enel X

Maximize the value of Battery Energy Storage with Enel X DER Optimization Software

Keep Your Site Efficient with Enel X DER.OS

Enel X Distributed Energy Resources Optimization Software (DER.OS) is a **cloud-based** highly scalable energy management software system which enables users to monitor, communicate with and control their energy network, maximizing the value of **Distributed Energy Resources** (DERs) and in particular of Battery Energy Storage System (BESS).

Value Stacking

Bill Savings & Fee Management

Optimal BESS charge-discharge strategy via **AI** and **machine learning** forecasting algorithms.

Grid Revenue Generation

Access to network grid services and 24/7 connection with **Network Operations Center (NOC)**, Enel X's team of operational engineers, available for support.

Public Incentives

Access to **specific incentives** and incremental program **benefits**.

Key Features

Financial Reporting

- Fee information and site data collection every **5 minutes**.
- **Reports specifying bill savings** "before" and "after" installing a BESS
- **Ad hoc reporting** dividing bill savings.

Monitoring & Asset Management

- **Optimal performance** re-calculated **every 15 minutes**.
- **Real-time** system **performance monitoring** with data load and fee visualization.
- **Easy access** to all site reports and data.

Alerting and Data Accessibility

- **Alerting** functionality with active link to NOC for notification of unusual changes in savings, BESS malfunction alarms and data gaps.
- **Remote** or **on-site** intervention by NOC.
- **5-minute data backup** for all configured parameters for each device.

Hardware Platform

Hardware Platform

- DER.OS as an integrated offer of new **BESS HW** or as a complement of existing HW.
- Aggregation of multiple distributed energy resources creating a virtual power plant able to **operate efficiently** and **generating savings and profits**.
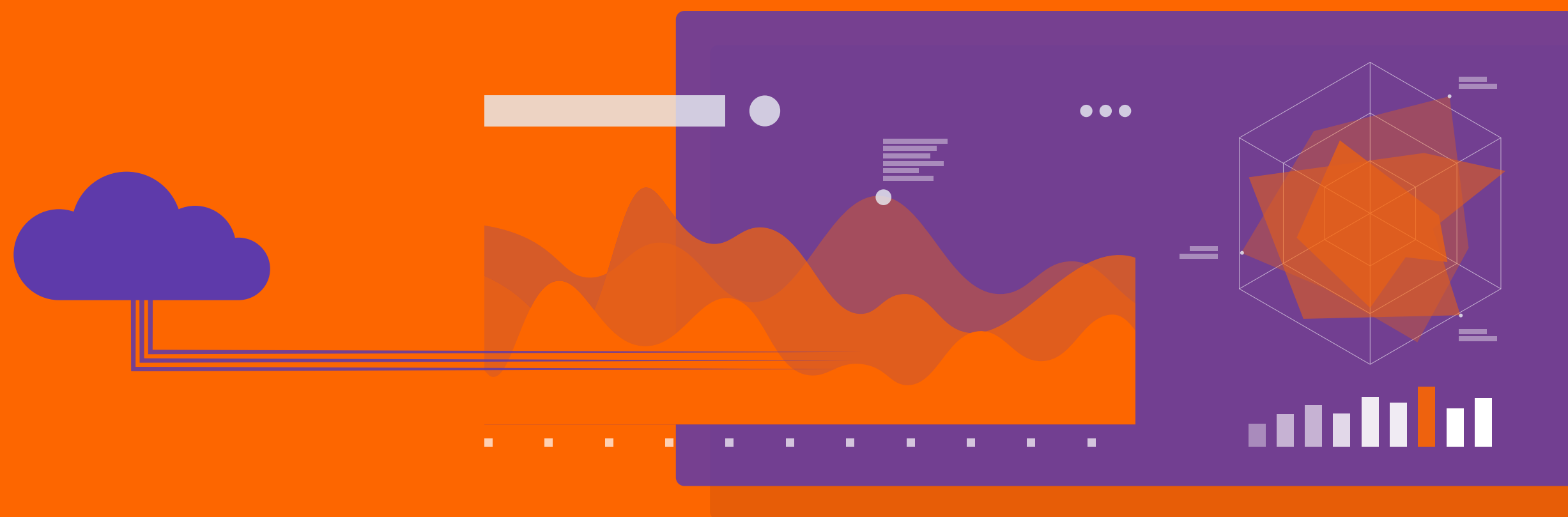
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Enel X holds a leading position among the **global system integrators** for energy storage solutions as recognized by Guidehouse Insights* - given its **customer-centric** approach and **platform-driven** infrastructure projects.

Discover the advantages Enel X DER.OS can bring to your business

1 We provide Software suitable and embeddable in the BESS, either by providing as an integrated solution of **BESS Hardware** equipped with DER.OS or by installing **DER.OS** as a complement to already existing Hardware.

2 Enel X, through the DER.OS platform, provides access to **flexibility markets** with a single interface service enablement.

3 Enel X assumes **end-to-end** operational responsibility. We guarantee optimal **Asset Management** (24/7 assistance + ordinary and extraordinary maintenance) and timely connection with our **Network Operations Centre (NOC)** for remote intervention on both Hardware and Sofware.

4 Clients can choose from many **financial options**, such as fixed-fee and benefit share (i.e. sharing of the benefits unlocked via DER.OS).