



# Three decades of trend-setting innovation and development

As it celebrates its 30<sup>th</sup> anniversary, Mounting Systems GmbH looks at the changing landscape of solar and how the latest innovations can make a positive impact on a clean environment, while also ensuring a good customer relationship.

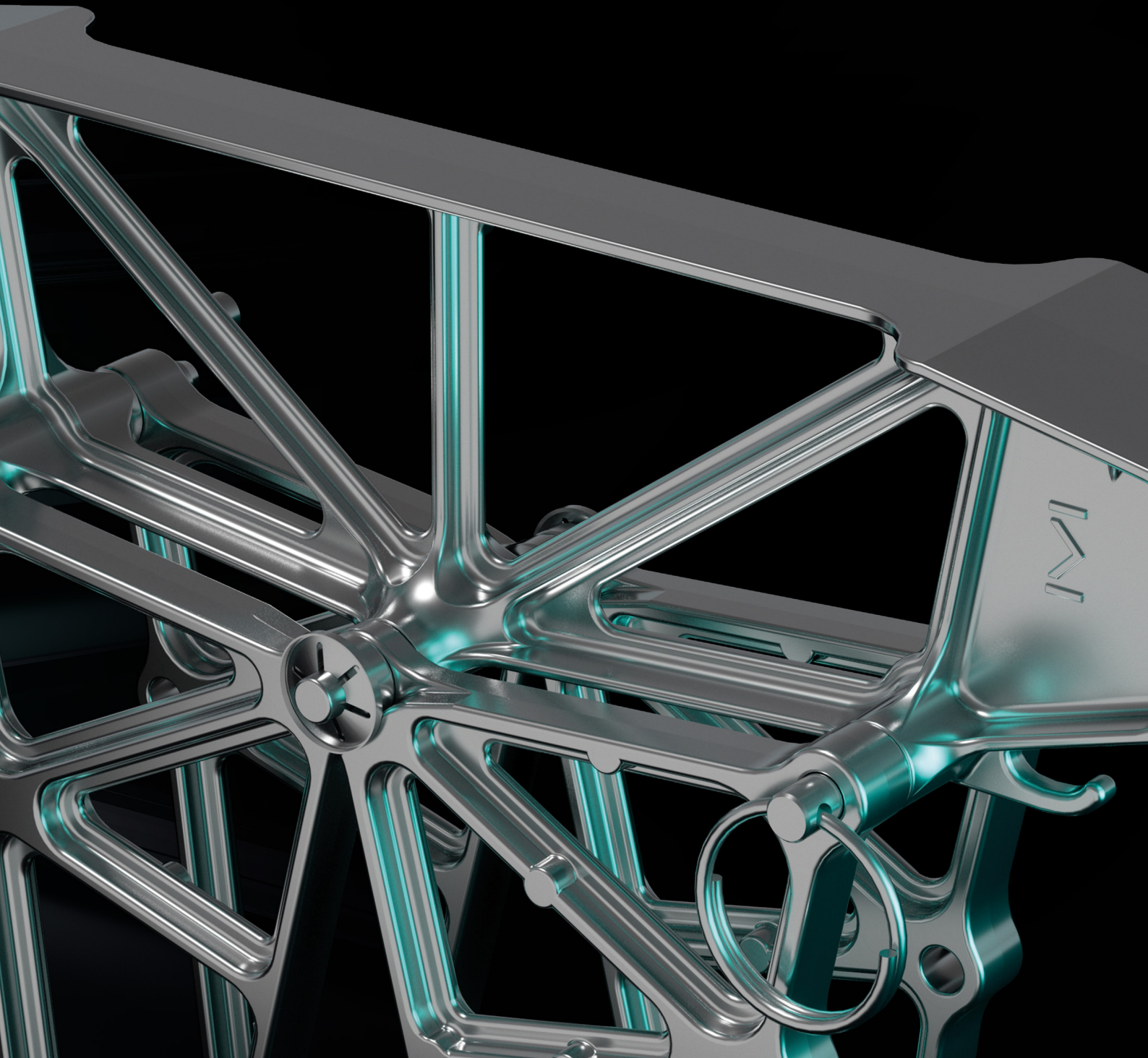
In today's world, renewable energies are more in demand than ever. The photovoltaic industry has experienced an enormous upswing in recent years. But despite the increased interest in solar energy, system operators still face some challenges. One of the biggest problems is the limited availability of land for solar plants. Especially in urban areas, space requirements are high and it can be difficult to find enough room for an efficient solar

installation. This is where Mounting Systems comes in and offers a solution with its innovative substructures.

By using special support profiles and an intelligent module fastening, use of available space can be maximised. The innovative technology ensures that the modules are aligned at an optimal angle to the sun and thus achieve a high energy yield. This means that even smaller areas can be used

effectively and it is possible to obtain a higher output from the solar installation.

Mounting Systems is an important problem solver in the photovoltaic industry. With its innovative substructures, the company enables high utilisation of the surfaces and thus increases the efficiency of the solar plants. At the same time, the company ensures the safety of the systems and facilitates installation. With its forward-



looking solutions, it contributes to improving the use of solar energy and promoting a sustainable energy supply.

#### **More space, more possibilities**

In line with its high growth rate, the company is opening an additional location in Rangsdorf, which is another great opportunity to drive the expansion of its existing headquarters and the energy transition.

To quickly supply its customers and partners with more goods, a total area of additional 25,677 m<sup>2</sup> will be available to them from spring 2023. This new building, located next door to the existing headquarters, will be used as an extension production and logistics site. In addition,

office space of 1,905 m<sup>2</sup> will be created, which will also create new jobs.

