



Digital Energy

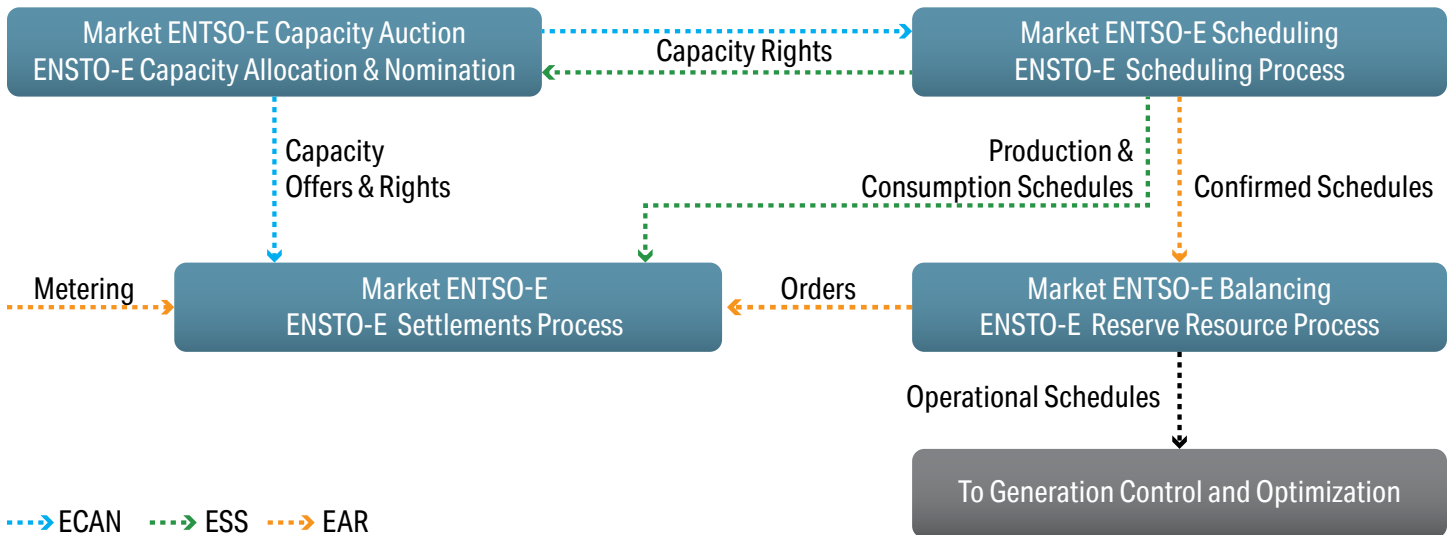
Market ENTSO-E Settlements ENTSO-E

INTEGRATED, FLEXIBLE E-BUSINESS SOLUTIONS FOR ALL ELECTRICITY MARKETS IMPLEMENTING ENTSO-E STANDARDS

Listening and understanding your unique issues is a key component in designing and delivering successful ENTSO-E solutions.

Integrated, flexible e-business solutions for all electricity markets implementing ENTSO-E and CIM standards

Today, Market ENTSO-E systems and solutions are used by Transmission System Operators working in competitive electricity markets throughout Europe. They provide an integrated suite of products for managing transmission capacity allocation, scheduling, reserves, balancing of energy and settlements.



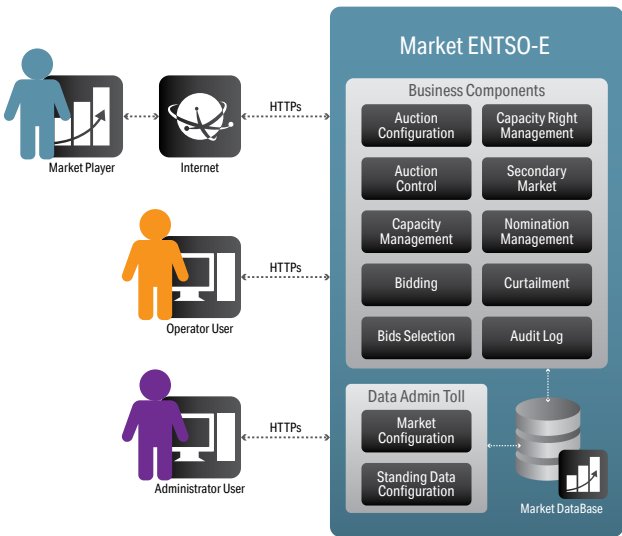
The ENTSO-E suite is composed of Market ENTSO-E and Settlements ENTSO-E products. Market ENTSO-E solutions follow the ENTSO-E harmonized Role Model framework and the comprehensive ENTSO-E Implementation Guides.

