

Asema Smart Energy Solution

Connect. Control. Reward.

Current problem with smart energies



Locating &
Managing load

1



Managing permissions for
load optimization

2



Creating/managing
rewards and benefits to
voluntary consumer(s)

3



Linking different renewable
and non-renewable power
sources

4

"The dirty secret of clean energy is that while generating it is getting easier, moving it to market is not." - The New York Times

What is Asema Smart Energy Solution?

Asema Smart Energy solution tackles the problems of smart energies, and provide a complete solution allowing to **connect, control & reward**.

Asema Smart Energy solution is a combination of standalone 3 Asema products:

- Smart API
- Asema IoT Central
- Asema Adapt

What is Asema Smart API?

Smart API is a free, open source software development kit (SDK) which makes data flow between any IT systems easy, by creating smart and linked data.



- It define data using linked ontologies. Stored in format of graphs in DB.
- More attributes and relationships can be created, which offer a unique perspective to analyse your data.
- Smart API SDK features a range of predefined roles that let you set up a new entity in a network and get connected securely.
- Can connect and integrate with any data source or IoT Solution.

What is Asema IoT Central?

It makes the creation of connected data centric business applications easy, fast and secure. It is an integrated connectivity solution for IoT applications.

- It can be added on top of any distributed system, it runs at the central data collection point of any solution It can talk to any number of other central points, creating a grid architecture instead of a more traditional star or tree.
- Providing efficient applications for:
 - Smart Energy & Mobility
 - Smart Maintenance & Infrastructure
- Supports all relevant industry standards for external connectivity, offering native support for all database engines and intuitive control dashboards.



What is Asema Adapt?

Asema Adapt is an online service and app that can be used to set the prices of goods and services dynamically.

- Asema Adapt uses data collected by Asema to offer adaptive pricing models, rewards and benefits to the users
- Our merchant partners use them in sales of their goods and services, to alter their prices based on some set parameter.
- It can connect to various control and planning systems to acquire additional data relevant to pricing, and offer benefits or rewards.
- It is to build incentive systems that bring different societal boxes (left, right, conservative, liberal) closer together



What can Asema Energy Solution help in?



Manage/Help
transitioning
from one-way
systems to
energy clouds



Handle
permissions &
contracting of
energy loads



Offer
connectivity
with smart
meters, data
source, sensors,
servers, etc.



Offer effective
benefits &
reward to the
voluntary
consumers

Join a greener future now.

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