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Next Generation Smart Community to Pioneer Energy-Efficient Living

- One of the smartest residential communities in the world near Stockholm will generate, share and optimize energy to reduce bills, and offer sustainable, modern living.
- The first homes to integrate a fully holistic range of smart domestic appliances, devices such as blinds and HVAC, as well as solar systems and electric vehicle (EV) charging in a single app.
- The energy-smart community will use smart home and energy management and sharing technologies to become self-sufficient, energy cost and carbon neutral.

A development of new family homes in Brobyholm, Sweden is set to become one of the smartest residential communities in the world due to the connectivity of the technology installed. Able to generate, share and optimize energy, residents can expect lower energy bills, as well as improved sustainability credentials. Possible thanks to open technology, the application of industry standards, and vendors working together to innovate, never has so much technology been integrated and become fully interoperable in a smart home development.

The homes at [Brobyholm](#) will be the first buildings to access one holistic smart home solution through a joint ABB-free@home® and Samsung SmartThings system to ensure they can manage their households smoothly. All smart home products and devices will be connected seamlessly and securely via the Samsung SmartThings app or device.

Energy sharing technology and systems will be a major element at Brobyholm. Energy sharing will see main electrical assets such as EV chargers and solar inverters in the community synchronized to optimize energy use through load management. Samsung's smart appliances such as heat pumps, washing machines and dishwashers, can be programmed to operate when electricity tariffs are most affordable and when solar energy storage levels are sufficient. Solar panels on each house will charge storage batteries for the whole community's use.

With energy prices one of the leading concerns amongst leaders and populations across Europe¹, the development also provides an efficient energy management system that details energy consumption measurement, automatic adjustments to interior lighting based on outdoor darkness and optimizes cooling and heating systems in response to external temperatures or solar radiation.

The vision of Swedish investment, innovation, and real estate company, S Property Group, the Brobyholm community is approximately 35 minutes from Stockholm. It's a partnership not just with technology giants ABB and Samsung, but also Scandinavian housing developers OBOS, Portuguese clean energy firm, CleanWatts, SMA, a global market leader in solar



and storage system technology and provider of intelligent energy management and e-charging solutions, and Three Sweden, the global mobile network operator is delivering 5G to the site.

Douglas Lundholm, COO at S Property said, "The new smart community in Brobyholm will be the first of its kind. The energy smart community will meet the highest standards in sustainability by drawing on the latest advances in technology and connectivity, in the home and across the development. A smart community that is high-tech and low carbon, one built for our future, with services from security to convenience seamlessly managed with comfort in mind."

Jan Van Laethem, SMA EVP Business Segment Home added, "at SMA, we share a common mission with all our partners: We want to give the future residents of Brobyholm the opportunity for a more sustainable and smarter lifestyle. With our innovative modular energy solution, homeowners will be able to produce, store and consume their own solar energy. Our efficient, intelligent, and secure energy management system allows energy flows to be organized according to individual needs, ensuring both cost efficiency and climate-friendly energy consumption."

"We are proud to be part of this great project and to contribute our more than 40 years of experience in the field of photovoltaics.", stated Daniel Strömer, Vice President Business Strategies Home Segment at SMA. "Solar energy is the most important source of climate-friendly energy and will be the cornerstone of sustainable, cost-effective and environmentally conscious energy use in homes and businesses. Brobyholm is the perfect synergy of community living, where the collective expertise of strong partners ensures residents benefit from smart living with reduced energy costs and reduced dependence on the grid."

The Brobyholm community will have 500 predominantly single-family homes for sale with some designated for rental purposes, with a potential future expansion of the site to 2000 expected. Visitors can see the technology in a live OBOS show home environment, in nearby Åkersberga. The next generation community blueprint it establishes is expected to expand into other projects from next year.

Note to editors:

Supporting press materials can be found in the digital newsroom:

<https://new.abb.com/news/detail/108697/press-kit-brobyholm-inauguration>

<https://www.consilium.europa.eu/en/policies/energy-prices-and-security-of-supply>

For further information about the partners at Brobyholm visit: -

<https://sproperty.se>

<https://brobyholm.se>

<https://www.obos.se/>

<https://www.samsung.com/uk/apps/smartthings/>



<https://www.sma.de>

<https://cleanwatts.energy/>

<https://www.tre.se/>

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 up to and including operation and maintenance services for PV power plants round off SMA's range. SMA inverters with a total output of more than 130 gigawatts have been installed in more than 190 countries worldwide. They help avoid the emission of around 63 million tons of CO₂e annually. This is equivalent to stopping more than €12 billion of environmental damage. SMA's multi-award-winning technology is protected by more than 1,700 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 in the TecDAX index and MDAX index.

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