



CUTTING-EDGE TECHNOLOGY FOR AN ENERGY SERVICE COMPANY

Establish a new value stream with DERs

The Italian EGO Group leverages DEOP, the Siemens software for Distributed Energy Optimization to offer added value to its customers.
[siemens.com/deop](https://www.siemens.com/deop)

This new revenue stream resulted in a 150 MW VPP (Virtual Power Plant) with more than 400 assets from different sources (e.g. CHP, ESS, Hydro) included and a DEOP digital community of more than 140 users among EGO's customers.

Customer requirements

EGO prides itself on being top-notch in the use of cutting-edge technology. Therefore, it had a clear vision to anticipate the transforming energy market's needs by generating a new digital energy business.

EGO Group was looking for a platform with which it could optimally dispatch a large set of distributed energy assets. The installation of a virtual power plant (VPP) to perform grid balancing was a vision EGO wanted to turn into reality.

Starting with the VPP pilot projects in 2017, EGO has been developing more and more diversified business models – from energy efficiency to cogenerator monitoring as well as energy-process optimization – leveraging DEOP technology and the Siemens team's expertise.

Watch the interview video with Carlo Corallo, CEO of Gruppo EGO.



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Unlocking the potential of distributed energy resources

The energy market evolution generated new business opportunities that the energy service company EGO in Genoa exploited with Siemens' help.

DEOP features and benefits

EGO benefits from DEOP's flexible configuration with interfaces and open APIs to smoothly integrate DEOP into its existing systems and tools. With the adaptable and scalable platform, the group can monitor around 400 assets incl. storage, PV, CHP and loads. Based on the data collected in DEOP, EGO optimizes its assets' operation and can perform KPI tracking and benchmarking. DEOP's interoperability allows EGO to use its algorithm gateway to participate in existing markets, generating additional revenues from the VPP that has been set up.

The multi-user option allows EGO to set up dashboards for its end customers under one roof with multiple users. Together with Siemens, EGO created a set of standard packages to offer to EGO's customers,

like CHP monitoring and optimization, a package for flexible loads and generators and the VPP functionality previously mentioned.

Conclusion

EGO has set up a VPP with more than 150 MW, based on the generation of more than 400 flexible and renewable energy assets. A community of 145 users joined together on EGO's platform, contributing to a more sustainable, yet stable energy landscape in Italy.

About Gruppo EGO

EGO is a leader of exploiting energy produced from distributed sources and boosting energy efficiency through AI-based digital monitoring, aggregation and dispatching platforms, based in Genova, Italy. Well-established on the market, its robust financial position combined with the use of cutting-edge digital technology makes EGO Group one of the main players in the new distributed energy market in Italy.



With our VPP based on DEOP, we have created a new revenue stream for EGO that adds value to our customers. Moreover, we boost sustainability in energy by delivering 150 MW of energy created from distributed energy resources that does not need to be generated by conventional resources.

Pietro Bosso

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Published by Siemens AG

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Humboldtstrasse 59
90459 Nuremberg, Germany

For the U.S. published by Siemens Industry Inc.

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United States

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Article No. SIDG-B10084-00-7600
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