

## 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

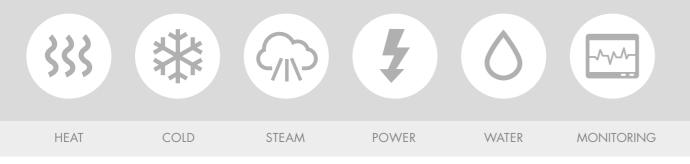
#### • Renewable Energy Solutions Onsite

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 Off-Grid On-Grid Financing Options Design Factors Heat Transfer Fluid Storage Air-Volume Storage Air-Volume Solar Irradiation Process Temperature Carbon Footprint Load Profile

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:



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
Fresnel Collector	<ul> <li>Production Sites</li> </ul>	<ul> <li>Metal and Automotive</li> </ul>
Hot Water- / Air-Collector	• Office Buildings	• Oil & Chemical
Photovoltaic	<ul> <li>Hospitals</li> </ul>	• Pharma
Combined Heat & Power	<ul> <li>Warehouses</li> </ul>	<ul> <li>Food &amp; Beverage</li> </ul>
Monitoring Equipment	<ul> <li>Shopping Malls</li> </ul>	• Textile







PROCESS STEAM

PROCESS AIR





MONITORING

WATER TREATMENT



PROCESS WATER



PROCESS COLD





POWER

A I

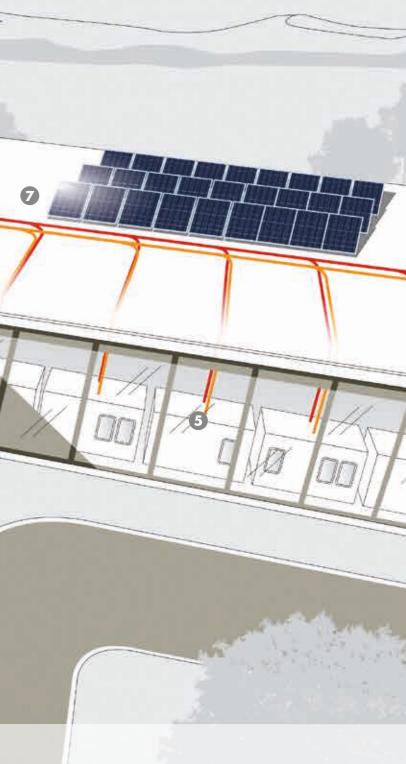
#### SYSTEM COMPONENTS:

- **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.

# INDUSTRIAL SOLAR renewables onsite



### • Renewable Energy Solutions Onsite

Industrial Solar GmbH Emmy-Noether Str. 2 D-79110 Freiburg

T +49 761 767111-0 F +49 761 767111-99

info@industrial-solar.de www.industrial-solar.de

