

An important new step in Germany's energy transition: Evonik to build another combined-cycle gas and steam turbine power plant in Marl

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- Ensures long-term, climate-friendly and sustainable energy
- Second power plant concludes Evonik's overhaul of the energy infrastructure at its largest site worldwide
- Construction to begin this summer

Daniela Sahlmen
Communication & Integration
Technology & Infrastructure
Phone +49 177-2783
daniela.sahlmen@evonik.com

Marl/Essex. Evonik and Siemens are continuing their successful partnership in new power plant construction with the launch of another major new project: in June, Evonik and its partner Siemens signed agreements on the construction of another, highly efficient combined cycle gas and steam turbine plant at the Marl Chemical Park.

The new power plant will replace an existing reserve gas-fired power plant on site, and, in so doing, complements another, likewise new power plant that Evonik has recently begun building in Marl. Evonik is thus clearing the way for ending coal-fired generation of electricity and gas throughout the company.

Construction work is to begin before the end of summer 2020 so that this plant can also go on stream in 2022. At a total capacity utilization rate of over 90 percent, the two new plants will generate up to 270 megawatts of electricity (enough to power roughly 750,000 households) and up to 660 metric tons of steam per hour. All of the power plants at the Marl Chemical Park will be operated from a central control room as an integrated network in future.

"We intend to cut our absolute greenhouse gas emissions in half by 2025—that's Evonik's key climate goal. The new construction project in this agreement is another important step in that direction," says Thomas Wessel, the member of the Evonik Executive Board responsible for sustainability issues. The new power plant structure has been designed to optimize steam supply for the site. In the event that the public grid were to

Evonik Technology & Infrastructure GmbH
Rellinghauser Straße 1-11
45128 Essen
Germany
Phone +49 201 177-01
Fax +49 201 177-3475
www.evonik.com

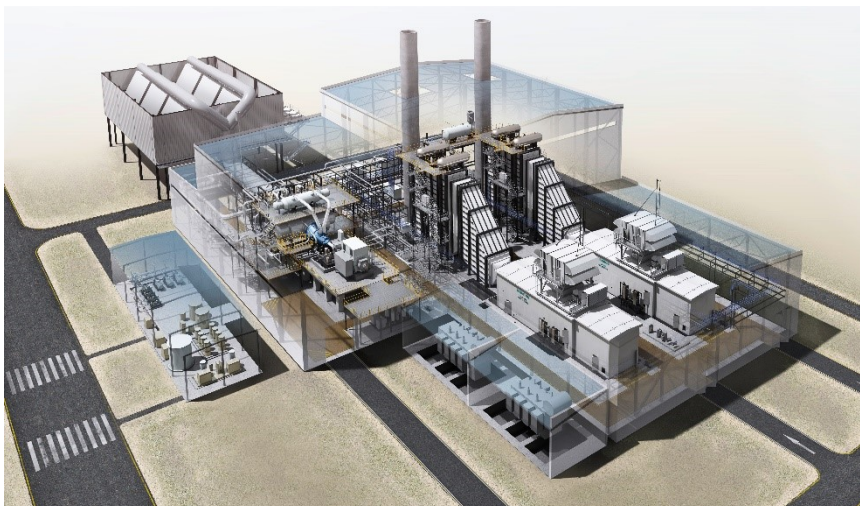
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Thomas Wessel, Chairman
Managing Directors
Dr. Rainer Fretzen, Chairman
Dr. Clemens Herberg
Stefan Behrens

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go down or experience disruptions, the plants can also operate in island mode for the Marl Chemical Park—in other words, they can continue providing electricity or steam to plants that are particularly sensitive to supply interruptions. The power plants' highly flexible load management can also play a role in balancing input variability from renewable energy sources—an absolute must for Germany's energy transition. "Evonik produces sustainable and efficiency-increasing products. That is how we make a significant contribution to reducing CO₂ emissions. Overhauling and retrofitting our energy infrastructure represents another way in which we are helping lower the amount of CO₂ emissions," says Rainer Fretzen, chair of the management board of Evonik Technology & Infrastructure. The site's integrated steam network will continue to provide district heating to some 2,000 Marl homes.

"We are pleased to have won this contract. This plant is another milestone on the road to energy transition supported by our state-of-the-art power plant technologies. Siemens Energy supports the emission goals of our long-term partner Evonik, and this project will build upon our trusted collaboration," says Jochen Eickholt, Member of the Executive Board of Siemens Energy. Siemens Energy serves as a general service provider for the project and is responsible—with its internal partner Siemens Financial Services—for the realization of the facilities.

Caption: Model showing the new, highly efficient combined cycle gas and steam turbine plant that Evonik is to build in a resembling form at the Marl Chemical Park.



Company information

Evonik is one of the world leaders in specialty chemicals. The company is active in more than 100 countries around the world and generated sales of €13.1 billion and an operating profit (adjusted EBITDA) of €2.15 billion in 2019. Evonik goes far beyond chemistry to create innovative, profitable and sustainable solutions for customers. More than 32,000 employees work together for a common purpose: We want to improve life, day by day.

About Technology & Infrastructure

As an integral part of Evonik the Evonik Technology & Infrastructure GmbH supports customers on their growth course by providing reliable technology and infrastructure services in the areas of energy & utilities, technical service, process technology and engineering, logistics, and site management. Customers from any Evonik site in the world can access the services and know-how of Technology & Infrastructure with around 8,000 employees. The company is part of Evonik's Services Segment that, with around 12,000 employees, generated sales of €763 million in fiscal 2019.

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