

Certification of Structural Analyses

str.ucture GmbH

is a company of consulting engineers registered in the BW Chamber of Engineers.

We certificate, that the **D-Dome System** and the **D-Dome 2.0 System** of the company



K2 Systems GmbH, Industriestraße 18, 71272 Renningen, Germany
has been structurally analysed.

The design checks in the ultimate limit state of the above mentioned systems as well as the checks of position stability against lifting and sliding are fulfilled for the reference conditions listed below. All calculations were based on the design and conditions provided by K2 Systems.

The reference conditions are:

- wind load: \leq wind load zone II (GER); $q_p = 0,80 \text{ kN/m}^2$
- snow load: \leq snow load zone II (GER); 300 m AMSL; $s_k = 0,89 \text{ kN/m}^2$
- building height: \leq 18 m building height

The calculations were performed in accordance with the following applicable standards: DIN EN 1991-1-4 and -3 as well as DIN EN 1993 (steel structures) and DIN EN 1999-1-1 (aluminium).

Note: This certification does not serve as a project specific structural analysis report. The structural design for each individual project needs to be carried out considering the local constraints. The required ballast for the check of position stability will be determined in an individual structural design report.

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str.ucture
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