



## BACKGROUNDER ENGIE Refrigeration GmbH

### THE COMPANY

ENGIE Refrigeration GmbH specialises in products, solutions and services for economical and energy-efficient refrigeration and heat generation. The refrigeration specialist plans, manufactures, operates and supervises refrigeration systems, heat pumps, re-cooling plants and system solutions. The company, with its headquarters in Lindau on Lake Constance, has a nationwide sales and service network in Germany. As part of the ENGIE Group, ENGIE Refrigeration can draw on the support of the structures of a global corporation. The origins of ENGIE Refrigeration go back to the Sulzer company. ENGIE Refrigeration GmbH is a member of ENGIE Deutschland. Since June 2016, ENGIE Deutschland bundles the expertise of various companies, including ENGIE Deutschland GmbH (formerly Cofely Deutschland GmbH), ENGIE Refrigeration GmbH (formerly Cofely Refrigeration GmbH), ENGIE Deutschland AG (formerly GDF SUEZ Energie Deutschland AG), ENGIE Energielösungen GmbH (formerly GDF SUEZ Energy Sales GmbH) and H.G.S. GmbH. ENGIE Deutschland is represented at 30 sites across Germany and, in 2017, recorded sales of around 1.9 billion euros with 3,000 employees. The share of sales from ENGIE Refrigeration GmbH – with 300 employees – stood at around 84 million euros.

[engie-refrigeration.de](http://engie-refrigeration.de)

#### Press contact in Germany:

ENGIE Refrigeration GmbH  
Tatiana Köhler  
Josephine-Hirner-Straße 1 & 3  
D-88131 Lindau  
Tel.: +49- 8382/706-222  
E-Mail: [tatiana.koehler@de.engie.com](mailto:tatiana.koehler@de.engie.com)

Publik. Agentur für Kommunikation GmbH  
Stefanie Lutz  
Rheinuferstraße 9  
67061 Ludwigshafen  
Tel.: +49 621 963600-41  
E-Mail: [s.lutz@agentur-publik.de](mailto:s.lutz@agentur-publik.de)





## THE SERVICE SPECTRUM OF ENGIE REFRIGERATION

### PRODUCT PORTFOLIO OF CHILLERS

- **Quantum:** The Quantum chiller can be used for applications from 250 kW up to 6.5 MW. With the Quantum, energy savings of up to 50 percent are possible. The series stands out due to an innovative compressor concept with oil-free bearings. This guarantees a particularly quiet and low-vibration operation and makes the Quantum chiller perfect for use in noise sensitive areas. In 2003, ENGIE Refrigeration won the German Industry Innovation Award for Quantum. The Quantum is available as a water- and air-cooled series. Alongside the classic Quantum chiller series, ENGIE Refrigeration also offers the Quantum G. This series uses the sustainable refrigerant R1234ze.
- **Marenum:** The Marenum is a chiller that was developed for use on boats and is characterised by its seawater resistance qualities, as well as a high level of failure safety.
- **Pensum:** The Pensum is built for smaller power ranges and is also suited for use in data centres, technical building services and industry.
- **Spectrum:** The Spectrum chiller takes its name from its ability to cover a particularly large temperature spectrum. The lowest evaporating temperature is  $-25^{\circ}\text{C}$ . For heat pump applications and heat recovery, the Spectrum chiller reaches condensing temperatures of up to  $65^{\circ}\text{C}$ .
- **Amonum:** Amonum uses that natural refrigerant ammonia. AMONUM chillers are extremely compact and are fully assembled in the factory. Due to the low refrigerant filling quantity of less than 10 kg, the Amonum chiller can be installed everywhere.

ENGIE Refrigeration not only supplies its chillers in the classical form, but also in a space-saving and fully assembled container form.

Amonum, Pensum and Quantum chillers from ENGIE Refrigeration are especially known as highly efficient cooling generators. However, they are also excellent as heat pumps and have already been successfully used for this purpose by various industrial customers.

