

Short Term Optimizer - STO 2.0



Tool for fully automated processing of continuous short-term trading in the balancing energy market

Definition

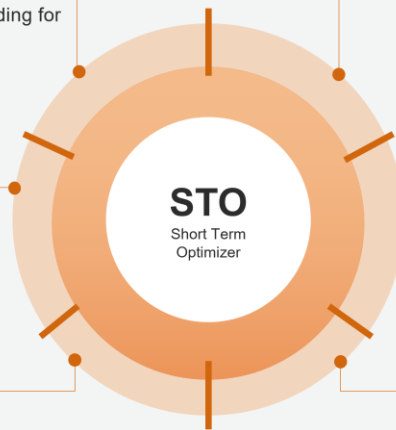
Fully automated processing of short-term trading for flexible power generation plants

Automatic process flow

Data exchange with EDM/trading system
RPS/PPS/APS Dispatch to Swissgrid
24/7 Operation

Interfaces

ECP (Energy Communication Platform)
Interfaces EDM/trading systems on request



Features

Parameterisable market optimisation
Installation: SaaS or on-premise
User-friendly web GUI
Languages: DE, FR, EN

Economically interesting

P&L optimization
Dynamic response to the market
Improved transparency
Increased security

References

Since 2021: ewz, EnAlpin, FMV
Modules MARI/PICASSO → live since Q3/2022
Further development incl. intraday, balancing energy
(if there is sufficient demand)

Market distribution

Bid generator

Price adjustment

OPTIMIZATION

Calculation of optimal distribution to economically interesting markets (TERRE, MARI, PICASSO, TRE)

Analysis of current call-offs and historical market data

Create bids per FlexUnit for available markets

Bids for service provision SDL (mandatory bids) + Free Flex (voluntary bids)

Statistical analysis of current call-offs and historical market data

Price adjustment of current bids

USER SETTINGS

Selection of bidding strategy price-orientated vs. volume-orientated

Configuration of the stored bidding strategies

Overwriting the calculated market distribution

Block sizes and price settings per FlexUnit

Sequence of markets for tiered pricing

Selection of bidding strategy price-orientated vs. volume-orientated

Configuration of the stored call probabilities depending on the selection

STO 2.0 System integration

