



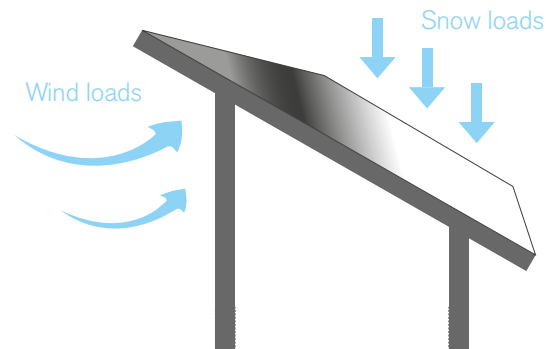
## **Ground surveys.**

**Safety for your ground-mounted photovoltaic plants.**



## Ground survey? Every centimeter counts.

Photovoltaic modules for ground-mounted systems are installed on steel profiles. The profiles are fixed in the ground. Millimeter precision is required: a profile that is too short is a risk to the stability of the ground-mounted system. An unnecessarily long profile causes high additional costs. BauGrund Süd will calculate the optimal embedment depth for the steel profiles of your ground-mounted photovoltaic system. This applies to all soil conditions. We have been experts in ground investigation since 1997. Thereby we rely on experienced specialists and state-of-the-art equipment and take responsibility.



What we offer:

- ground investigations to determine the optimal embedment depth for steel profiles
- reliable data for structural design

## Ground surveys.

### The key for safety and cost savings.

The best way to ensure the safety your ground-mounted photovoltaic system is to commission a detailed and reliable ground survey from BauGrund Süd. In order to obtain exact data, we carry out dynamic probings and ram core probings. With these methods you remain free in your decision regarding the substructure and the PV modules. And you get a reliable result for your project without the need for time consuming pull-out tests.

Special solutions such as concrete reinforcement or pressure plates are used if certain specifications must be met, or the ground conditions require it. Our experts will provide you detailed calculations for these solutions.

Our professional expertise provides a reliable planning basis for structural engineers and our client.



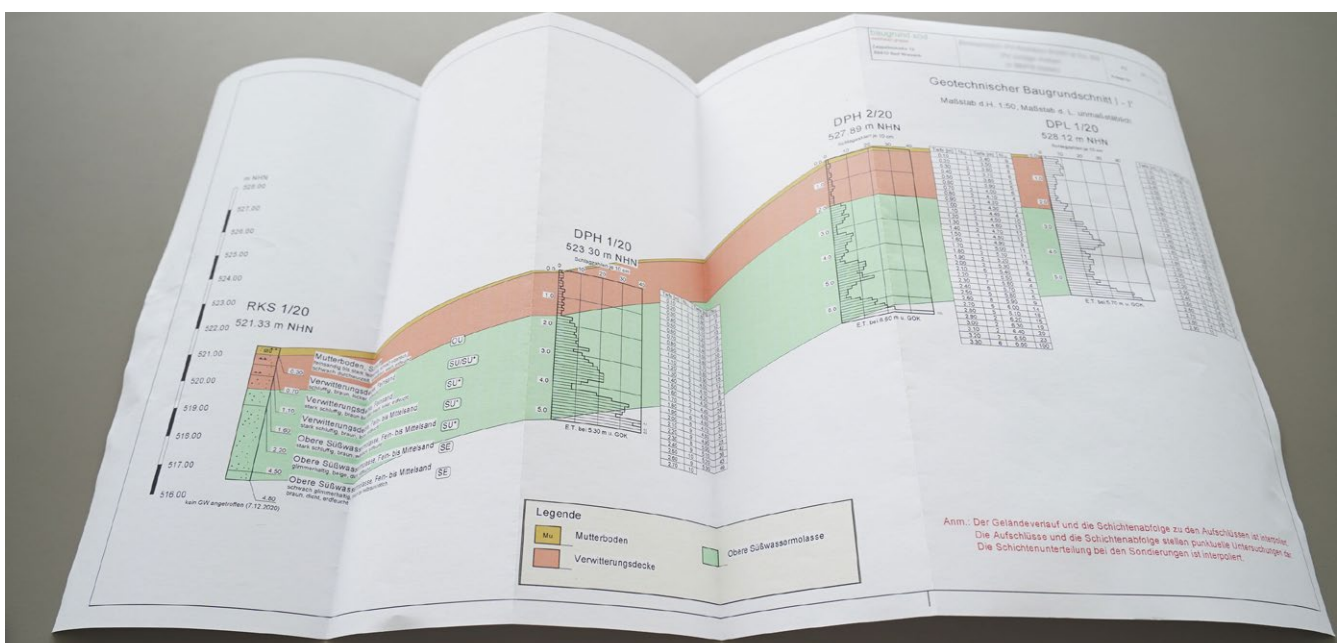
The dynamic probing precisely determines the density and load-bearing capacity of the soil layers. Soil samples are obtained with the ram core probing, which are then examined in the laboratory regarding their soil mechanical properties.



Soil samples are useful to accurately determine the geotechnical properties. We evaluate the soil at the study area and our geologists determine the mechanical and physical properties of the soil in our in-house laboratory. In addition, the corrosion probability of the soils is analyzed, which is decisive for coatings that may be required for the steel profiles.



The specific soil resistivity is determined via in-situ tests using a soil resistivity meter.



You and your structural engineer will receive a detailed report from BauGrund Süd. This includes a detailed description and assessment of the subsoil, the soil properties, the optimal ramming depth of the steel profile and the corrosion resistance.





## BauGrund Süd.

For now, and the future.

Within a short period of time, we will provide you with planning and cost safety for your ground-mounted photovoltaic plant. We accompany you during the planning process and provide a well-founded investigation of the subsoil. Our ground survey secures your investment in the best possible way. As an expert in the field, BauGrund Süd has a high level of insurance coverage and we take responsibility for our actions.

★ 470 kW PV system supplying electricity at the company site in Bad Wurzach.

### Your Contact:

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