



# Connecting the Intelligent Energy Network



Enel X is one of the largest providers of energy intelligence software and services that empower business consumers to play an important role in the operation of the electric grid by reducing or shifting their electricity usage during peak periods in response to time-based rates or other forms of financial incentives.

## CHALLENGES

Enel X aggregates demand and energy supply, almost like a virtual power station, by brokering the demand/supply response between providers (utilities) and consumers (businesses) in real-time.

Enel X leverages Asavie SD IoT™ to provide the mission critical secure and private network connectivity capable of securely scaling connections between the thousands of industrial automation platforms, the telecoms' network and Enel X's cloud-hosted energy intelligence platform. Enel X needed to aggregate data of energy demand and supply, while interconnecting building automation and management platforms to the cloud.

*Asavie SD IoT™ provides an isolated network off the public internet, which gave us the confidence to connect our customers energy data to our cloud energy platform.*

Robert McGarry,  
Snr. Technology Manager, Enel X



## SOLUTION DEPLOYED

Enel X leverages Asavie SD IoT™, to securely scale energy demand response services across 1000s of industrial sites in Europe.

Asavie SD IoT™ delivered scalable private networks, with the ease of adding new data feeds.

Asavie SD IoT™'s network layer security policies permit only Enel X designated traffic flows in the private network.

The secure bi-directional connectivity of Asavie SD IoT™ provided support for IT and OT maintenance and management of systems over the lifecycle of a deployment.



Enel X partners with enterprises to reduce costs, manage risks, increase sustainability, and maximize the value of emerging energy technologies through customized energy management strategies. Enel X is the global leader in demand-side flexibility services, providing large energy users access to more demand response and demand management programs worldwide than any other provider. In addition to its flexibility solutions, Enel X's technology-enabled advisory solutions help large energy users create value through strategic energy procurement, energy management, and utility bill management software and services.

## RESULTS

Enel X chose Asavie SD IoT™ because it offered:

- **Secure Network from Day 1**

The secure and seamless interconnect of the IT and OT systems made for the simplified adoption and roll out of the service to Enel X's customers.

- **Managed as a Service**

Enel X's engineering teams remain focused on delivering business value to energy management service, instead of learning how to manage secure networking.

- **Facilitates Remote Access Management**

Lower total cost of ownership by facilitating over the air updates and minimizing the number of on-site visits for software maintenance.

*Asavie provides the critical interface to the network and the industrial automation systems for our energy demand response services.*

Robert McGarry,  
Sr. Technology Manager,  
Enel X



## PRODUCTIVITY

Outsourcing of network layer management to Asavie enables valuable engineering resources to focus on delivering core value added services to customers.

## SECURE CLOUD

Secure data feeds to and from the cloud are an important pillar of leveraging a distributed cloud-hosted environment to deliver fast, elastic services to energy consumers and providers.

## PROCESS CONTINUITY

Secure bi-directional connectivity is vital to the ongoing maintenance and management of services, assuring business process continuity and service delivery.

Asavie makes secure connectivity simple for any size of mobility or IoT deployment in a hyper-connected world.

ASAVIE