

The Fifth Evolution - More than one step further.
The new flat roof system: Dome V



Your speaker for today



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This is K2 Systems



- ▶ As roof-top specialists, we offer **effective and economical solutions** for roofs all **around the world** and provide **professional, fast and reliable support** for our customers in the solar industry.



130
EMPLOYEES



GLOBAL
LOCATIONS



WORLDWIDE
DISTRIBUTORS*

> 7 GW

INSTALLED CAPACITY

One company, two brands



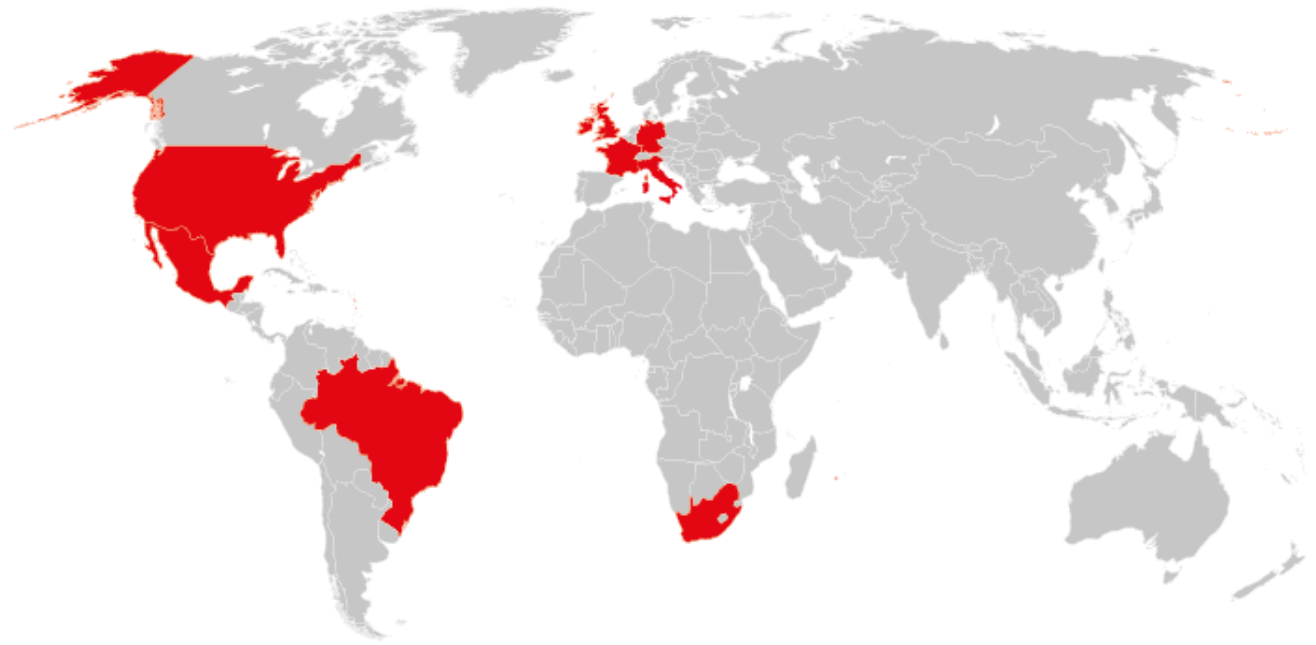
K2 Systems

- Germany
- France
- Italy
- England
- South Africa
- Brazil

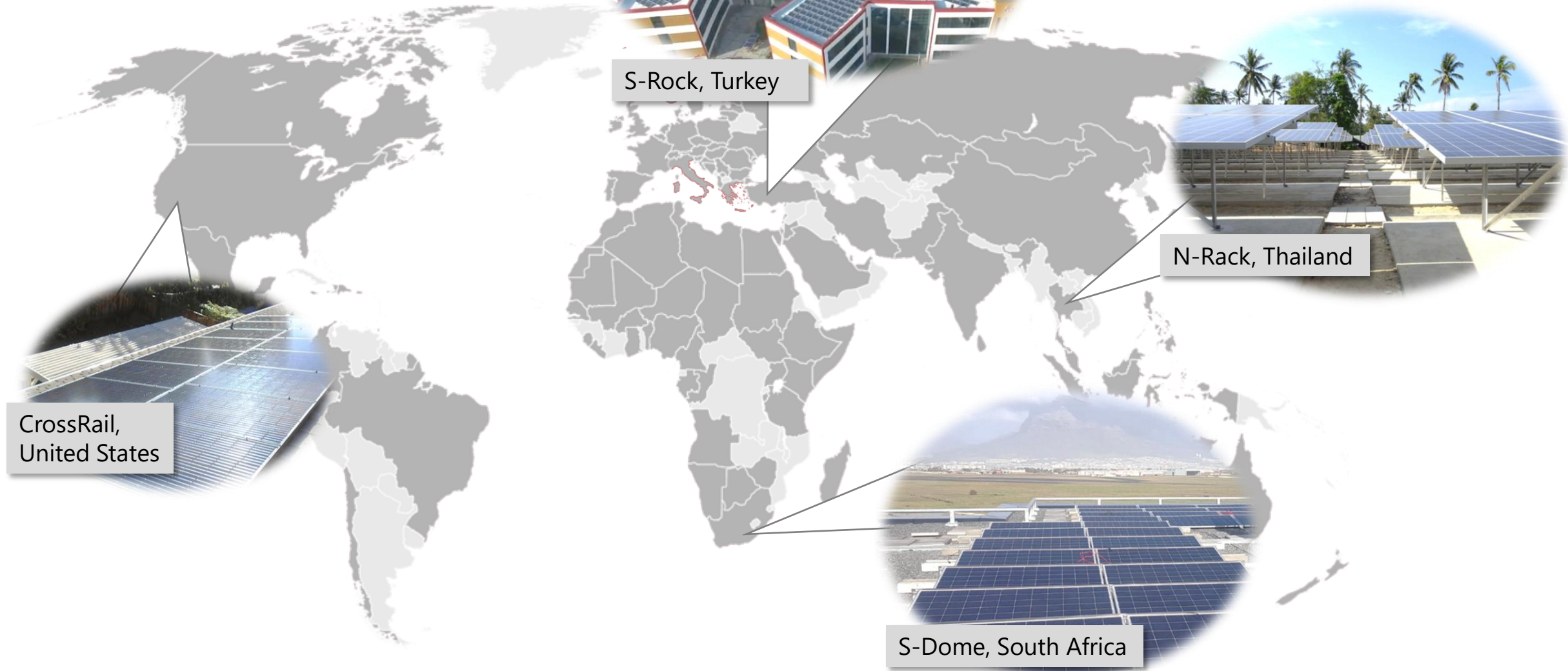


Everest Solar Systems

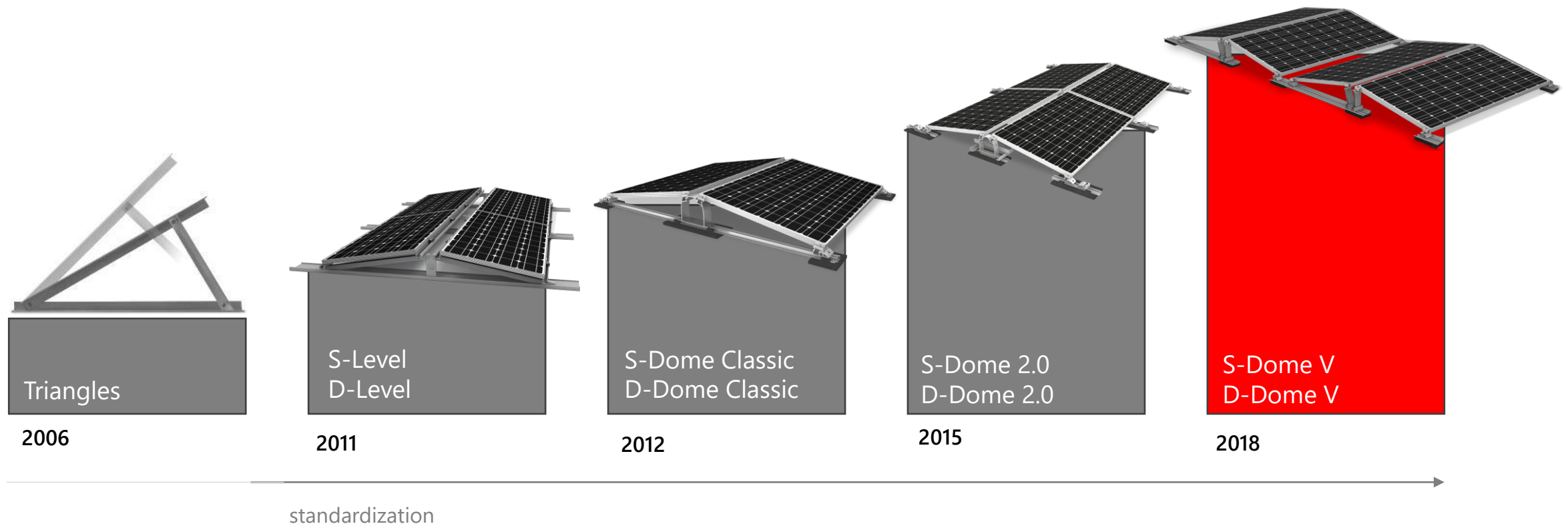
- USA
- Mexico



K2 systems installed worldwide



Dome V: The fifth evolution



Have a look on Dome V



S-Dome V

- ▶ Single-sided elevation: 10°



D-Dome V

- ▶ Double-sided elevation: 10°

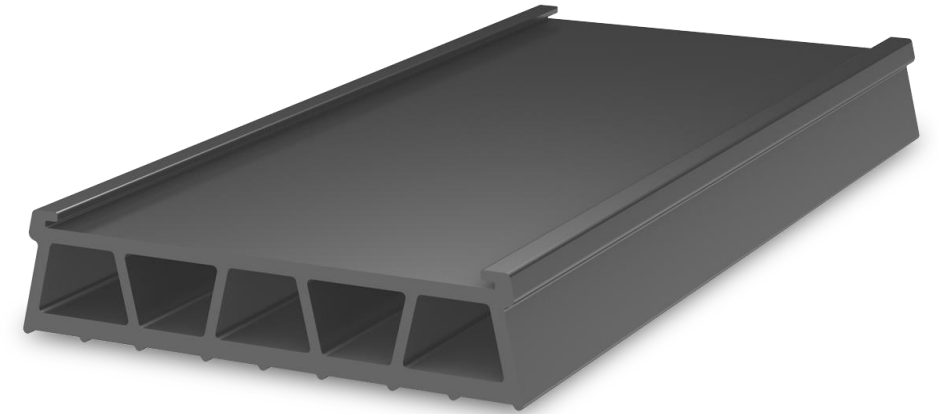
Premiere at the Intersolar Europe 2018



