

SunCarrier Services.

Everything for the maximum yield of your solar plant.

 Global presence
at more than
75 international
locations!



→ generate → store → utilise

The sun is always present. We are following its example.

GILDEMEISTER **energy** solutions offers industrial clients and large investors **innovative system solutions as well as comprehensive after-sale service and support for renewable energy generation, storage and utilisation.** For energy generation, the high-performance tracking systems of the SunCarrier product series and the SunCarrier fixed offer impressive options for individual applications as well as ready-made solar parks that can be set up worldwide.

→ If required, GILDEMEISTER **energy** solutions provides **full project management support** for you. From development and planning to system set-up, operation and ongoing maintenance service.

→ Our **SunCarrier service personnel** will help you with all services and maintenance work to ensure the safe and efficient operation of your system. Worldwide, we service more than 115 MWp in solar parks from a range of manufacturers as well as our own.



Service is only perfect when everything works perfectly.

With our service and maintenance offers we sustainably ensure **maximum energy yields** and the highest possible operating availability of the solar plants. **Local service technicians are available worldwide for our customers, even after project commissioning**, to ensure safe and efficient operation and production by providing technical support and carrying out regular maintenance, in accordance with the service contract.

Our services from the individual packages can also be provided as single services, if required.



Overview of services

Technical operation service package

→ Cleaning

- Suitable cleaning machines according to requirements and park
- Roadworthy cleaning machines
- Small devices for flexible use, also for smaller objects
- Cleaning of large systems and tracking systems as well as fixed position elevated systems

→ Breakdown repair/spare parts management

- Efficient and fast repair of faults in all subsystems of the plant by specialised staff
- Service hotline in the case of malfunctions
- Organisation and supervision of security service
- Procurement management/logistics
- Low downtime through intelligent spare parts storage
- Individual spare parts supply
- On-site distribution
- Spare materials in the plant on demand
- Own vehicle fleet
- State-of-the-art tools/equipment

→ Maintenance

- Carrying out all regular maintenance work defined in the operating manual of the plants
- Meter maintenance and replacement
- Preventive and predictive maintenance management
- Infrastructure maintenance (gardens, paths, etc.)

→ Annual inspection

- **Inspections to ensure the modules functional efficiency**
- Visual inspections and checking performances of individual elements
- Inspection and correction of mechanical structures, substructures and anchorage
- **Checking of mechanical condition of cables, contacts and connections**
- Inspection of functional efficiency of electrical components such as inverters, controllers, distributor boxes and safety devices
- Maintenance of transformers, protection and distribution centres
- **Checking and maintenance of communication and security systems**
- Drawing up maintenance and inspection reports

→ Reconstruction and optimisation

- Park occupancy and object analysis
- Cooperation with architectural firms, civil engineering companies and surveyor
- Modernisation and optimisation of all installed components
- Technical improvements (mechanical, electrical, communication technology)
- General overhaul and repair of hardware components
- Repair of constructional defects



Monitoring and control service package

- Data management: current yield, irradiation, weather station, target vs. performance comparison, yield prognosis, availability and performance ratio
- New control station software for plant monitoring
- In collaboration with Meteocontrol GmbH further development of the monitoring portal specifically for large solar power plants
- Alarm management
- Error diagnosis: accurate identification of error cause and error location in the park
- Error analyses/statistics database
- Extended analysis functions
- Individual configuration of alarms
- Report generation
- Document database

Commercial operation service package

- Commercial billing for the PV power plant
- Checking all bills and credit items
- Billing with energy supplier
- Controlling of operating costs
- Contractual documentation
- Point of contact for all matters concerning the authorities, banks, insurances and energy suppliers
- Documentation and monitoring of all contracts
- Coordination of lease administration
- Support with event presentations



Generate up to 20% of your power requirements.

Free yourself from increasing power costs with innovative and fully integrated solutions to generate, store and utilise 100% sustainably generated energy.



Global presence: GILDEMEISTER energy solutions operates a global service network in cooperation with 75 international GILDEMEISTER sales and service locations.



MORE INFORMATION HERE!

If your mobile phone comes with QR-Code recognition software, you will be directed to www.gildemeister.com.

→ generate

→ **SunCarrier:** The SunCarrier is a **unique tracking system** which continuously aligns the surface of its modules with the current position of the sun via its vertical axis.

→ **WindCarrier:** The new generation of small wind turbines using the Darrieus principle with a rated power of 10 kW **guarantees efficient power generation.**

→ store

→ **CellCube:** A new generation of stable electricity storage devices – the long-life and low-maintenance vanadium-based **redox flow battery** provides **uninterruptible power, supplied for example by solar- or wind-powered systems.** The large, weather-proof battery is extremely low-maintenance and is therefore able to supply clean electricity 24 hours a day.

→ utilise

Intelligent products and technologies for modern energy management:

- e-mobilitysolutions → telesolutions
- backupsolutions → off-gridsolutions
- industrialsolutions → powersolutions

→ Visit us at our **energy solutions Park in Bielefeld** and experience modern energy supply first-hand: Gildemeisterstrasse 60, 33689 Bielefeld, Germany

GILDEMEISTER energy solutions:
 Tel.: +49 (0) 931-25064-120, Fax: +49 (0) 931-25 064-102,
 energysolutions@gildemeister.com, www.gildemeister.com
a+f GmbH: Carl Zeiss Strasse 4, 97076 Wuerzburg, Germany
cellstrom GmbH: Industriezentrum NÖ Sued, Straße 3, Objekt M36, 2355 Wiener Neudorf, Austria

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