

Process Heat
Direct Steam Process Cold
Renewable Energy Solutions Onsite
Desalination Photovoltaic Air Conditioning
Polygeneration Power Generation
Process Air Combined Heat and Power
Water Treatment

○ Renewable Energy Solutions Onsite

Energy efficiency and renewable energies provide opportunities to reduce costs and emissions. Due to the complexity of industrial energy systems the integration requests know-how and experience.

Efficiency

Delta-T

Local Energy Cost

Process Temperature

Financing Options

Design Factors

Heat Transfer Fluid

Storage

Process Temperature

Carbon Footprint

Load Profile

Off-Grid

On-Grid

Fossil Fuel

Emissions

Operation & Maintenance


Solar Irradiation


System Pressure


Peakload


Industrial Solar has the capabilities to assess the use of energy as well as to identify and implement solutions. Our scope covers consulting, engineering and turn-key projects.


Industrial Solar provides customized energy solutions to facilities in the medium power range covering:


HEAT

COLD

STEAM

POWER

WATER

MONITORING

Industrial Solar is a leading solution provider for energy projects with references around the world. It was founded in 2008 in the environment of the renown Fraunhofer Institute for Solar Energy Systems (ISE) to realize solar thermal projects based on its innovative Fresnel collector. Today Industrial Solar is the world leader in Fresnel projects for industrial energy supply and delivers comprehensive and customized energy solutions based on different technologies.

SOLUTIONS	FACILITIES	INDUSTRIES
<ul style="list-style-type: none">• <i>Fresnel Collector</i>	<ul style="list-style-type: none">• <i>Production Sites</i>	<ul style="list-style-type: none">• <i>Metal and Automotive</i>
<ul style="list-style-type: none">• <i>Hot Water- / Air-Collector</i>	<ul style="list-style-type: none">• <i>Office Buildings</i>	<ul style="list-style-type: none">• <i>Oil & Chemical</i>
<ul style="list-style-type: none">• <i>Photovoltaic</i>	<ul style="list-style-type: none">• <i>Hospitals</i>	<ul style="list-style-type: none">• <i>Pharma</i>
<ul style="list-style-type: none">• <i>Combined Heat & Power</i>	<ul style="list-style-type: none">• <i>Warehouses</i>	<ul style="list-style-type: none">• <i>Food & Beverage</i>
<ul style="list-style-type: none">• <i>Monitoring Equipment</i>	<ul style="list-style-type: none">• <i>Shopping Malls</i>	<ul style="list-style-type: none">• <i>Textile</i>



PROCESS STEAM



PROCESS AIR



PROCESS WATER



PROCESS COLD



MONITORING



WATER TREATMENT



POWER

Efficiency

SYSTEM COMPONENTS:

- 1 Fresnel Collector
- 2 Boiler
- 3 Storage
- 4 Chiller
- 5 Process heat application Water, Steam, Thermal-Oil
- 6 Air Conditioning or Process Cold
- 7 PV Modules, Flatplate or Evacuated Tube Collector
- 8 Monitoring

Our Mission:

Based on a comprehensive analysis we identify, design and implement the most economic renewable energy technology onsite.

○ Renewable Energy Solutions Onsite

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