Benefits at a glance



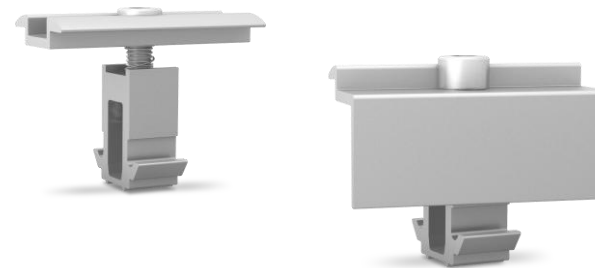
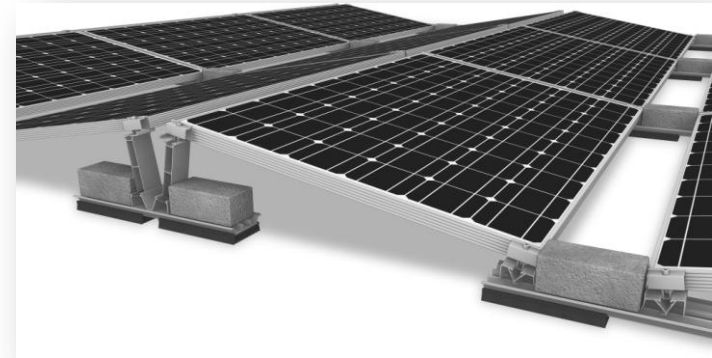
- ▶ Flexible „Mat V“ EPDM support pad
 - Absorb tolerances and protects the roof cover
 - No chemical interactions with the roof covering
- ▶ EPDM enabled better friction coefficient
 - Larger module blocks are possible
 - And it reduces ballasting
- ▶ Highly material-optimised and therefore a cost-effective system
 - Low transport volume, reduced transport costs
- ▶ Free planning in Base On



