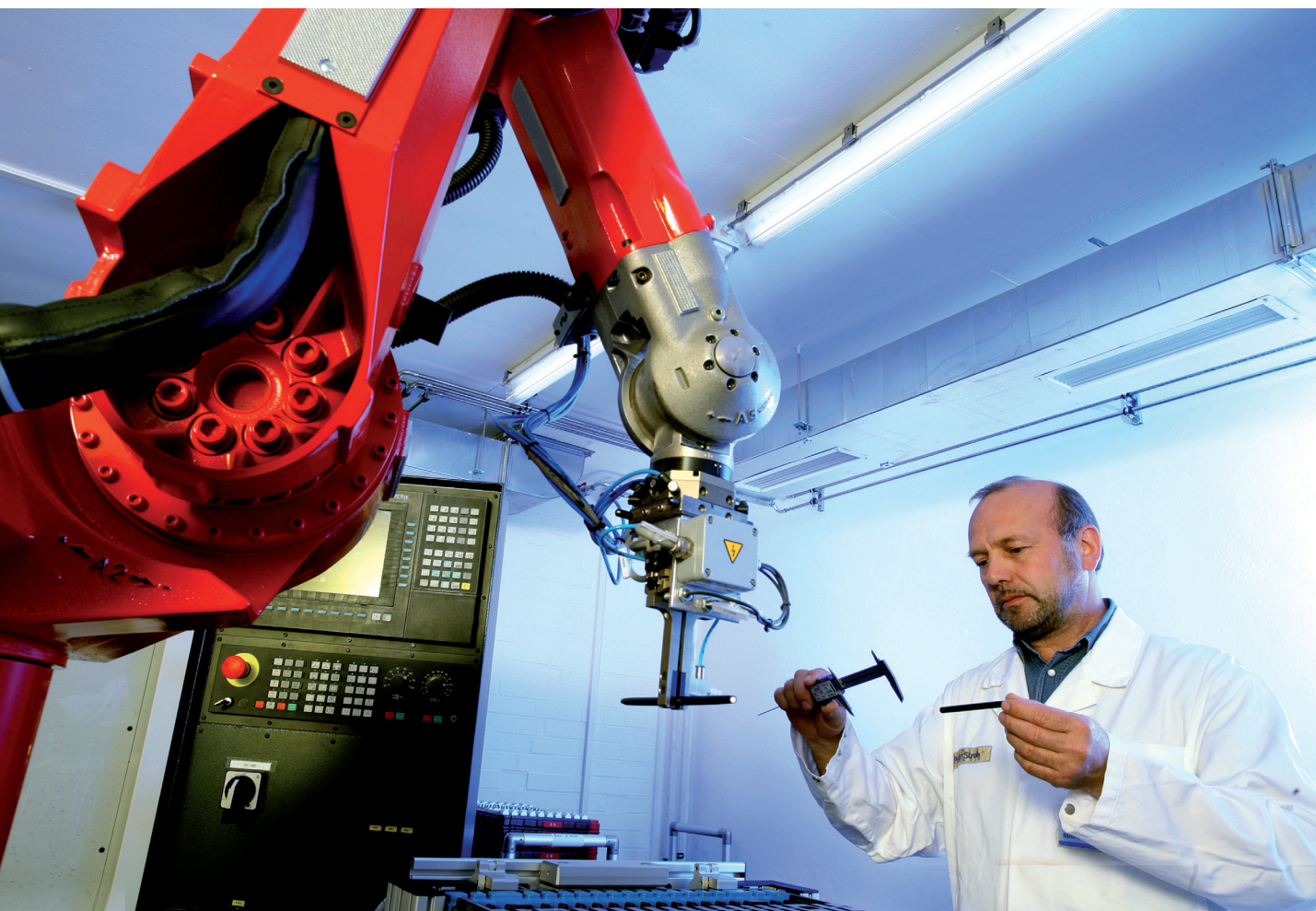


Merck lives for innovation

COGENERATION MAKES ENERGY SUPPLY MORE SUSTAINABLE



Founded in Darmstadt in 1668, Merck is the oldest pharmaceutical/chemical company in the world and currently has roughly 39,000 employees worldwide. The company stands for nearly 350 years of innovation with the goal of constantly improving people's quality of life. The people at Merck also focus on innovation in energy supply.

Innovative energy for pharmacy and chemistry

The construction of a new tri-generation energy centre on the premises of Merck's main plant in Darmstadt, where 8,900 people work, will supply the pharmaceutical production and parts of the research division with selfproduced electricity, heat and chilled water. Two avus 1500c combined heat and power plants were installed in the energy center, each producing 1,560 kW of electrical power and 1,586 kW

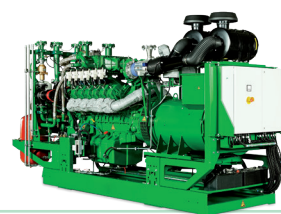
of thermal energy for heating and cooling requirements. Power, heat and cooling cogenerated in the CHP will save approx. 2,500 tons of CO₂ from being produced each year.



2G Energy AG: well-prepared for large-scale projects

2G executive board member Ludger Holtkamp is in charge of production and project management. He considers the completion of the project to be another milestone in the history of 2G: "The plant at Merck once again demonstrates our expertise in the field of energy supply technology and reflects our ability to execute large-scale projects." The energy centre was opened by Germany's Minister of Economics and Merck CEO Karl-Ludwig Kley at a celebration in July 2014.

Merck



Merck
merckgroup.com

2 x avus 1500c
Natural gas
2 x 1.560 kW electrical
2 x 1.586 kW thermal
Engine room installation

