

Energy transformation on the roof

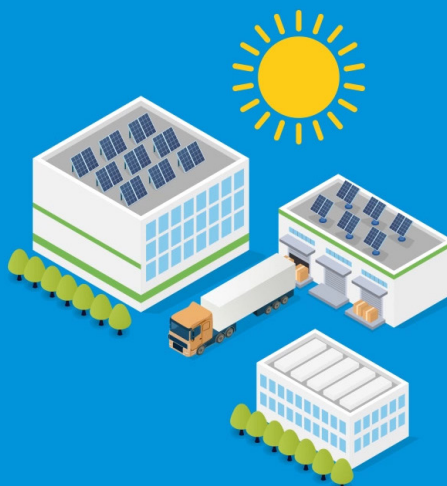
„Climate change is one of the greatest challenges of our time, and companies are playing an important pioneering role in this,“ says Jörg Pohl, Managing Director at baier & michels (b&m), adding: „Running a business sustainably is becoming a social obligation that our parent company, the Würth Group, is meeting with ambitious targets. We at b&m support this path and at the same time make our contribution, which includes ecological approaches towards electricity consumption.“

To this end, baier & michels is increasingly focusing on the use of solar cells and the conversion of sunlight into electrical energy at its corporate headquarters in Ober-Ramstadt in southern Hessen. Since March 2019, a photovoltaic (PV) system has been in operation on the roof of one of the factory halls; the 757 modules cover an area of around 1,400 m²; under ideal solar conditions, they can generate 103,000 kilowatt hours (kWh) of solar power per year. „With the solar intensity in Ober-Ramstadt, we currently produce more than 80,000 kWh, which corresponds to about twelve percent of our electricity consumption,“ explains Steffen Redlingshöfer, Head of Quality and responsible for the topic of environment, health and safety at b&m. In the first half of 2022, the company is significantly expanding its PV commitment in order to massively reduce CO₂ emissions: Additional solar modules will be installed on the roofs of administrative buildings and halls at the b&m headquarters. After completion of the measures, a total of 2,756

Producing sustainable electricity with solar energy:

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photovoltaic modules will be used at the b&m headquarters in future.



PV modules will be in use, which can potentially generate up to 852,625 kWh. b&m expects about four-fifths of this ideal value to be the actual yield - which will enable it to cover the entire annual electricity consumption at the site almost self-sufficiently. „Of course, we can continue to call on the conventional energy mix if there are not enough hours of sunshine on certain days,“ says Steffen Redlingshöfer, adding, „We feed the ‚green‘ electricity that b&m cannot use itself, for example on weekends and public holidays, into the public grid for a standard market fee.“

In terms of the future, baier & michels is looking into the use of a hydrogen generation plant to store environmentally friendly energy and also use it to power parts of the vehicle fleet, such as the trucks. On the other hand, plans are being reviewed for the introduction of a geothermal power plant that would provide renewable energy from the depths - i.e.: the upper layers of the earth's crust. you have any questions or comments, please contact us: +49 6154 - 69600 (Mr. Steffen Redlingshöfer).