1. details: rail and components



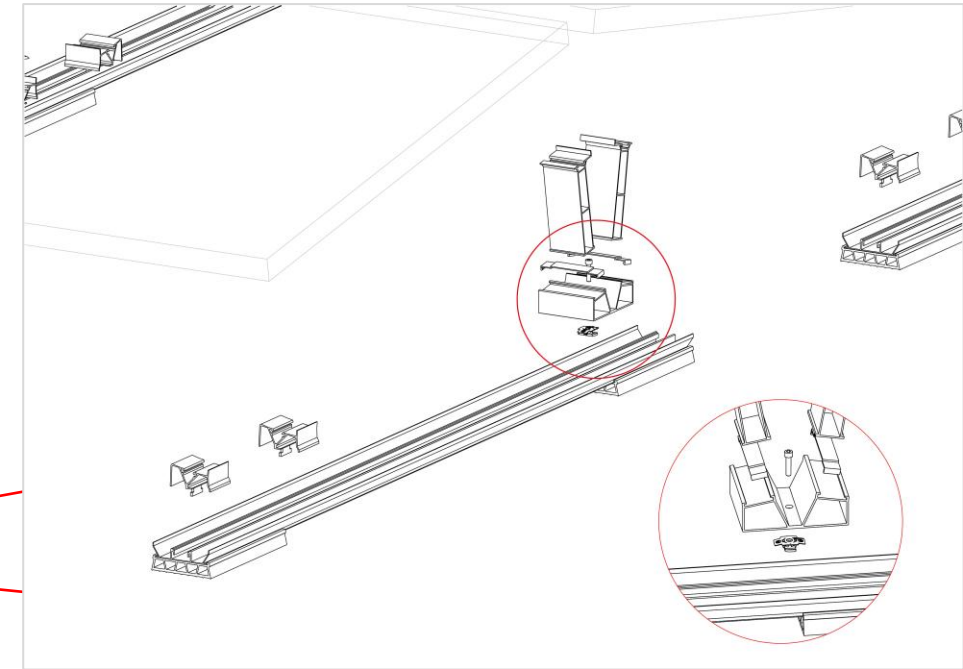
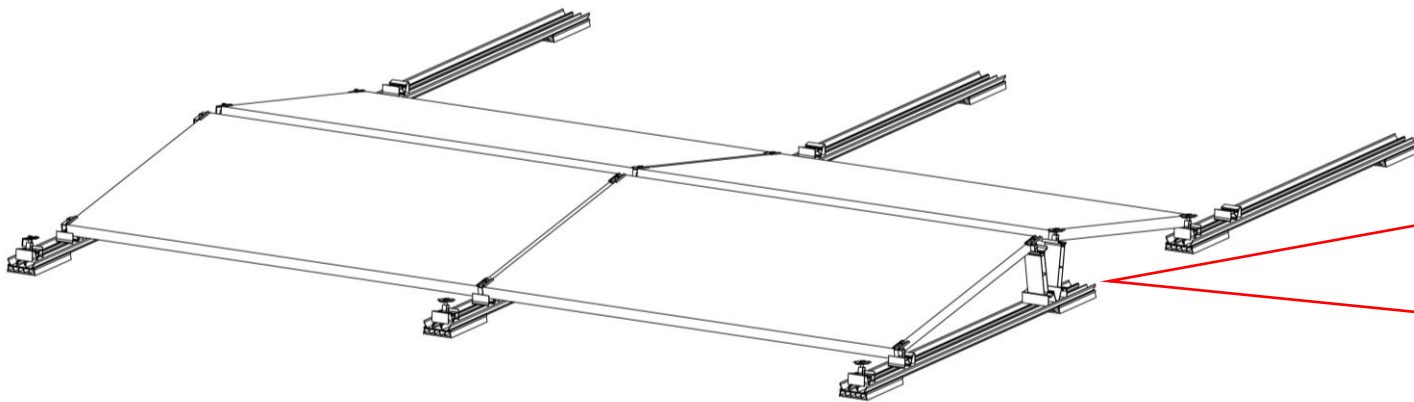
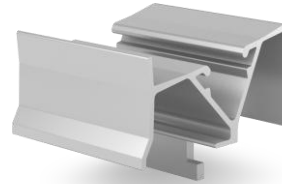
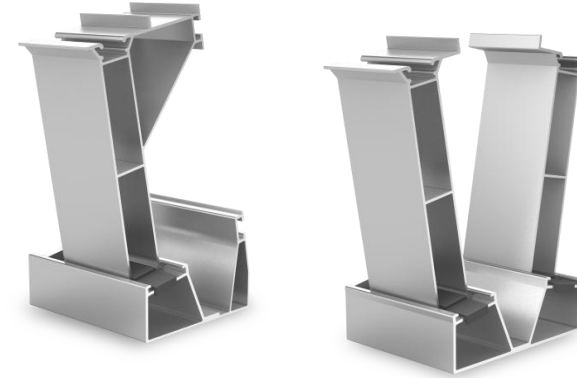
- ▶ Modular rail system
 - Integrated thermal separations
 - Enables larger module blocks
- ▶ Short mounting rails with an integrated ballast tray
 - In most cases no additional ballast adapters required
- ▶ Clamp: MiniClamp (30-50 mm)
 - Universal module clamp of the K2 modular system (MiniRail System, S-Rock System)



