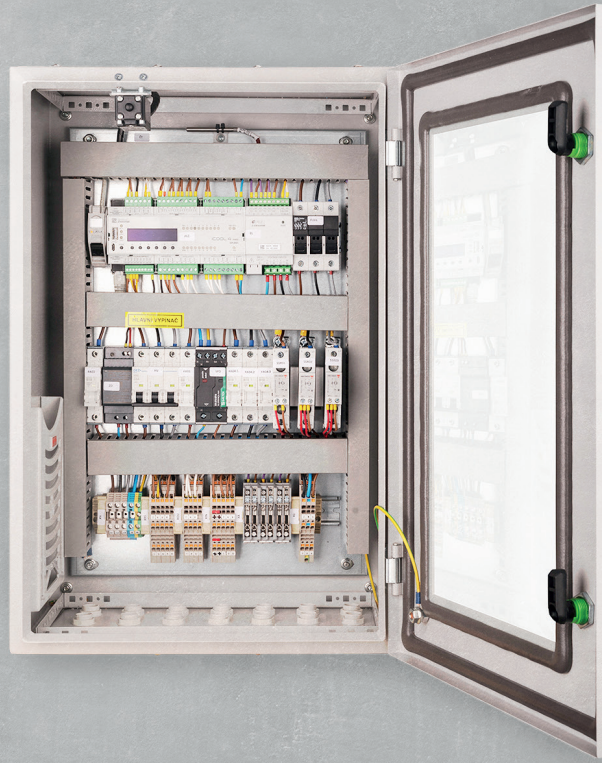




**Energo
Station**

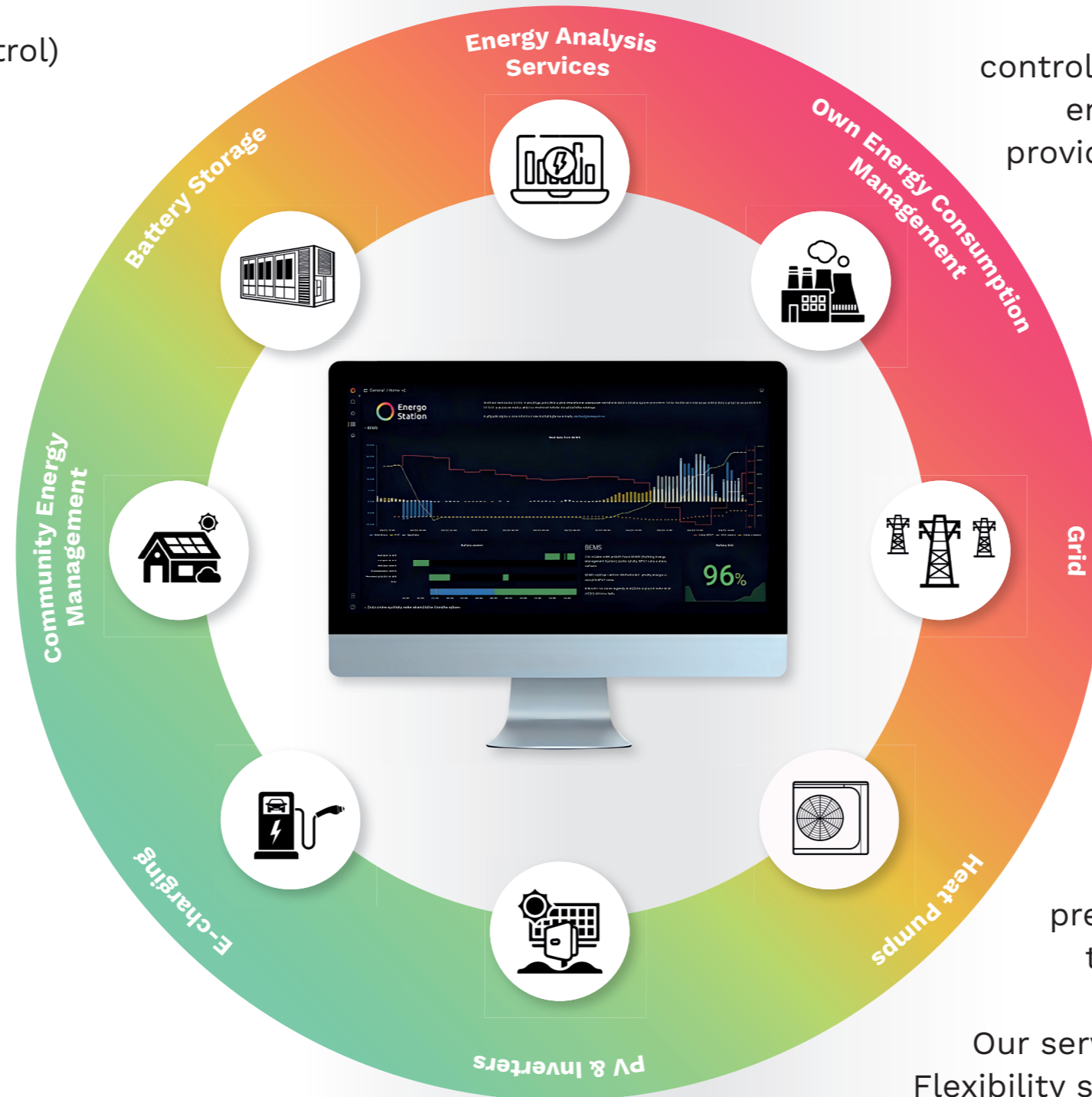


Energy Management Systems (EMS)

Complex
energy management
with predictive algorithms

Complex mix of EMS functionalities:

- Maximization of PV energy self-consumption
- Peak shaving (reserved capacity control)
- Energy trading mode (SPOT)
- Grid Dispatch Mode (RTU)
- Reactive power control
- Grid power enhancing
- Off-Grid mode
- Trade and Power flexibility control
- Export control (power supply to the grid)
- Time of use control (based on pricing tariffs)
- Energy consumption balancing (Energy Communities)
- Frequency Dependent Active Power Control (Large installations)



EnergoStation what do we solve:

PV PLANTS CONTROL

Even the single PV plants have to be controlled, minimizing the output at negative energy sell prices, same accounts when providing trade flexibility. At the same time, our solution offers the RTU functions for the distribution.

CONSUMPTION CONTROL

There is a significant energy cost reduction, when activating the usage at the time of own energy production or low energy prices. EnergoStation will control EV charging, production technologies or HVAC sources, managing usage within ¼ hour intervals.

