

Energy Community

We enable the management of Renewable Energy Communities (REC) and Collective Self-Consumption (CSC).

WHAT IS IT?

The Energy Community solution, part of Neta Open Suite, is Engineering's response to **support the energy transition** of a territorial community - Renewable Energy Community (REC), Collective Self-Consumption (CSC) - which independently produces and consumes electrical energy from Renewable Energy Sources.

The solution, delivered in **SaaS mode**:

- **supports** the entire life cycle of the Energy Community, from establishment to operation;
- is **easily usable** thanks to workflows and guided paths that reduce complexity;
- is **innovative** as it optimizes energy production and consumption with real-time forecasting.

WHAT DOES IT DO?

Energy Community supports the entire life cycle of the territorial community, from the Promotion/Engagement of its members to the Design phase, up to managing Commercial and Technical Operations, handling activities such as:

- **onboarding** community members through "guided paths";
- **supporting administrative requirements** for the establishment of the community;
- assisting in the process of **incentive management** provided by the Energy Services Manager (GSE) for community members;
- evaluating the **sustainability of REC** through simulation based on citizens' habits and Renewable Energy Source installations;
- analyzing **consumption habits** to promote actions that maximize the incentive.

HOW DOES IT WORK?

It manages the business processes related to the life cycle of a territorial community (REC/CSC):

PROMOTION / ENGAGEMENT

Member request/registration, census of POD (Point of Delivery), and data collection for profiling.

DESIGN

Community census, definition, and simulation of configurations.

AUTHORIZATION

Handling paperwork for managing COM delegations and GSE authorization.

TECHNICAL OPERATIONS

Verification of regulatory compliance, evaluation, and optimization of behaviors, configuration of curves and standard weight.

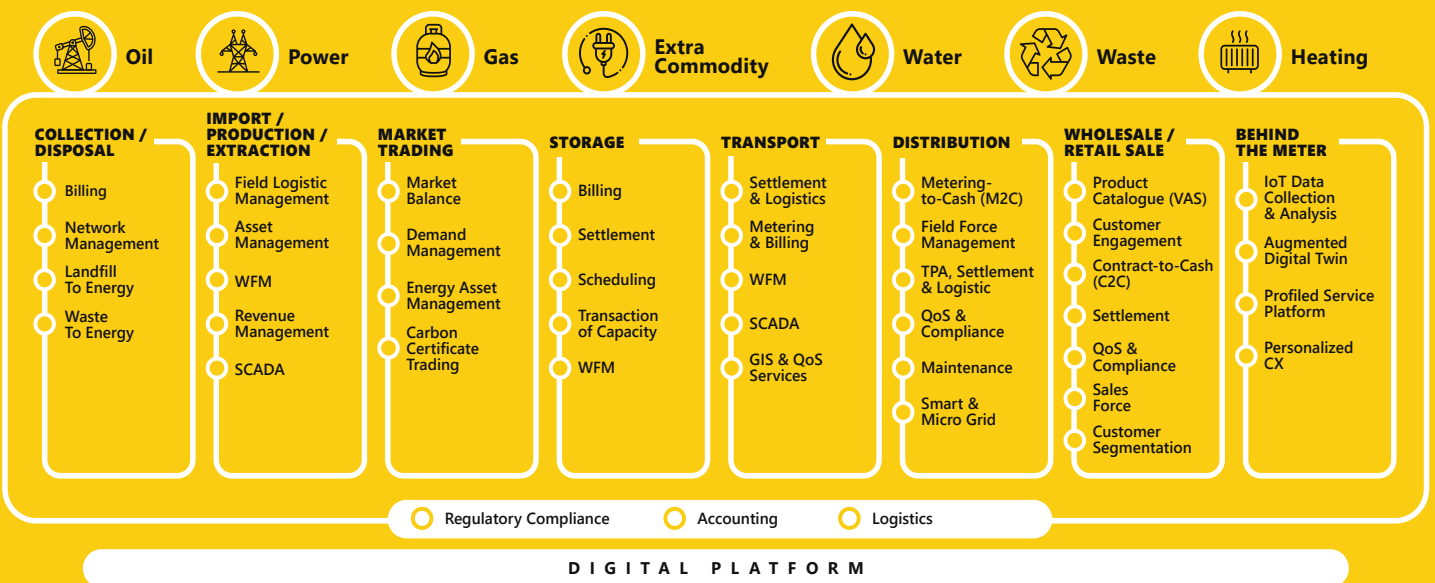
COMMERCIAL OPERATIONS

Registration and distribution of GSE incentives, management, and simulation of configurations.

AWARDING / EXECUTION

Activation of the community.

SMART ENERGY & UTILITIES: PORTFOLIO MAP



ENABLING SERVICES

Technology & Cloud Services

Business & User Services

IT Consulting

Mobile Applications

UX & Service Design

ENABLING TECHNOLOGIES

AI & Advanced Analytics

Cloud

Cybersecurity

IoT

Intelligent Automation (RPA)

AR / MR / VR

Blockchain

WHAT VALUE FOR OUR CUSTOMERS?



COMMUNITY MANAGER

- **Intelligent energy management**, optimizing energy production and consumption through predictive simulations;
- **Promotion of environmental and social sustainability**, enhancing the Manager's reputation;
- **Partnerships and collaborations** with local organizations to promote shared projects and new opportunities.



REC MEMBER / CONSUMER

- **Reduction of energy costs** through indicators based on estimated and/or real data;
- **Environmental impact reduction** through indicators on avoided CO2 emissions following ISPRA methodology;
- **Increased control** over energy production and consumption through data-driven decisions.



TERRITORIAL AUTHORITIES / MUNICIPALITIES

- **Promotion of renewable sources and community involvement**, disseminating achieved energy, economic, and environmental results;
- **Promotion of local employment**, assessing the opportunity to use incentives to support public interest initiatives.

SYSTEM BENEFITS

- **Improvement of electrical grid congestion**: maximizing the use of "local" energy, minimizing energy losses due to the obsolescence of the distribution network;
- **Ancillary Services Management**: inviting community members to temporarily modify their device usage habits (input and withdrawal) upon request from the TSO or DSO, as outlined in the Integrated Text of Electric Dispatching (TIDE) starting from 2025.

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