

# Rooftop PV systems: Photovoltaics for industry and commerce

Benefit from a rooftop PV system from SENS: individual, capable, self-sufficient! Our SENS experts guide you through the 10 steps to your turnkey rooftop system. In the process we develop a customised solution, tailored to the individual requirements of your company. We also design your rooftop photovoltaic system from a minimum system size of 90 kWp.

10 steps to your  
roof-top PV system

[www.sens-energy.com](http://www.sens-energy.com)

**SENS**  
STEAG Solar Energy Solutions



# 10 steps to your rooftop PV system

# 01



## Non-binding enquiry by telephone or e-mail

Give us a brief, informal description of the general scope, aims and circumstances of your project. You can simply send us your enquiry per [e-mail](#), by phone at +49 931 250 64 230 or directly via the [contact form](#).

## Checklist for outline planning



In order to create an initial rough plan for you, we need some more information in the next step. You'll find a complete checklist for this on the last page. Once all the data is available, our experts can start planning.

# 02

# 03



## Project design including cost breakdown

In the third step, the SENS experts draw up a project design that is individually tailored to your situation. The design includes a non-binding offer including cost breakdown, system layout and economic efficiency analysis.

## On-site appointment for individualised advice



In the next step we need to arrange an on-site appointment to clarify the final technical details. Following the appointment, you will receive the detailed planning of your PV system.

# 04

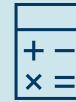
# 05



## Detailed fine-tuning

To benefit from green electricity from your own production in the future the country-specific laws and regulations must be taken into account and the requirements of the responsible grid operator must be checked.

## A binding offer for our services



# 06

You will receive our offer for a PV system tailored to your individual requirements with all costs – as a turnkey solution! On request, our team will supplement a suitable battery solution for your own consumption or peak shaving.

# 07



## Construction and installation of the rooftop system

In step 7, the construction of the solar system can begin. As a guideline for the approximate time the system will take to construct, you can use the following rule of thumb: allow a construction period of approximately one week per 100 kWp installed capacity.

## Acceptance & commissioning of the energy solution



# 08

The acceptance inspection is done jointly with the person responsible in your company. After the technical readiness for operation has been established, the initial start-up of the system generally takes place together with the acceptance inspection.

# 09



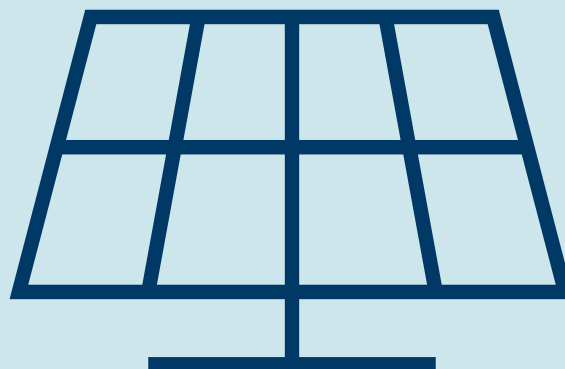
## Instruction on how to operate your PV

During the initial commissioning of your new PV system, we show you how the main components work, explain the operation of the entire system and describe relevant operating states and resulting procedures.

With the successful commissioning of the new solar roof system, your company is on the way to an energy-efficient future. If you wish, SENS will of course continue to support you.

# 10

## Operation of the rooftop PV system



# Step **2**: Checklist for outline planning



## General information

Company

Project address

New build  Existing building

The generated electricity  Self-consumption  Full feed-in  PPA

## Roof area

Roof type

Roofing material

Subconstruction/insulation (datasheet, if applicable)

Slope

Roof reserve load capacity adequate for PV?  Yes  No If yes, how many?

Light domes, Smoke / heat extraction systems (opening direction, fall-through safety)

External lightning protection installed?  Yes  No Building height (cross section drawing if available)

## Energy requirement (for self-consumption only)

Annual electricity consumption (in kWh)

Electricity price (in € / kWh)

## Documents – please include in appendix

- Layout plans with cross sections of the roof
- Electrical circuit drawings (LVMDP with feeder for PV)
- Power consumption load profile (15-minute values)
- Feed-in connection approval (if available)