

With the growing number of PV-plants remote monitoring plays an increasingly important role for fitters and system providers. Nowadays the monitoring is mostly proceed by the carrier. The fitter is not directly involved in the monitoring. Problems are therefore often identified with delay.

Concept of the SOL.Connect iGateway:

- Carrier's monitoring remains unchanged
- Monitoring is also carried out by the fitter
- Small timely delay until error detection
- **Fitter provides proactive service**



Carrier

The users operate PV-Plants with components of different manufacturers and technologies. The plants are equipped with data loggers and modems (respectively could be fitted with that within a service contract). For the operating of iGateway no internet capable data loggers are required.

Fitter / Supplier

By operating of the iGateway plant information is automatically retrieved to the plant status. On the basis of the following data analysis corresponding reports are being generated, which can be sent to the carrier.

The main attraction in this case is that the report comes from the fitter.

The connection to higher-level web portals and monitoring systems is now also available for simple data loggers. Service contracts become possible without investing a lot of time on part of the fitter.

Manufacturer / System provider

Manufacturers respectively system providers get access to plant data and malfunction messages via the "intermediary" fitter. Hence, the communication chain remains intact through which service and warranty can be provided more easily.

Technology

Hardware:

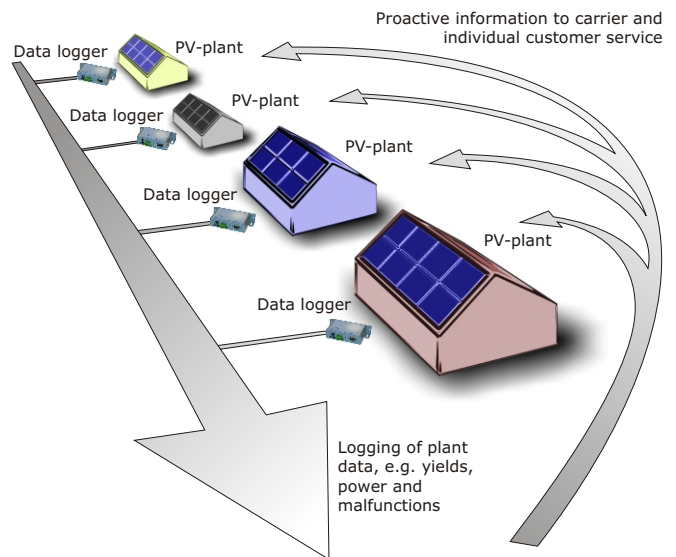
- SOL.Connect® Center

Functionality:

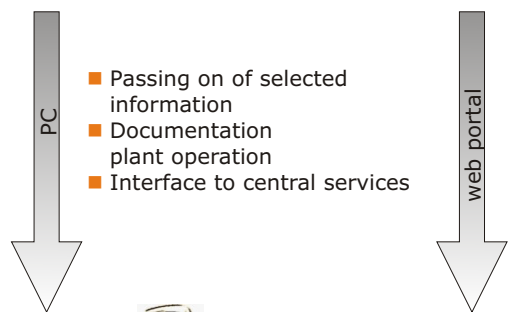
- Connection manager for the administration of up to 30 active PV-plants
- Communication with data loggers of the SOL.Connect product family
- Communication with SOL.Connect Data Warehouse
- Transfer of reports via FTP, HTTP-upload, e-mail

Expandability:

- Communication with products of other supplier like e.g. Sunnyboy and other data loggers on request.
- Freely programmable and therefore integrable in to many system environments



SOL.Connect® iGateway
Standardised communication



- Automatic dial-up of multiple plants
- Centralised monitoring
- Regulation of warranty
- Product development
- Presentation / advertising