



ROOFING

Sika[®] - Centroplan

YOUR PARTNERS FOR SAFE SOLAR INVESTMENT

THE WAY TO SAFE AND SUSTAINABLE SOLAR INVESTMENT

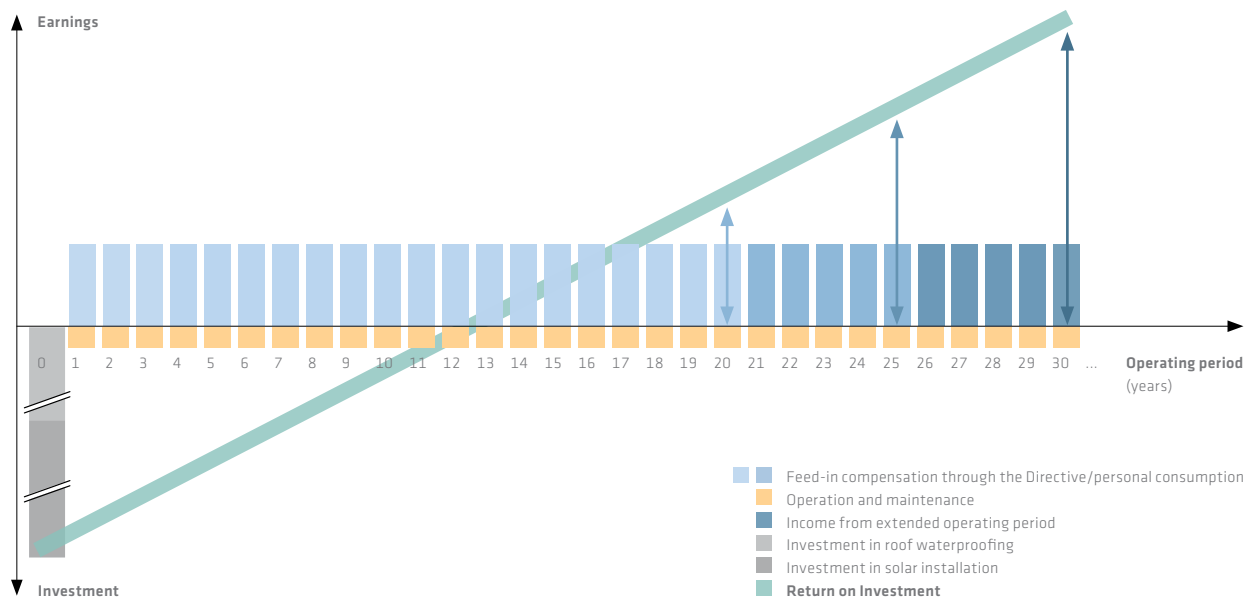
GET THE MOST OUT OF THE INVESTMENT IN YOUR ROOF WITH FEED-IN TARIFF SCHEMES

Since 2000 in Germany, and later in other European countries, the Renewable Energy Directive has required network operators to take power from other people's photovoltaic systems.

The initial high feed-in tariffs were introduced to achieve photovoltaic growth targets. Lower photovoltaic installation prices, together with associated greater competitiveness of the energy produced, have now led to deep cuts in these tariffs.

HOWEVER SYSTEMS WITH NETWORK FEED-IN FROM SOLAR POWER INSTALLATIONS CONTINUE TO BE ATTRACTIVE WHERE NO CONSUMPTION IS REQUIRED IN THE IMMEDIATE VICINITY.

Investment Example: Simultaneous new roof waterproofing and PV installation with earnings development



THE PACKAGE FOR LONG TERM, WORRY-FREE SERVICE WITH Sika® – Centroplan: TWO PROFESSIONAL COMPANIES

Careful choice of the right partners is essential for a profitable and sustainable investment in roof waterproofing and a photovoltaic installation with no unpleasant surprises. The most important selection criteria are extensive experience in roof waterproofing and its professional installation plus proven expertise in photovoltaics.

Sika has produced reliable roof waterproofing systems for decades and supplies complete solutions with all of the necessary products and accessories. With our experience from production and installation of several hundred million square metres around the world, Sika can provide reliable solutions

for any flat roof, be it a plastic waterproofing membrane of FPO (flexible polyolefin), PVC (polyvinyl chloride), or a liquid applied PUR membrane (one-component polyurethane). Centroplan was founded in 2007 and is specialized in medium to large-scale photovoltaic solar power systems for both roof and ground mounted installations. An experienced team of Engineers, Business Economists and Project Managers in several countries can cover all phases of a photovoltaic project (project concepts and development, project financing, design & engineering, procurement & installation, operation & maintenance). By coordinating our partners and other suppliers Centroplan is able to provide the highest photovoltaic system quality from a single source.

