

## Siemens builds turnkey combined cycle power plant in Herne

- **Heat and power for the Rhine-Ruhr metropolitan region**
- **Fuel efficiency exceeding 85 percent**
- **Long-term service agreement**

Siemens and STEAG GuD Herne GmbH signed an agreement today on the turnkey construction of a combined cycle power plant with district heat extraction. They also entered into a long-term service agreement. The Herne 6 plant will have an electrical capacity of more than 600 megawatts (MW). Steam will also be extracted, and the thermal energy obtained will be used for the district heating grid of Germany's Rhine-Ruhr metropolitan region. Never before has a single power plant unit been able to provide 400 MW of (thermal) district heat with combined cycle operation. The overall fuel efficiency of the natural gas used thus climbs to more than 85 percent, making the power plant one of the world's most efficient and most environmentally friendly plants. The investment volume for Herne 6 is in the mid-triple-digit euro range.

In its role as general contractor, Siemens will build the plant on the site of an existing power plant owned by STEAG in the North Rhine-Westphalian town of Herne. The plant's key components will be manufactured in Germany: the steam turbine and generator in Mülheim and the H-class gas turbine at the gas turbine factory in Berlin. Starting in the spring of 2022, the new gas-fired CHP plant is expected to generate electricity and reliably supply the Rhine-Ruhr region with district heat at the same time.

“We’re very pleased that we were able to land this project in a difficult market environment,” said Willi Meixner, CEO of the Siemens Power & Gas Division. “This success also shows that our strategy of developing projects in close collaboration with our customers is working. Environmentally friendly, gas-fired CHP plants such as Herne 6 can play an important role in further implementing the transition to a new energy mix in Germany. Therefore for further projects already being planned it is enormously important to provide the legal security needed,” Meixner added.

“We are convinced that Siemens is the right partner for this important and pioneering project,” said Joachim Rumstadt, Chairman of the Management Board of STEAG GmbH. “As we know from our successful collaboration in earlier projects, Siemens has excellent expertise in the area of power plant construction.”



### **New combined cycle power plant in Herne**

Siemens is building the gas-fired, combined cycle power plant with district heat extraction for STEAG in Herne. (Copyright: STEAG)

This press release and a press picture is available at

[www.siemens.com/press/PR2018070268PGEN](http://www.siemens.com/press/PR2018070268PGEN)

More information about the Power and Gas Division is available at:

[www.siemens.com/about/en/businesses/power-and-gas.htm](http://www.siemens.com/about/en/businesses/power-and-gas.htm)

More Information about the SGT5-8000H gas turbine is available at:

[www.siemens.com/sqt5-8000h](http://www.siemens.com/sqt5-8000h)

**Contact for journalists**

Alfons Benzinger

Phone: +49 9131 18-7034; E-mail: [alfons.benzinger@siemens.com](mailto:alfons.benzinger@siemens.com)Follow us on Twitter at: [www.twitter.com/siemens\\_press](https://www.twitter.com/siemens_press)

**Siemens AG** (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, the company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2017, which ended on September 30, 2017, Siemens generated revenue of €83.0 billion and net income of €6.2 billion. At the end of September 2017, the company had around 377,000 employees worldwide. Further information is available on the Internet at [www.siemens.com](http://www.siemens.com)