

helioconsult

Dear Business Partner,

a great solar summer is slightly going to end in the next few weeks. One time more, solar energy has proven its capabilities to play a huge part in energy production.

High decrease in cost, especially for solar modules, has made the technology even more cost efficient. Currently the lowest energy production cost (3.8 - 6.8 EuroCent/kWp) can be reached with free standing solar systems (Wikipedia - ISE March 2018).

Upcoming PPAs (Power Purchase Agreements) and e.g. solar-rent models in Europe allow end-customers to participate from low production prices with individual contracts.

Therefore it is the time now to re-think traditional concepts which are simply not efficient anymore.

Not even because solar technology is much more environmental and human friendly, just because of economic reasons.

For example highly subsidized brown coal plants, which are probably the most inefficient way of energy conversion, should be shut down as soon as possible. The energy coming from those plants is sold in large parts to European countries and not even participating in the local consumption, which shows that this technology has become obsolete.

While subsidization was necessary also for the renewables, like for any other new technology, end-customer power prices could be much lower by involving high consumers, which are currently exempt from EEG reallocation charges.

In general it is the time now for new ideas and innovations for a future energy landscape. helioconsult is proud to be part of this process.

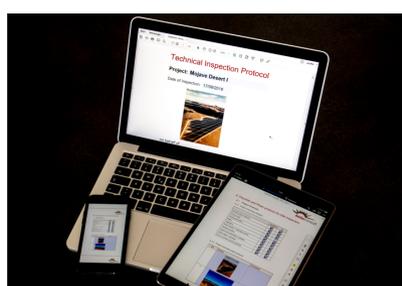
We hope you will enjoy this newsletter and we wish you a very successful month!

Dr. Daniel Faltermeier
Managing Partner



This month's topics:

- **Standardized Inspection Reporting**
- **Time for a check-up**
- **Company presentation and more for download**



Inspection Reporting (automated)

A couple days ago we announced our standardized reporting templet for solar system inspections.

This tool guides through the complete visual inspection process and allows to create a full report on any mobile device directly on site.

Included checklists make sure no relevant points are missed during the inspection.

Divided into 11 subsections, looking into the main components of a solar system guarantees that all relevant functionality, quality and safety issues are covered during the site visit.

- Project overview
- PV-modules
- Storage (optional)
- Inverter
- Transformer
- Grid interconnection
- Cabling / combiner boxes
- Lightning protection / grounding
- Foundation
- Monitoring system
- Security system

Measurement results e.g. from the module inclination and shading angles can also be entered in pre-designed lists for later comparison with planning documents. Photo documentation of the current status is also done directly via the mobile device.

To provide the highest flexibility, this templet is based on an pdf-document, so it is possible to open it from any mobile device and adapt and complete the report on a desktop computer later, if necessary.

The templet is available now for our partners and our own field team. It makes on-site inspections more reliable and efficient and follows our approach to reduce cost with no decrease in quality.

Individual partner training is also available for the tool.

How to become a partner and what benefits you can expect, visit our parter page:

[Partners](#)



Time for a check-up

Now it is the time to get your site checked!

Weather is still good to identify hidden problems via thermo-imaging and module capacity measurements, but without the high loses during summer time when parts are disconnected.

Get an overview how your project is doing and find potential risks for the next great solar season.

Quick checks are now available!

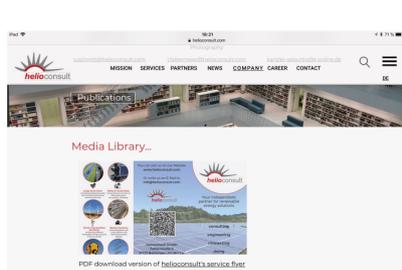
While in winter time, potential problems often can't be identified because of the usually not ideal weather conditions, this is still possible in fall. Also it is a good time to run necessary measurements for example for DGUV examination test.

We would suggest the following inspections.

- Visual inspection
- Safety inspection
- DGUV conform electric measurements (Voc, Isc, Insulation resistance)
- Thermographic inspection
- Solar generator capacity measurement

Contact us and get your individual offer today, to make sure your project or entire portfolio works still most efficient.

[Contact us](#)



Company presentation and more for download

We have uploaded couple more documents into our media library section on our company website. Check out the latest documents and videos about our services.

[Media Library](#)

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