

Press release

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## **K2 Systems supports photovoltaic systems with quick mounting and digital planning with its new products**

K2 Systems will present the new mounting systems and service features at the SOCO 2020 digital solar conference on 30 June 2020. In view of the current Covid-19 situation and the cancelled Smarter E event in Munich, the SOCO conference offers an ideal opportunity for contactless exchanges. With its new products, the company provides its customers with digital tools, such as K2 Base, the K2 Roof Check app and the K2 Docu app as well as easy to install mounting systems for quick, easy and reliable installation. This year's new products include:

- ▶ **K2 Base 3.0 speeds up the PV design phase:** The K2 Base planning software has a modern look, new controls and a new dashboard for efficient order processing. Thanks to improved programming, the calculation is even faster and, in addition to tools from leading power inverter manufacturers, the Archelios Pro yield forecast tool is now also connected to K2 Base.
- ▶ **K2 Roof Check app determines a benchmark price in seconds:** The K2 Roof Check app, introduced in 2017, has a new function that the installer can use directly at the customer's premises to determine a reliable benchmark price per kWp for the roof construction.
- ▶ **K2 Docu app simplifies site documentation and assists during the system acceptance process:** The installer can use the new K2 Docu app to handle mandatory site documentation directly, digitally and easily on their smartphone.
- ▶ **Use of the new Dome 6 flat roof system saves time because the installation is 50% faster:** The S- and D-Dome 6 is up to 80% pre-assembled and no longer has any screw connections thanks to the innovative plug-in bolt technology. A permanent fixing point system is also possible for flat roofs with a 10° pitch or lower load reserves.
- ▶ **MicroRail System reliably fastens PV systems to corrugated sheet metal roofs** with a fastening method in the roof covering.
- ▶ **RailUp provides improved ventilation** for both trapezoidal metal sheet systems SpeedRail and MultiRail.
- ▶ **Roof hook portfolio has been expanded** to include the flexible **CrossHook 4SL** for the SolidRail System and the new **SingleHook Alpin** roof hook for high snow loads.

### **K2 Base 3.0 speeds up the PV design phase**

The new intuitive interface, the improved input fields, the clearer navigation and the reduced menu bar make the user interface even easier and speed up the design phase thanks to improved system programming. The new dashboard also enables efficient order processing and simplifies the project management of the now more than 20,000 active users.

If the user has urgent planning questions, they can chat directly with the K2 Sherpa in German, English or French via WhatsApp or Facebook Messenger and solve the problem. Another way to save time is to use K2+. The data transfer eliminates the need to re-enter the project data, for example, in tools from the power inverter manufacturers Fronius, GoodWe, KOSTAL, SMA or SolarEdge, and from now on also for the Archelios Pro yield forecast tool.

### **K2 Roof Check app determines a benchmark price in seconds**

With the K2 Roof Check app, the user records the most important project parameters directly on the roof – as the name suggests – and stores them in its project memory. They then access this directly in the office at a later point and begin to design the system in K2 Base without having to enter the data a second time. This saves time and thanks to the integrated product catalogue, the installer has all system families to hand at all times.

The so-called benchmark price matrix function has been added to the app; the user can immediately use this to obtain a reliable benchmark price (price per kWp and a total price) based on the number of modules, module output power and mounting system. "The K2 Roof Check app is a great sales support tool because the installer gives the end customer reliable prices during the initial discussion and illustrates the planned solar system using reference projects – all from their smartphone," says Stefan Köhl, Head of Digital Solutions at K2 Systems.

### **K2 Docu app simplifies site documentation and assists during the acceptance process**

"One of the time-consuming tasks for an installer is usually bureaucratic documentation. We looked at this problem area for our customers and, with our second app, we developed a tool that can be used to handle the mainly analogue hotchpotch of paper digitally and quickly and to complete the acceptance process," continues Stefan Köhl.

With the K2 Docu app, the installer adds and collects all documents and completes the documentation with the customer's signature directly on site at the handover. Due to the shared account for the

K2 Docu app, the K2 Roof Check app and K2 Base, the app contains, for example, the appropriate documents for the mounting system, including the product data sheet, the assembly instructions, the K2 Base report or the warranty terms and conditions. The user supplements this with an intuitive drag & drop function, such as with documentation from the manufacturers of the solar modules and power inverters used and has everything combined in one place.

"Our K2 Roof Check app provides support during the offer phase, K2 Base assists in the planning phase, our support team, our webinar and video material help during the installation phase and the new K2 Docu app now also provides assistance during the documentation phase," outlines the Head of Digital Solutions. The K2 Docu app will be soon available to download in the app stores.