From the idea of a new innovative flat roof system and the perfect balance between function, durability, design and cost

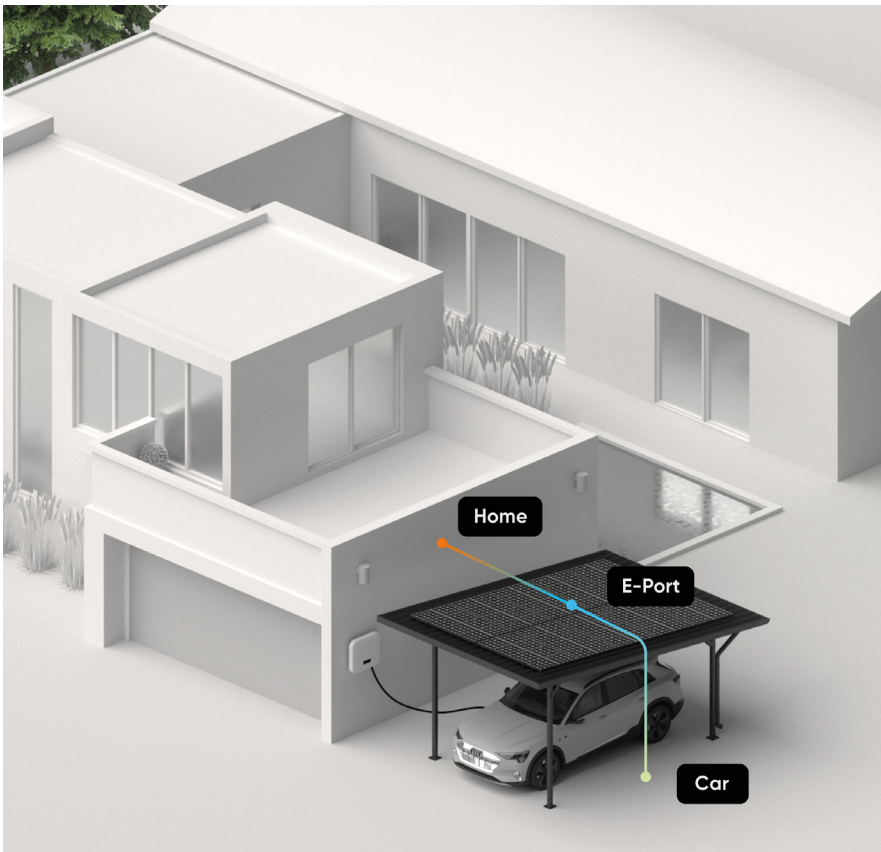
The latest innovative development from Mounting Systems is the first release of the next generation of flat roof products, designed for ease of installation and a multi-functional possibility. After many in-depth consultations with installers and developers across the globe, it decided to offer a 10° South, a 15° south and a 10° east west flat roof options in just one new system. The same key components are used for all three variations, meaning by simply changing the position of the supports, the customer

can have three different inclinations of the same system for mounting on flat roofs.

The new flat roof system is equipped with fully integrated cable management. Hooks are attached to the module supports, into which the installer can attach the cables between the modules. The base rail is designed to provide sufficient space for cable containment, and its cover allows the tradesman to lay the cables in a protected manner. The rails are also equipped with gutters that provide additional space for cables so that they do not have to lie in water on the roof.

#### **Making it as easy as possible for the installer**

The new flat roof system is designed so that the installer only needs minimum tools to



construct the system. 'Simple locking connections are used to ensure quick assembly across the system, rapidly reducing the overall installation time,' explains Jason McCabe, Director of products and engineering. 'All key components are manufactured using the die-casting process, which means there are no sharp edges on which the tradesmen could damage cables or injure themselves.'

**Significantly less ballast required**

'Initial results show very favorable ballast results compared to many existing systems

on the market. The key to this is that we truly worked on a very aerodynamic design that incorporated different wind deflectors in critical positions, and state-of-the-art wind tunnel expertise. Additional testing was carried out to really focus on creating a low ballast system, reducing the loads on the roof and being compatible with various roof coverings,' continues McCabe.

The system can be ballasted on roofs up to 30 meters high as standard, with higher buildings available on request. The ballast is

inserted into the newly developed tray which can accommodate a vast amount of different size blocks which are commonly found across Europe and further afield.

**The flexible pitched roof system for almost all roofs**

The Pitched PV mounting system for pitched roofs combines robustness and flexibility at reasonable prices. The Click stone technology and the aluminum profiles make installation on pitched roofs easier for installers and reduce installation times overall. In addition to that, they offer a large variety of roof hooks with different thicknesses for roof stones, roof tiles, corrugated eternit, trapezoidal sheet, corrugated iron and standing seams.

**An all-round mounting system for all Common trapezoidal sheet metal pitched roofs**

Thanks to Trapeze PV mounting system installers can install framed photovoltaic modules easily on almost all common trapezoidal sheet metal roofs. The robust rails are suitable for a wide range of trapezoidal shapes and load situations and enable height compensation.

**Clickstone technology: module fastening**

Both systems, Pitched and Trapeze, are compatible with all clamps. These pre-assembled clamps are to be mounted quickly and safely to all base rails of the internal click-system through the patented click stone. With universally adjustable clamps, installers always have the right clamps for framed and frameless modules in stock.

Mounting Systems is looking forward to meeting you in person at this year's Intersolar Europe Exhibition from 14<sup>th</sup> to 16<sup>th</sup> June in Munich, in Hall A6, Stand 480 & 490. Get to know the products better, and celebrate its 30<sup>th</sup> anniversary together.

[www.mounting-systems.com](http://www.mounting-systems.com)

