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### **Energy-savers and “silent movers” at the new location of febi precision engineering**

A bird's-eye view reveals the secret: febi precision engineering will be supplied by “green” energy in future. A modern photovoltaic system with a capacity of 700,000 kWh/year has been installed on the roof of the new production building – next to the headquarters of Ferdinand Bilstein GmbH + Co. KG in the town of Ennepetal in North Rhine-Westphalia. Precision engineering, which will start production at the new location in the summer of 2017, will then itself generate 50 percent of its present power consumption.

In other respects too, those responsible for the project are emphasising energy efficiency. The heating system of the production shed will use the waste heat of the machines and compressors to heat the intake air from the outside during the cold seasons, and for the floor heating in the office wing. “As a result, we should use 45 per cent less energy than a comparable new construction without efficiency measures. It is significantly more than what has been prescribed by the energy-saving ordinance and extremely rare in the industrial sector, explains Sebastian Höfinghoff, the responsible planner at febi precision engineering.

But the new building is not just a pioneer in terms of energy; it is also a real “silent mover” for a production facility. Thanks to the automatic ventilation system, the windows can remain permanently closed. This fact and the insulated walls make a significant contribution to the noise emission being reduced to a minimum level – which is also of advantage from the perspective of the local residents.

From the outside, the shed, which will in future house the entire precision engineering, looks almost complete. “At present, the building ventilation and the supply pipes for the machines are being set up”, reports Höfinghoff. “In parallel, we are working on the construction of the offices.” All the work will probably be over in the spring of 2017. Start of production at the new facility is envisaged for summer.

**Background**

Manufacturer competence is a key strength of the world-renowned spare parts specialist. Ferdinand Bilstein GmbH + Co. KG has been engaged in metal working since 1844, and therefore possesses a wealth of experience and expertise. Our series production involves annual quantities of between 500 and 200,000 units per article.

The febi product brand is part of the bilstein group, which also incorporates the strong SWAG and Blue Print brands. Further information can be found at: [www.bilsteingroup.com](http://www.bilsteingroup.com)

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