1. details: rail and components



- ▶ Main Dome components for module tilt mounting with integrated tolerance compensation
- ▶ Dome SD without additional screw connection
 - For 4 modules only 3 screw connections
 - Thus shortened installation time



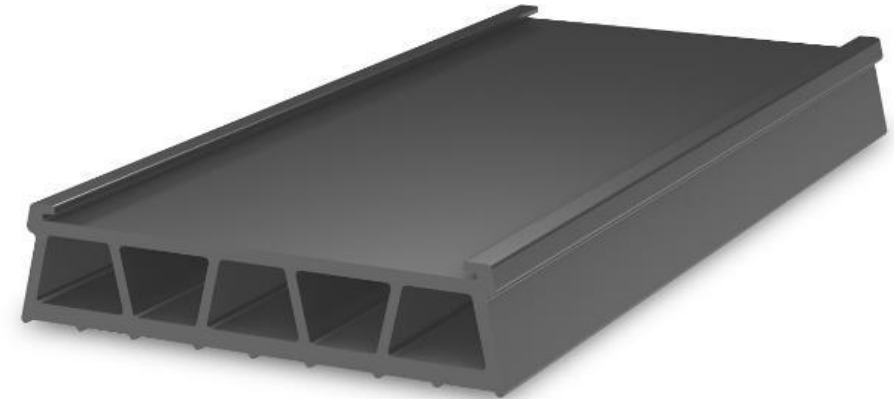
1. details: comparison of ballast of Dome and Dome V



2. details: flexible pad „Mat V“



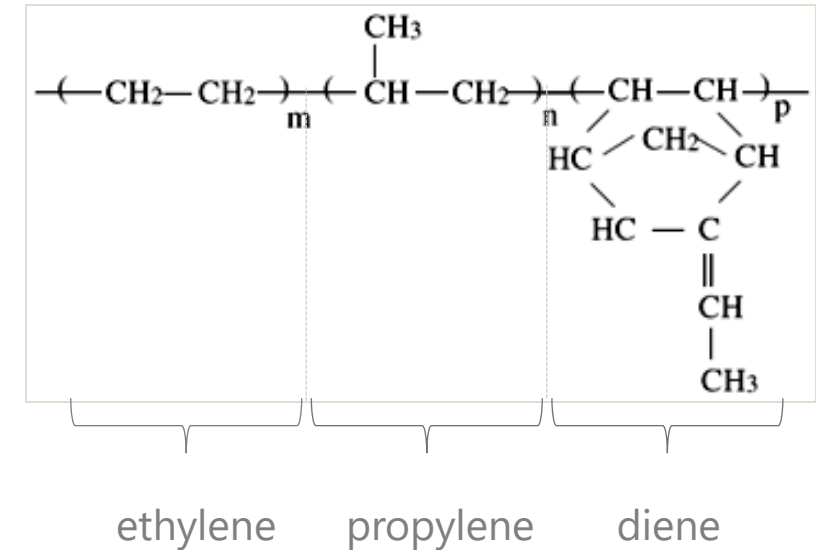
- ▶ Features of the pad:
 - Flexible
→ Absorbs the usual movements on the building site (resulting from temperature etc.)
 - One length for the system



2. details: flexible pad „Mat V“

► Material of the elastic mat:

