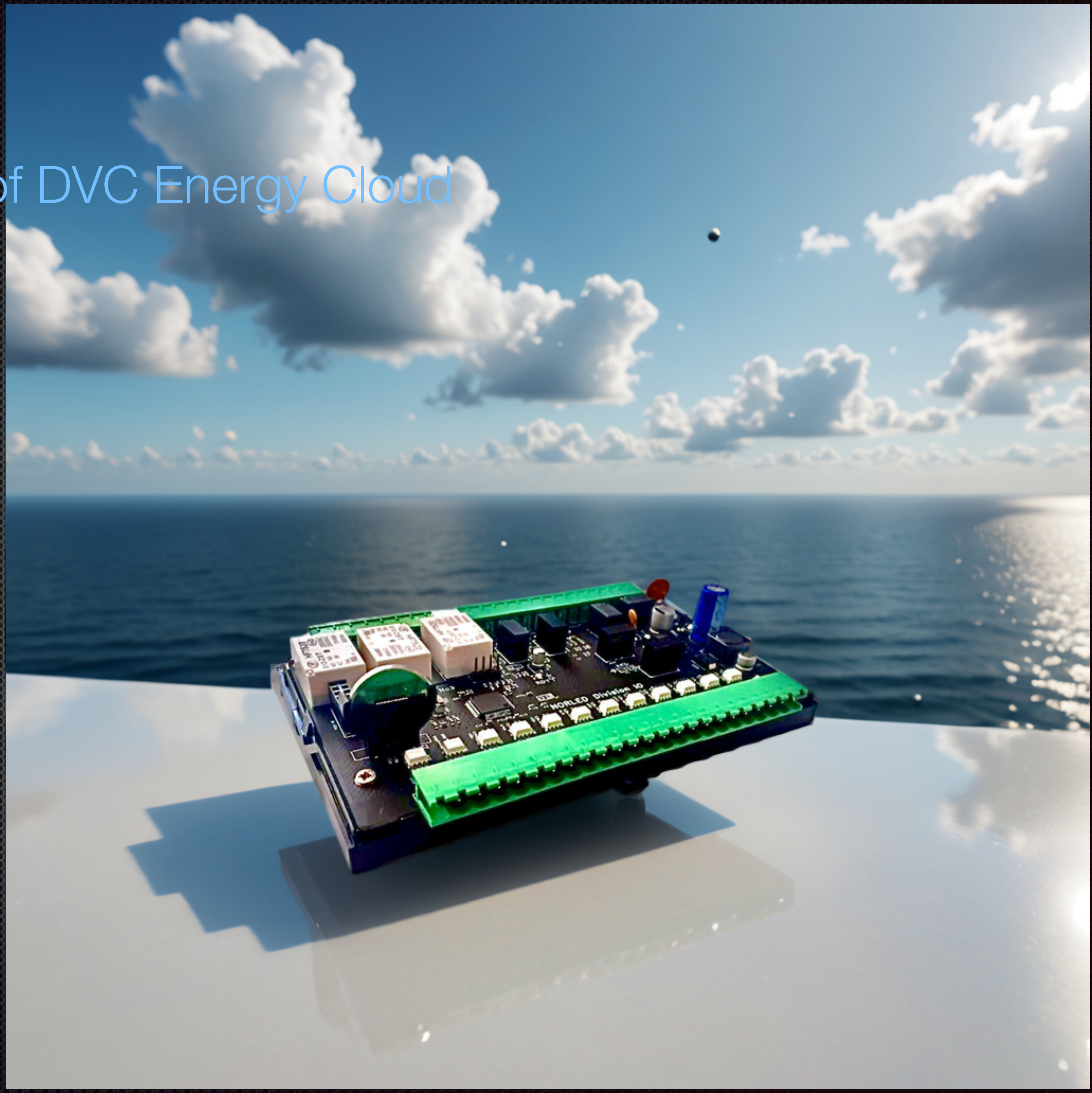


DVC Technologies

DVC Energy Controller as part of DVC Energy Cloud
used in tasks such as:

Where is it used?:

- Monitoring and remote control of industrial installations, on a schedule, city lighting control
- Control of lighting and power supply of construction sites, workshops, industrial premises with a certain operating mode.



DVC Technologies

DVC Energy Controller

Flexibility and scalability:

- The DVC Energy controller connects to the DVC Energy cloud, up to 1000 units per server, which allows you to solve quite extensive problems
- The connection is made after configuring and designing the system.
- Remote update and scheduling support for DVC Energy controllers makes the system flexible and even more advanced.
- Staff training usually takes several days.



DVC Technologies

DVC Energy Controller

Reliability!

- The DVC Energy Cloud hardware and software system with DVC Energy controllers has been in operation and tested for several years in many cities and has proven itself to be a reliable device.



DVC Technologies

DVC Energy 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



DVC Technologies

Using **DVC Energy** provides significant energy savings!

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