



## Press release

### Strengthening the heating division **ebm-papst Plans Research Center in Osnabrück**

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Mulfingen, Landshut, Osnabrück,

ebm-papst Group, world market leader for fans and motors from Mulfingen in Baden-Württemberg (revenues € 1.7 billion/12,500 employees), is planning to establish a research and development center in Osnabrück.

In cooperation with its subsidiary ebm-papst Landshut, the gas heating specialist, the company will develop closed-loop controls for heating combustion systems in Osnabrück. To achieve its goal, the family-owned company is investing in a start-up and in the initial phase, will be creating 10 jobs. In the medium term, it plans to invest further and create more jobs.

As a result of its decades of experience in gas heating, ebm-papst Landshut has developed into the international technology and market leader for the production of blowers for gas-air mixtures. They are used in gas-condensing units for single and multiple family houses and industrial applications, for example.

Today's heating market is experiencing a major shift. The European Union's ErP Directive for heating, which went into effect last September, requires minimum efficiency levels for heating units and also provides for an energy efficiency label for heating units up to 70 kW. One key to improving unit efficiency is the ebm-papst condensing technology, which enables savings of up to 25% in comparison to obsolete conventional heating.

With its energy-efficient system solution, ebm-papst has accompanied the technology shift from the very beginning. For example, the company systematically invests in the expansion of its gas blower product by adding gas valves and combustion controllers. To take the system concept one step further, the company's competency in electronic combustion control is now being expanded. Unlike pneumatic control, it uses sensors to record and electronically control the gas-air mixture. With this process, the ideal mixture of air and fuel can be guaranteed at all times – for low-emission combustion and optimal resource utilization.

“We anticipate that the planned research and development center will deliver systematic further development of our know-how in energy efficiency, digitalization and the trend toward intelligent systems,” explained Stefan Brandl, managing director at ebm-papst and responsible for the Landshut location. “Its proximity to our Dutch subsidiary, ebm-papst Heating Systems, and to educational institutions and skilled specialists makes Osnabrück an attractive location for our start up,” added Brandl.



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Starting in September 2016, ebm-papst will be searching for even more electronics developers for its think tank. They will focus on defining relevant themes related to electronics composite systems and creatively exploring new technical solutions.

Fig. 1: Jürgen Schwalme, Head of Mechanical Heating Unit Applications; Stefan Brandl, Managing Director at ebm-papst and responsible for the Landshut location (from left to right)

Fig. 2 + 3: Fan production in Mulfingen at ebm-papst, the technology leader in fans and motors

Fig. 4: Measurements at the gas blower in the laboratory at the ebm-papst Landshut location

#### **About ebm-papst**

The ebm-papst Group is the world's leading manufacturer of fans and motors. Since it was founded, the technology company has continuously set global market standards. Developments have ranged from electronically controlled EC fans, through aerodynamic improvements of fan blades, and on to the resource-conserving selection of materials, with sustainable materials being just one option.

In fiscal year 2015/16, the company achieved sales of almost €1.7 billion. ebm-papst employs approximately 12,500 people at 18 production sites (in Germany, China, the United States and elsewhere) and in 57 sales offices worldwide. Fans and motors from the global market leader can be found in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, automobiles and drive engineering.

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