Market ENTSO-E Settlements ENTSO-E



OUR FIELDS OF EXPERTISE

- Electricity Market Design
- ENTSO-E Business Processes expertise
- Power System Engineering
- Software System Engineering
- Database Engineering and Management
- Computer System Architecture
- System Integration
- Project Management
- Customer Training and Support



The product solutions provide the following applications:

- **Market ENTSO-E Capacity Auction:** Manages the allocation of the transmission capacity according to the ENTSO-E Capacity Allocation and Nomination System (ECAN)
- **Market ENTSO-E Scheduling:** Supports interconnection and trade as well as production and consumption scheduling according to the ENTSO-E Scheduling System (ESS)
- **Market ENTSO-E Balancing:** Implements reserve allocation and balancing of energy according to the ENTSO-E Reserve Resource Process (ERRP)
- **Settlements ENTSO-E:** A flexible solution to operate settlements and billing according to the ENTSO-E Settlement Process (ESP)



Market **ENTSO-E** Settlements *ENTSO-E*



CUSTOMER BENEFITS

Coordination
Safety
Reliability

- Optimized TCO from the GE Product approach
- Product upgrade policy keeps pace with evolving ENTSO-E Standards
- GE combined Business Process and IT expertise
- State of the art support from our Product and Project team

To maintain our high levels of customer service, GE is committed to following the evolution of the ENTSO-E and CIM standards with the continuous development of our product solutions and to implement all major ENTSO-E standard evolutions within the Market and Settlement products.

GE experts are providing an active contribution to the integration of the ENTSO-E work into the IEC TC57 CIM to define the European Market Profile.

Market **ENTSO-E** is the perfect product suite to meet the requirements of European market implementation and integration.

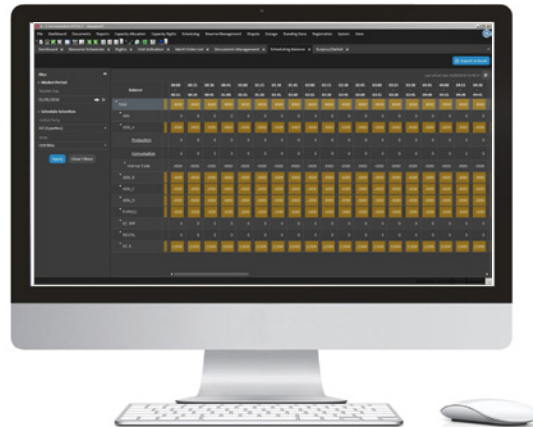
Market **ENTSO-E** is a solution derived from our worldwide Market platform addressing the specific business requirements of the ENTSO-E standards for European Transmission System Operators.

GE has provided product solutions to meet the ENTSO-E requirements since the inception of the standards. First delivery of Market **ENTSO-E** has been fully operational since 2003. Market **ENTSO-E** also includes an optional market clearing application. This highly configurable application is designed to clear simultaneously the bids from multiple commodities (energy, ancillary services, cross-border capacity, etc.) in compliance with market rules. It provides the capability to combine financial and physical considerations to ensure a secure and transparent market clearing process. Its constrained optimization framework meets the rigorous analytical requirements of today's complex marketplace.

GE Market **ENTSO-E** is complemented by Settlements ENTSO-E to provide the operators with a state-of-the-art settlement application.

Settlements **ENTSO-E** brings a settlement component into the integrated platform. It provides a flexible approach that allows the customer to configure his unique settlement calculations and fully supports the **ENTSO-E** Settlement Process and the EAR (Energy Account Report) xml file format.

Both Market **ENTSO-E** and Settlements **ENTSO-E** rely on a Service Oriented Architecture (SOA) which implements Web Services and benefits from the latest available technologies. The applications are supported by the ORACLE or POSTGRESQL and JAVA platforms and can be deployed under both WINDOWS and LINUX.



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