- **thermeco<sub>2</sub> CO<sub>2</sub> heat pumps:** High-temperature thermeco<sub>2</sub> heat pumps operate exclusively with the sustainable, environmentally friendly refrigerant R-744 (CO<sub>2</sub>). These heat pumps generate hot water temperatures of up to  $110^{\circ}\text{C}$  using a variety of heat sources, such as external air and process waste heat.





### Also in the ENGIE Refrigeration Portfolio

- **Re-cooling system:** This includes a wide range of products, from evaporating cooling towers for open and closed circuits and cellular cooling towers to cooling towers for hire and dual re-cooling systems.
- **Cooling and cold water systems:** ENGIE Refrigeration develops special cooling and cold water installations and is responsible for the whole process from initial planning and construction to assembly, installation and complete commissioning.





## SERVICE PORTFOLIO

- **Classic Services:** ENGIE Refrigeration advises and supports businesses with products and support for refrigeration, from inspections, installations and maintenance to the supply of spare parts. With remote installation monitoring, ENGIE Refrigeration ensures safe system operation on behalf of the customer. If companies have any further refrigeration needs following repairs or maintenance, or in the event of emergencies, the refrigeration specialist also rents cooling towers and chilled water sets on request.
- **Modular maintenance:** The modular maintenance concept from ENGIE Refrigeration offers reliable, energy-efficient and cost-efficient operation for the entire life-cycle of a refrigeration unit. Up to 26 various maintenance modules can be called up via four various maintenance variants.
- **dka – die kälte akademie:** With the dka – die kälte akademie (the refrigeration academy) ENGIE Refrigeration offers a unique training academy. The aim of the dka is to support those taking part in the academy with effective and high-quality courses on the complex demands of the refrigeration installation's components.





## DATES AND FACTS

### Formation

ENGIE Refrigeration traces its roots to the Gebrüder Sulzer company, which was founded in 1834 in Winterthur, Switzerland. In 1878, Sulzer built the world's first chiller on the occasion of the Paris Exposition. In 1921, the Escher-Wyss Works in Zurich purchased the existing factory property in Lindau and began mass-producing chillers. After the Sulzer Group reorganised, the company became a legally independent entity and took on a new name: Sulzer-Escher Wyss GmbH. In 2001 Fabricom, a subsidiary of the SUEZ Group in Belgium, took over Sulzer Escher Wyss GmbH and managed the company under the name of Axima Refrigeration GmbH. In November 2009 the company was renamed to Cofely Refrigeration GmbH. Since June 2016 the company operates under the ENGIE Refrigeration GmbH name.

### German headquarters

ENGIE Refrigeration GmbH  
Josephine-Hirner-Straße 1 & 3  
88131 Lindau

### Sites in Germany

Dresden site (Ottendorf-Okrilla);  
Branches in Berlin, Essen, Frankfurt, Leipzig,  
Hamburg, Hanover, Lindau, Ludwigshafen, Munich,  
Nuremberg and Stuttgart

### Number of employees in Germany

300 employees

### Sales in 2017

84 million euros

### Managing Director

Jochen Hornung

### Parent company

ENGIE Deutschland GmbH





## References

Amadeus Data Processing GmbH  
Arburg  
Archimedes Facility Management GmbH  
Boehringer Koropi  
Daimler AG  
Deutsche Rentenversicherung Rheinland (DRV)  
Fachhochschule Soest, Fränkische Rohrwerke  
Höfe am Brühl shopping centre  
Outdoor water parks in Krumbach and  
Ebermannstadt  
Elixier (ADNOC Industrial Gases Company Ltd.)  
Gulf News UAE  
IZD Tower  
Karlsruher Institut für Technologie (KIT)  
Klinikum Frankfurt Höchst  
Kongresshalle Bamberg  
Leeds GSC  
Mälzerei Weyermann  
Mercedes-Benz-Werk Rastatt  
Nordmark Arzneimittel GmbH & Co. KG  
Olympic Tower Complex  
Paul Bippus GmbH  
Parsian Khazar Hotel  
Prinovis GmbH & Co. KG  
Professor Samii International Neurology Institute  
Schön Klinik Vogtareuth  
Public swimming pools in Krumbach and  
Ebermannstadt  
Sohar Smile Shopping Mall  
SWR  
WDR

