# 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 750 kWp.

## 10 steps to your roof-top PV system

www.sens-energy.com

SENS
Iqony Solar Energy Solutions

# 10 steps to your rooftop PV system

## 01

### Non-binding enquiry by telephone or email

Give us a brief, informal description of the general scope, aims and circumstances of your project. You can simply send us your enquiry per email, by phone at +49 (0)931 25064 230 or directly via the contact form.

## 02

### 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.

## 03

### Project design with 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 electrical planning.

## 04

### On-site appointment for individualised advice

In the next step we need to arrange an on-site appointment to clarify the final technical details. Our experts will design the load-bearing components of your system, which must be approved in relation to the building before construction can begin.

## 05

### Detailed fine-tuning including network compatibility check

In order for you to benefit from the green electricity you will produce, a grid compatibility check is required, which we will submit to the grid operator for you. Another requirement is the system certification of your rooftop system.

## 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

## Installation and set-up 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 200 kWp installed capacity.

## Acceptance & start-up 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

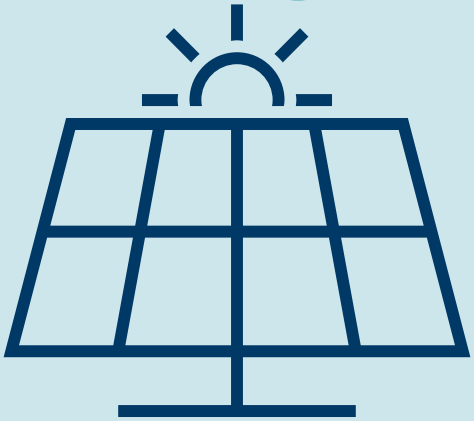
## Instruction on how to operate your PV

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.

10

## Operation of the rooftop PV system

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.



# Step 2: Checklist for outline planning

## General information

Company

Project address

☐ New build ☐ Existing building

The generated electricity ☐ Own-consumption ☐ Full feed-in

## Roof area

Roof type

Roofing material

Subconstruction/insulation (datasheet, if applicable)

Slope °

Roof reserve load capacity adequate for PV? ☐ Yes ☐ No

Light domes, SHE (opening direction, fall-through safety)

External lightning protection installed? ☐ Yes ☐ No

Building height (cross section drawing if available)

## Energy requirement (for own-consumption only)

Electricity consumption

Electricity price [in €/kWh]

15-minute load profile (if available)

## 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)

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