eEMS

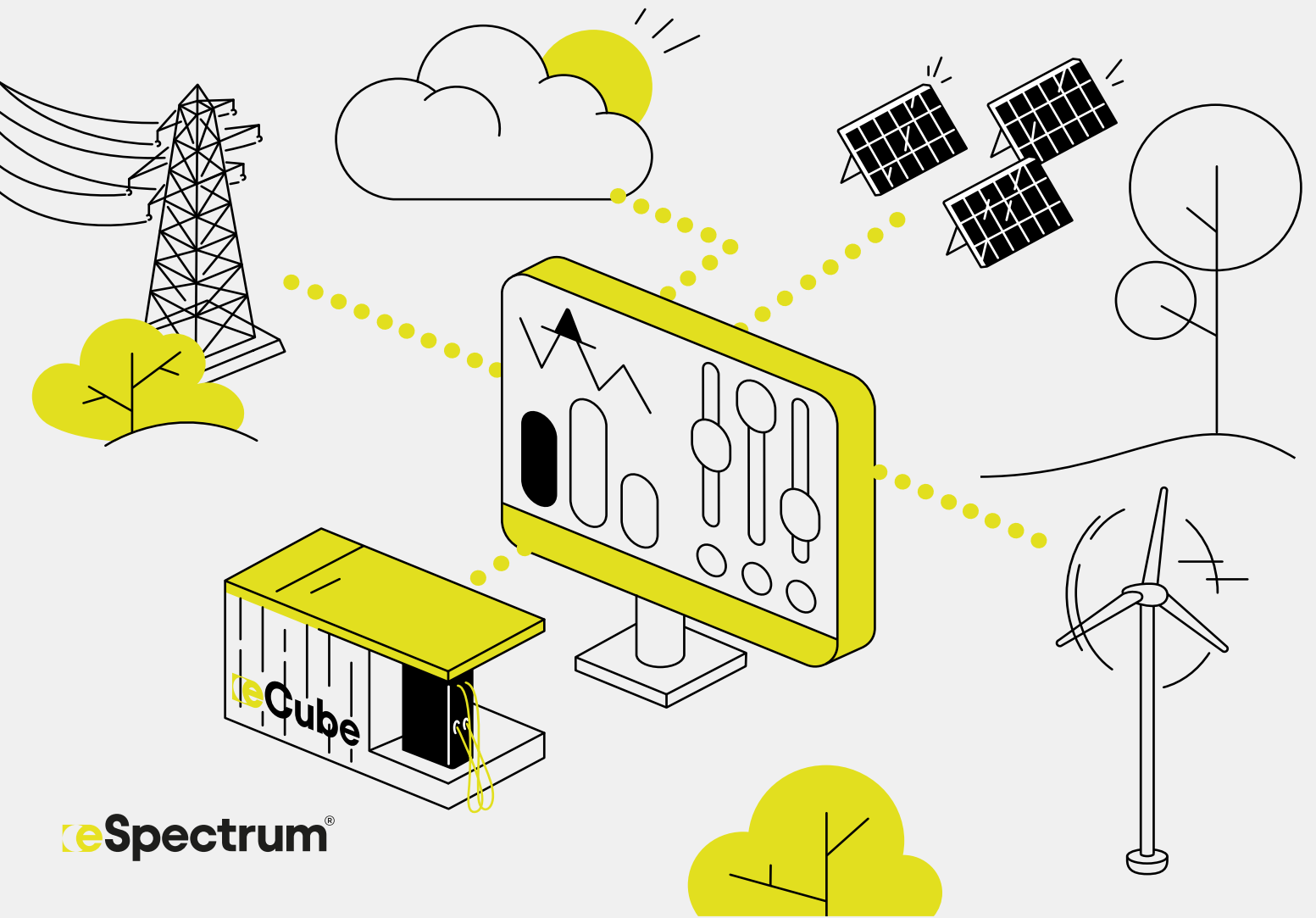**simplify energy. manage it.**
The eEMS Energy Management System provides insight into the production levels of your local energy network and the corresponding demand for electricity. At the same time, the eEMS takes into account key consumption data and uses this information to match the distribution of available energy to your needs, ultimately saving you money.

eSpectrum®

eSpectrum's Energy Management System gives you complete control over your local energy network. The eEMS ensures the optimal interaction between your energy generation facilities, energy storage, various consumers and the local grid connection.

The core software monitors the performance at the local grid connection and the energy reserve in storage, while optimising the energy flows within your network. This process incorporates consumption statistics and energy production forecasts, all with the aim of minimising energy exchange with the public grid.

Various software extensions are available to meet your specific needs. These plug-ins also allow you to further develop your local energy network.

Core Software Functions
→ Peak shaving
→ Monitoring & surveillance
→ Integration of 5 energy meters

Software Extensions

eEMS Plugins for Electricity Production/Consumption:
→ PV inverter
→ System services
→ Power quality

eEMS Plugins for Battery Storage:
→ Off grid
→ Self-consumption optimization

eEMS Plugins for Consumers:
→ Energy meters
→ Charging station, Modbus/OCPP 1.6
→ Controllable & regulated consumers
→ Weather data

Electricity Production/Consumption

Software Extensions

eEMS Plugin **PV inverter**

eEMS Plugin **System services**

eEMS Plugin **Power quality**

Core Software

eEMS

Peak shaving

Monitoring & surveillance

Integration of 5 energy meters

Battery Storage

eCube

eEMS Plugin **Off grid**

eEMS Plugin **Self-consumption optimization**

Consumers

eEMS Plugin **energy meters**

eEMS Plugin **Charging station, Modbus/OCPP 1.6**

eEMS Plugin **Controllable & regulated consumers**

eEMS Plugin **Weather data**