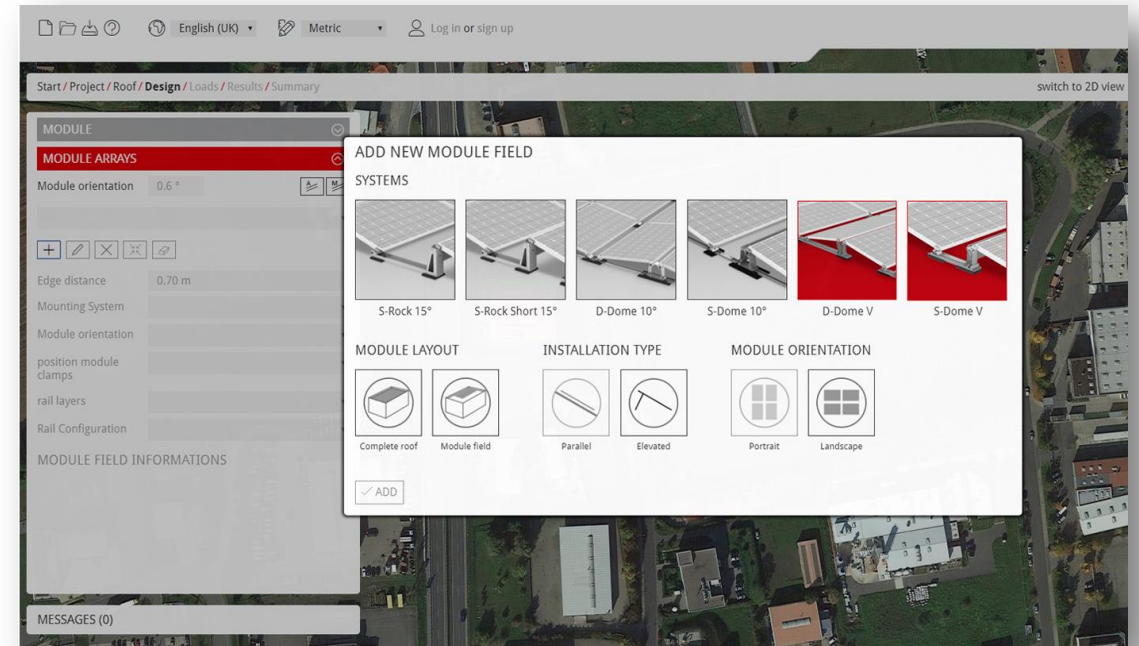
- EPDM (ethylen-propylene-diene-polymer*)
- Good chemical compatibility
→ Has no plasticizers and does not absorb plasticizers due to the saturated compound
- High coefficient of friction compared to the roofing membrane
→ System requires less ballast
- Best low-temperature and weather resistance
- Best ozone and UV resistance



3. details: planning with Base On



- ▶ Free planning tool base.k2-systems.com
- ▶ Available in 11 languages*
- ▶ All flat roof and most pitched roof systems are available
- ▶ In 5 steps to the finished design and article list
- ▶ Detailed load and ballast planning
- ▶ Graphical drawing tools for roofs and module fields
- ▶ Regular Base On webinars
<https://k2-systems.com/en/your-project/webinars>



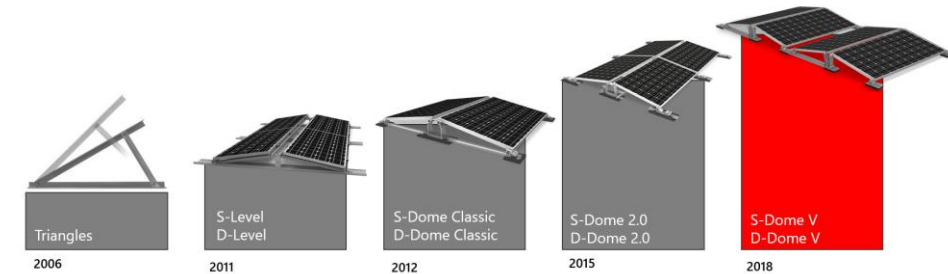
Conclusion: Dome V - the fifth evolution

- ▶ **S-Dome V and D-Dome V: The fifth flat roof generation**
 - Further development of S- and D-Dome
 - Plus new components and materials with new functions

- ▶ **Features of the new flat roof systems**

- Single-sided and double-sided elevation
- Compensates for roof tolerances
- Integrated ballast tray directly in the rail
- Hardly any screws, therefore fast assembly
- Material-optimised and thus a cost-effective system solution
- Simple planning in the free online tool

- Flexible EPDM pad „Mat V”
 - ▶ high coefficient of friction and thus lower ballasting of the system
 - ▶ No chemical interaction with the roof covering



Thank you for your attention



- ▶ For more information, see also:
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- ▶ Do you have any further questions?



<https://www.youtube.com/watch?v=68eWO0TrBtI>