

Press Release from SMA Solar Technology AG and Trace Software International

## **Designing Large Solar Systems Made Easier: SMA and TraceSoftware Connect Planning Tools**

**Niestetal/Saint-Romain de Colbosc, March 23, 2022 – Installers and project developers can now plan large roof-top and small ground-mounted PV systems more easily than before. Even PV plants with an output of up to 1 megawatt can be visualized including all parameters and in 3D. This is made possible by linking the online planning tools Sunny Design from SMA Solar Technology AG (SMA) and archelios™ PRO from Trace Software. The new interface eliminates the need for constant data entry, reduces the planning effort and simplifies the independent profitability check. With Sunny Design, planners benefit from the optimal design of the PV system - including the charging infrastructure for electric vehicles - and with archelios™ PRO from the diverse options for energy simulation of the entire system.**

“Interconnecting our Sunny Design planning software and archelios™ PRO from Trace Software makes it even easier to configure a sustainable energy supply for households and commercial enterprises with rooftop or ground-based PV systems,” said Dr. Thomas Straub, Senior Product Manager Sunny Design at SMA. “Operators and owners planning energy systems based on solar energy benefit from faster, easier project implementation and reliable analyses in the early design phase.”

“This interconnection allows to take the best of SMA’s know-how and bankability of archelios™ PRO studies, for all type of photovoltaic projects, from early designs to advanced 3D conceptions” said Dr. Stéphane Boussac, archelios™ Suite Manager at Trace Software. “By connecting SMA’s and Trace Software’s tools photovoltaic design has become even easier for the developers of solar projects.”

Sunny Design Pro allows system planners to incorporate grid-connected, off-grid and PV-hybrid systems in their designs as well as energy systems with integrated energy. This also includes the optimum layout and dimensions for systems with battery inverters, charging stations and energy management. In addition, Sunny Design Pro allows you to flexibly manage purchasing and feed-in tariffs, create consumption and load profile analyses and simulate the use of battery storage systems, including in peak load shaving applications. You can also accurately model scenarios involving objects such as trees, dormers, smokestacks or multiple buildings, allowing you to simulate and evaluate module shading in the very early stages of your project.

Once the solar project (with or without 3D design) has been seamlessly imported to Trace Software’s archelios™ PRO simulation software, you can carry on with the strings wiring, detailed production/losses simulation and self-

consumption analysis. When finished, you can edit Pdf or csv study reports, generate Kml or Dxf plans and finish the electrical design in archelios CALC.

### **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 approximately 110 gigawatts have been installed in more than 190 countries worldwide. SMA's multi-award-winning technology is protected by approximately 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 SDAX index.

### **About Trace Software International**

For more than 30 years, Trace Software has been designing software for the design and operation of electrical and solar installations for building and industry. Trace Software's solutions cover the needs of electrical and photovoltaic projects, from design to operation and network dimensioning. The company is also present on the digital mock-up market with a complete platform for the design of electrical installations in Open BIM. Based in Saint-Romain de Colbosc in France, Trace Software distributes its solutions in Europe, Africa, South America, and Asia via distributors and subsidiaries in Germany, Spain, Morocco, and China.

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