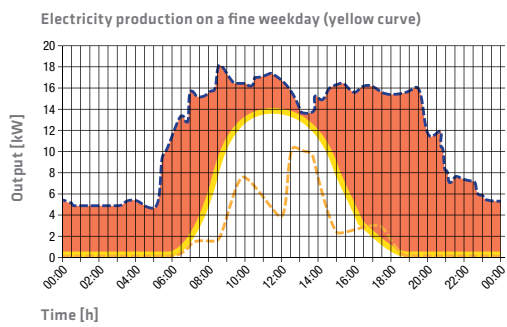
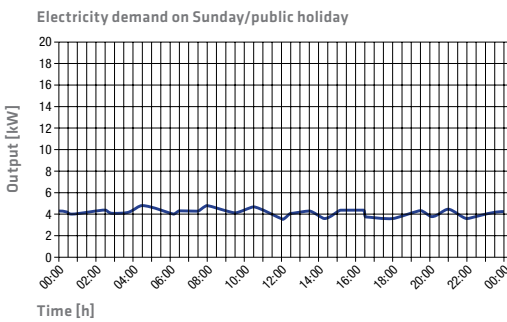
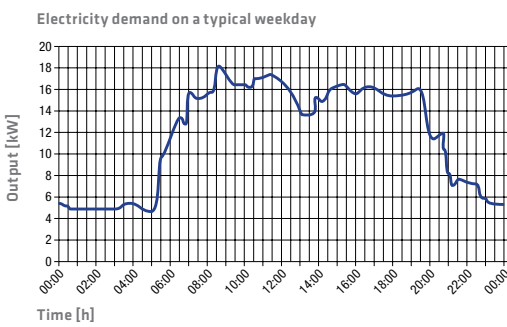
PERSONAL CONSUMPTION OF PRODUCED SOLAR ENERGY

Along with the feed-in tariffs, some Directives also incorporate a special regulation subsidising the personal consumption of solar power immediately adjacent to the installation. Anyone retaining some or all of the solar power for personal use therefore saves on energy costs and also receives a

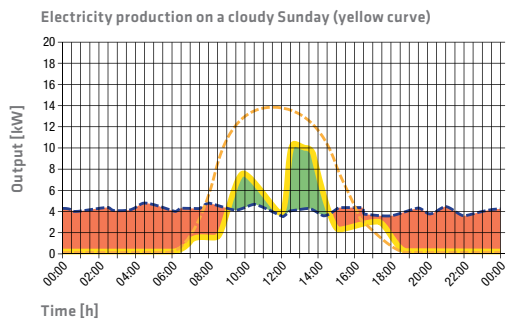
government grant for the power generated. The personal consumption regulation is particularly attractive for operators who have a high requirement for electricity during the day and a solar installation which can produce part of the required amount during the same period.

PERSONAL CONSUMPTION OF SOLAR POWER IS ALWAYS WORTH-WHILE AND WILL BECOME EVEN MORE ATTRACTIVE AS ELECTRICITY PRICES KEEP GOING UP.

An example of the load progression of a retailer in relation to their electricity production on the roof and their personal consumption



On a fine summer day during the week all the electricity produced is used in the shop. **Purchases: the red area only.** Therefore no feed-in is possible or necessary.



On Sundays or public holidays base load operates in the store. Even on a cloudy day, in addition to the **purchases at night (red area)** a production surplus can be fed into the network or stored for later use: **green area.**

FUNCTIONS AND RESPONSIBILITIES OF THE COMPANIES PARTICIPATING IN THE PROJECT:

PV Service Provider	Centroplan GmbH	<ul style="list-style-type: none"> Professional roof and photovoltaic system design Commissioning, network connection, monitoring, warranty management (optional)
Roof waterproofing system supplier	Sika	<ul style="list-style-type: none"> Production and supply of the waterproofing membranes with all of the required ancillary products and accessories as a complete tested system (incl. PV mounting system)
Roof installation	Roof installer	<ul style="list-style-type: none"> Professional installation of the complete roof waterproofing system Regular maintenance of the roof under a separate agreement Sika certified
PV system delivery	PV system supplier	<ul style="list-style-type: none"> Production and supply of the photovoltaic components PV product performance guarantees Recommended by Sika and Centroplan GmbH
PV system installation	PV installer	<ul style="list-style-type: none"> Professional installation of all photovoltaic system components Regular maintenance of the PV installation under a separate agreement Recommended by Sika and Centroplan GmbH

Sika SolaRoof®: FOR A GUARANTEED SOLAR INVESTMENT



SIKA'S ROOFING COMPETENCE

- Systems for all types of existing and new flat roofs
- Solutions with sheet waterproofing and liquid applied membranes
- Fully comprehensive service
- No compromise on quality for over 100 years
- Financial strength and independence
- Up to 20 year roofing guarantee

SIKA'S EXPERIENCED SOLAR PARTNERS

- Specialist contractors for solar installations
- Specialist roof waterproofing contractors
- Specialist solar system suppliers
- Specialist solar system installers
- Up to 25 year performance guarantee
(Issued by the PV system manufacturer)

SIKA'S SOLAR PARKS

- Sika solar parks at various locations
- Realistic field tests with different systems
- Development of specific systems
- Acquisition of experience with multiple systems
- Visitor facilities for interested parties



Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



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