### **Use of the new Dome 6 flat roof system saves time because the installation is 50% faster**

"A roof construction needs to be easy to install and simple! We achieved this with the new Dome 6 flat roof system because the installation is 50% faster," says Matthias Rentschler, product manager at K2 Systems.

The faster installation time of the S-Dome 6 (single-sided) and the D-Dome 6 (double-sided) is achieved by the fact that the system is 80% pre-assembled and interconnected by means of plug-in bolts, so there are no longer any screw connections. In addition, K2 Systems offers a practical distance gauge that can be used to quickly align the rails on the roof.

The Dome 6 features the flexible Mat S made of EPDM, which absorbs and compensates for the tolerances. The flat roof system is combined with the well-known SpeedRail as the base rail. This makes it an all-rounder as it is used with the Mat S on flat roofs and in conjunction with the SpeedClips on pitched trapezoidal metal sheet roofs.

For flat roofs with a steeper pitch ( $> 3^\circ$ ) or low load reserves for adequate ballasting, the Dome FixPro Set now offers the appropriate solution for a fixing point system. Thanks to the anchoring, all K2 flat roof systems can be installed on roofs with a pitch of up to 10 degrees, thus saving on ballast. The planning of the anchoring will soon be possible in K2 Base and will be taken into account automatically – depending on the roof pitch entered. The user can choose from a pre-selection of anchors or enter the respective anchor force defined by them. At the end of the design phase, the user gets the position for the anchoring in addition to the number of anchors in the project report.

## **MicroRail System reliably fastens PV systems to corrugated sheet metal roofs**

The new MicroRail System offers a very fast and easy to install solution for corrugated sheet metal roofs. The special feature of the system is the MicroRail component, which is a roof fixation and rail combined into one component. In conjunction with the adapter plate (MicroRail CSM Set), the system offers an original alternative as it is fastened directly to the roof covering and not with an additional hanger bolt or solar fastener as was previously the case.

The aluminium MicroRail is screwed directly to the high crests in parallel with the beading using thin sheet screws. "Buildings are often covered with corrugated sheet metal, especially in Australia, Brazil and Asia. Here, the new MicroRail System is a material-optimised solution that is very quick to install," continues Eva Berger.

The MiniClamp, the proven module clamp from the MiniRail short rail system, enables easy landscape mounting of the modules. "The design of the new MicroRail is deliberately adapted to the rail channel of the MiniRail System so that our customers can easily fit a clamp to both trapezoidal and corrugated sheet metal roofs," says Eva Berger, product manager at K2 Systems.

## **RailUp provides improved ventilation**

There is a practical additional component for the SpeedRail System and MultiRail System, the so-called RailUp. "The RailUp creates a rapid increase in the modules and ensures significantly greater yields on trapezoidal sheet metal roofs with the better ventilation," says Matthias Rentschler, the responsible product manager at K2 Systems.

"The demand for such an increase is high in markets such as Spain, Brazil, South Africa or, for example, the Middle East and North Africa (MENA). With the RailUp, we have developed a very simple and above all quick to install solution that – according to our modular principle – is suitable for both the SpeedRail and MultiRail!"

## **Roof hook portfolio: CrossHook 4SL and SingleHook Alpin**

The height-adjustable roof hook classic CrossHook is now also available for the SolidRail System. The new CrossHook 4SL is adjustable in width and height for the batten area (40/47/54 millimetres) and the height of the bracket is also adjustable (55-85 millimetres).

“The CrossHook 4S, which is popular with customers and installed in combination with the K2 SingleRail, impresses with its versatility and strength. With the new CrossHook 4SL, we now have precisely these advantages for the K2 SolidRail application as well”, says Eva Berger, the responsible product manager.

The SingleHook Alpin aluminium roof hook for the SingleRail System, which is suitable for regions with particularly high snow loads, is also new in the product portfolio.

You can find the corresponding pictures of the new products here: [www.k2-systems.com/en/press](http://www.k2-systems.com/en/press)

#### Press contact

-  Ms. Schwämmle
-  +49 (0) 7159 42 059 - 122
-  [l.schwaemmle@k2-systems.com](mailto:l.schwaemmle@k2-systems.com)
-  [www.k2-systems.com](http://www.k2-systems.com)

#### About K2 Systems

As a manufacturer of mounting systems for solar technology, K2 Systems has been developing innovative system solutions for the international photovoltaics industry since 2004.

180 employees work on cost-efficient and trend-setting mounting systems for roofs across the world at the German headquarters in Renningen and the seven branches in England, France, Italy, South Africa, Brazil, USA and Mexico. International customers and partners are convinced by the high quality and functionality of the proven mounting systems for installation on pitched and flat roofs or for tailor-made projects.

The longstanding experience, the service-oriented principles, as well as the personal touch in all dealings ensure that K2 Systems is the ideal partner.