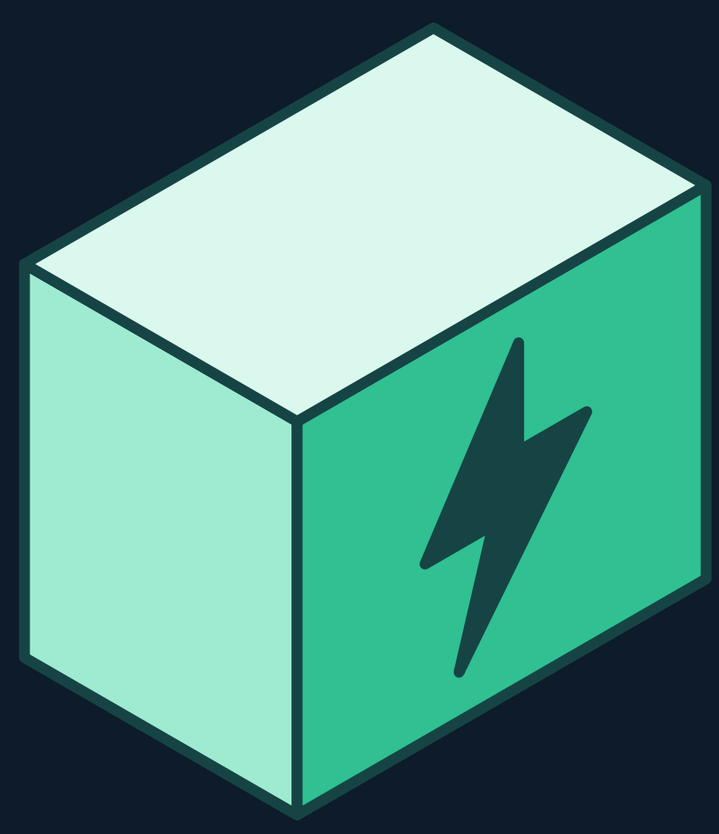
ENERGY MANAGEMENT

What is iniationEMS?

A solution that captures energy data right at the plant, puts it in context and makes it usable. The focused energy part of iniationOS.



PROBLEM

Many plants. Little overview.

Scattered sources

Meters, inverters, storage and controllers each speak their own language.

Values without context

A single number is not enough to decide on. It is unclear which plant it comes from.

Disconnected tools

Capture, control and reporting run in separate tools and add maintenance effort.

IN ONE SENTENCE

iniationEMS captures energy data at the plant, puts it in context and delivers it in one product.



HOW IT WORKS

Four steps from measurement to decision.

01

Connect

SWIFT-BOX captures data from meters, inverters and storage and connects plants via IEC 60870-5-104 (EZA).

02

Contextualize

Places data in the Unified Layer by park, plant and device. Access via UNS, MQTT, OPC UA or REST API.

03

Store and control

Stores time series and applies rules, for example for park controllers and setpoints.

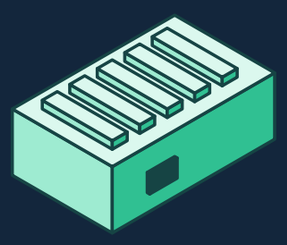
04

Deliver

Delivers dashboards, reports and data for grid operators, direct marketers and other systems.

ONE PRODUCT

Separate tools, one platform.



SWIFT-BOX

Edge device on site. Captures energy data and speaks IEC 60870-5-104 (EZA).



Unified Layer

One shared structure for all data, reachable via UNS, MQTT, OPC UA or REST API.



History

Stores time series and keeps them ready to query.



Dashboards

One view for everyone, from plant operator to management.

IN DEMAND THROUGH 2027

Four applications that are in demand.

01 **Cap load peaks** — NOW

Limit peaks in grid consumption and reduce grid fees.

02 **Self-generation and storage** — NOW

Match PV generation, storage and consumption.

03 **Grid connection of plants** — NOW

Connect and control plants cleanly for grid operators and direct marketers.

04 **Marketing flexibility** — 2027

Align loads and storage with electricity prices and grid signals.

ON YOUR INFRASTRUCTURE

Your data stays under your control.

iniationEMS is designed to run on infrastructure you control. You decide where data lives and who can access it. As part of iniationOS it can later grow with manufacturing and local AI.

Captured on site. Controlled by you.

UP NEXT

Get to know iniationEMS up close.

In the next posts we will show each step with examples.

Scan now

and learn more about iniationEMS.

iniationware.com