



SMA Solar Technology AG Press Release

elexon: New Joint Venture for Charging Stations Making Electric Vehicle Fleets a Reality

Niestetal, August 1, 2019 – The aim is to promote the expansion of charging infrastructure for electric vehicles throughout Europe. SMA Solar Technology AG (SMA), AixControl GmbH and aixACCT charging solutions GmbH are now establishing the joint venture, elexon for this very purpose. In the new company, they are pooling their expertise in the field of e-mobility with a focus on charging infrastructure, energy management and renewable energy. elexon is a single-source supplier offering its customers turnkey solutions for the planning, installation and servicing of electric vehicle charging stations. Industry solutions for charging stations and large fleets are also in focus due to production capacities and the experience of the joint venture partners in particular.

“E-mobility and charging infrastructure are important future topics that offer attractive business opportunities,” said SMA Chief Executive Officer Dr. Jürgen Reinert. “With the foundation of our joint venture, elexon, we are now in a position to advance the expansion of charging infrastructure for sustainable e-mobility and to meet individual mobility requirements. Our long-standing expertise in photovoltaic system technology, battery storage systems and comprehensive energy management ensures the seamless integration of renewable energy and storage solutions. With a team of experts from the three companies, we are increasing both the pace of innovation and efficiency in this area.”

“With the newly founded joint venture, we can see huge potential throughout Europe for the future of e-mobility,” said Dr. Stephan Tiedke, CEO of aixACCT. “With our innovative charging solutions, we are promoting development and enabling e-mobility to grow rapidly. The charging infrastructure that we developed for Deutsche Post is considered a model for vehicle fleets worldwide. Based on this experience, we will also be offering cost-effective solutions for other areas together with our joint venture partners.”

“Our particular area of expertise is in the development of DC charging stations for fast charging of electric vehicles,” said Jochen von Bloh, CEO of AixControl. “DC charging stations from 22 kW to the megawatt range will form the backbone of e-mobility in the future. This is where the innovative solutions from elexon come in.”

Companies with large vehicle fleets are increasingly banking on e-mobility to reduce CO₂ emissions and save on costs. The requirements for charging stations vary in this respect. Vehicles that are used only during the day can be charged overnight at a low charging rate, while cars that have to get back on the road quickly need fresh energy rapidly. elexon combines both charging options and, at the same time, offers a connection to PV systems that are coupled with



storage technology. This means that the existing grid connection power can be utilized as effectively as possible and minimizes new investment in grid expansion. Dynamic charging management ensures that all loads in a site's infrastructure are optimally supplied at all times.

Thanks to the different areas of expertise of the joint venture partners, elxon will be able to offer the right charging solution for every need. This also includes the planning and installation of elxon system components from a single source. Subsequent service and maintenance requirements will be covered 24/7 by a wide network of local professional partners, ensuring optimal use of e-mobility.

More information is available at www.elxon-charging.com.

About SMA

As a leading global specialist in photovoltaic 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 inverters, holistic system solutions for PV systems of all power classes, intelligent energy management systems and battery-storage solutions as well as complete solutions for PV diesel hybrid 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 around 75 gigawatts have been installed in more than 190 countries worldwide. SMA's multi-award-winning technology is protected by more than 1,400 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 AixControl

AixControl GmbH is specialized in advanced system solutions for complex power electronics in the low- and medium-voltage ranges. Established in 2002 as a spin-off of RWTH Aachen University, AixControl GmbH assists industrial customers with migration from initial functional prototypes to real products. For this purpose, AixControl GmbH has diverse development departments for power electronics, control and embedded systems, including software and firmware development. In recent years, AixControl GmbH has built up its production capacities. AixControl GmbH provides customers with the full range of power electronic components from a single source, from development to series production. This enables AixControl to solve issues during market launch as quickly and efficiently as possible.



About aixACCT charging solutions

aixACCT charging solutions GmbH works on planning, consulting, production, installation and maintenance for charging infrastructure (AC charging stations) for electric cars. aixACCT charging solutions GmbH is the holder of two utility models that are registered at the German Patent and Trade Mark Office. aixAcct charging solutions GmbH serves international customers from the automotive sector in particular and has successfully installed more than 6,000 charging points in Germany alone. More than 300 locations have been served in the past three years. More will follow.

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