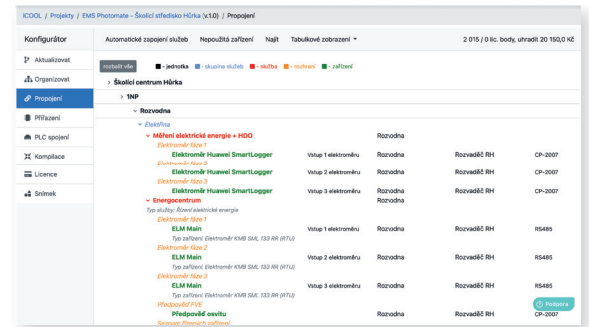
STORAGE CONTROL

iCOOL4's machine learning predictive algorithms, calculate and plan the most efficient use of energy based on various factors.

Our services include SPOT Market integration, Flexibility services, Off Grid scenarios and others, where storage plays critical role.

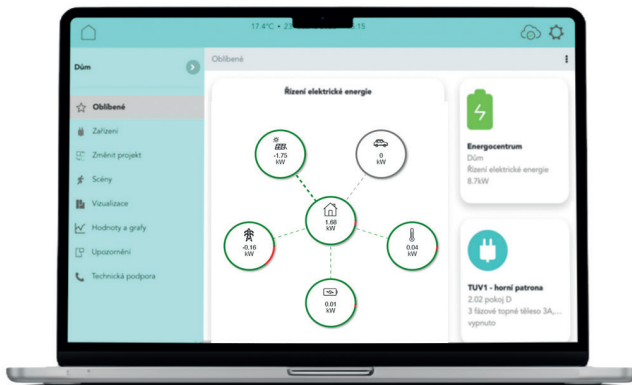
Project Configurator

- Creating a project in the web configurator
- No programming needed
- Automatically generated program for the PLC
- High security
- Projects and user configuration backup
- Project functionality monitoring



User Application

- Web application
- Mobile app for Android&iOS
- Intuitive
- Responsive
- Language mutations
- Sophisticated user permissions
- Great visualizations



Graphic Interface

- Logged data visibility
- Integrated alerts
- Customizable on customer level
- Own instance possibility (customer controlled)
- Creation and modification of the dashboards
- Access management
- Alert management
- Many graphic components available

