



SMA Solar Technology AG Press Release

### **SMA uses innovative heat pumps to produce its climate-friendly energy supply**

**Niestetal, September 18, 2024 – The new energy supply for two SMA buildings was completed just in time for the last heat wave. Modern heat pumps supply an office building, the electronics production area and the research and development area, replacing the outdated combination of a biogas combined heat and power plant and refrigeration unit. The reversible heat pumps use a natural refrigerant and can heat as well as cool. They save around 1,600 megawatt hours of gas per year, making a considerable contribution to decarbonizing SMA's energy supply.**

"The sustainable use of energy is a key aspect of SMA's sustainability strategy. By using the new heat pumps, we also want to demonstrate how businesses can make their heating and cooling supply climate friendly," said Jürgen Reinert, SMA Chief Executive Officer. "Our goal is to not only drive forward the energy transition with our products and energy solutions, but to play a leading role in shaping a better future by anchoring and embodying sustainability in all areas of the company."

### **The new heat pumps ensure a demand-oriented supply of heating and cooling**

The innovative heat pumps on the roof of the SMA building use the natural refrigerant propane R290, which is highly energy efficient and has exceptional thermodynamic properties. It does not damage the ozone layer and, with a global warming potential (GWP) value of 3, has a much lower greenhouse effect than standard refrigerants used up to now. The heat pumps either heat or cool the building as desired, perfectly meeting all of the employees needs. The additional electricity demand required to operate the heat pumps is covered by the solar energy produced on the SMA roofs.

"Through the design of our buildings and the development and implementation of innovative energy supply concepts, the Corporate Real Estate Management department contributes to achieving SMA's ambitious sustainability goals," said Bastian Schmitt, Corporate Energy Manager at SMA. "The two large heat pumps that have replaced the biogas CHP plant are an example of this."

### **Energy from the region contributes to a 100% renewable supply**

SMA has been producing and using renewable electricity for years. All of its power needs at its headquarters in Niestetal, Germany, are covered by 100% renewable energy from a large number of PV systems ranging from a few



kW to 5.4 MW as well as a Power Purchase Agreement (PPA). [Under this agreement, SMA purchases all the energy produced by a 5.7 MW PV system in Niederhone near Eschwege, Germany.](#)

## **About SMA**

As a leading global specialist in photovoltaic and storage system technology, the SMA Group is setting the standards today for the decentralized and renewable energy supply of tomorrow. SMA's portfolio contains a wide range of efficient PV and battery inverters, holistic system solutions for PV and battery-storage systems of all power classes, intelligent energy management systems and charging solutions for electric vehicles and power-to-gas applications. Digital energy services as well as extensive services round off SMA's range. SMA inverters installed throughout the world within the last 20 years with a total output of approximately 132 GW help avoid the emission of more than 70 million tons of CO<sub>2</sub>. SMA's multi-award-winning technology is protected by more than 1,600 patents and utility models. Since 2008, the Group's parent company, SMA Solar Technology AG, has been listed on the Prime Standard of the Frankfurt Stock Exchange (S92) and is listed on the SDAX and TecDAX index.

## **SMA Solar Technology AG**

Sonnenallee 1  
34266 Niestetal  
Germany

## **Press Contact:**

Dagmar Buth-Parvaresh  
Tel. +49 561 9522-421414  
Presse@SMA.de

## **Disclaimer:**

This press release serves only as information and does not constitute an offer or invitation to subscribe for, acquire, hold or sell any securities of SMA Solar Technology AG (the "Company") or any present or future subsidiary of the Company (together with the Company, the "SMA Group") nor should it form the basis of, or be relied upon in connection with, any contract to purchase or subscribe for any securities in the Company or any member of the SMA Group or commitment whatsoever. Securities may not be offered or sold in the United States of America absent registration or an exemption from registration under the U.S. Securities Act of 1933, as amended.



This press release can contain future-oriented statements. Future-oriented statements are statements which do not describe facts of the past. They also include statements about our assumptions and expectations. These statements are based on plans, estimations and forecasts which the Managing Board of SMA Solar Technology AG (SMA or company) has available at this time. Future-oriented statements are therefore only valid on the day on which they are made. Future-oriented statements by nature contain risks and elements of uncertainty. Various known and unknown risks, uncertainties and other factors can lead to considerable differences between the actual results, the financial position, the development or the performance of the corporation and the estimates given here. These factors include those which SMA has discussed in published reports. These reports are available on the SMA website at [www.SMA.de](http://www.SMA.de). The company accepts no obligation whatsoever to update these future-oriented statements or to adjust them to future events or developments.