

# *Solar Thermal Energy for the Industry*



**aschoff**  
solar

Heat from the Sun  
- easy, efficient and economic



# Aschoff Solar

Aschoff Solar is a German System Supplier for Solar Thermal Solutions. The Aschoff Solar Systems are developed in the industry for the industry, combining the advantages of the European and international Solar Technology. German Engineering and a long term experience in Solar Technology and Plant Engineering ensure high performance, reliability and outstanding short pay-back periods.

- Optimize your energy costs
- Reduce your CO<sub>2</sub> emissions and your carbon footprint
- Use the smart and profitable way to green production and image

## Applications for Solar Thermal Systems



Leather Industry



Textile Industry



Bottle Washing

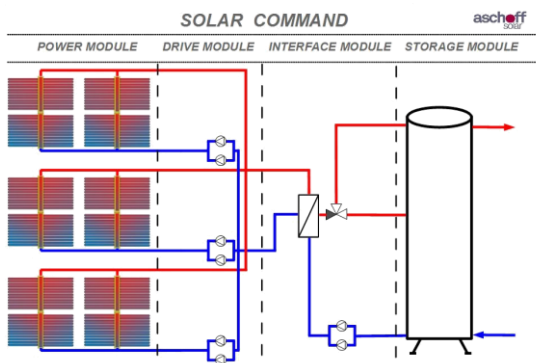


Dip Coating



Preheating of Boiler Feeding Water

## Aschoff Solar Thermal Systems



### FEATURES

- High efficiency with *SMART PIPE* Technology
- Low pressure, low costs
- Flexible and reliable with modular structure
- Less maintenance by quality components
- High intelligence with *SOLAR COMMAND*

### Modules

- *POWER MODULES* with high efficient *SMART PIPE* Technology
- *DRIVE MODULES* with components from high level European brands
- *INTERFACE MODULES* with high efficient and intelligent components
- *STORAGE MODULES* individual designed for your factory
- *SOLAR COMMAND* for overall process automation and online access

# The **SMART PIPE** Technology

Our **SMART PIPE** Technology is based on non-pressurized Solar Systems, where water is directly flowing in the vacuum tubes. This increases the efficiency and the high water content ensures stable operation conditions. Combined with the forced circulation by inverter controller solar pumps, high efficiency under all operation conditions can be ensured.

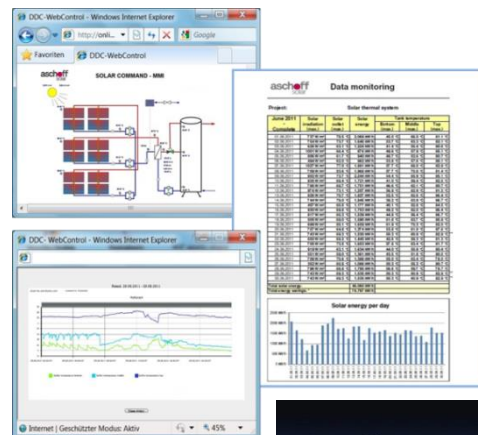


## **SMART PIPE** - efficient and safe

- High-efficient vacuum tubes with best heat insulation
- Vacuum tubes filled with water for direct heat transfer
- Less material, less costs
- High water content of tubes ensures safe operation
- Easy to clean, no maintenance

## The **SOLAR COMMAND**

- Online control and observation
- Energy savings reported every day
- Long term usage pattern for optimization and analysis
- Systems connected to Service Center for preventive maintenance
- Prepared for industrial ethernet communication



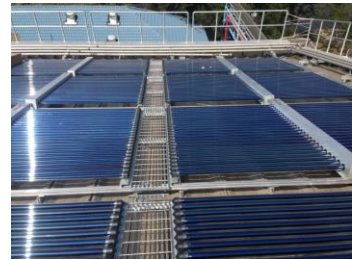
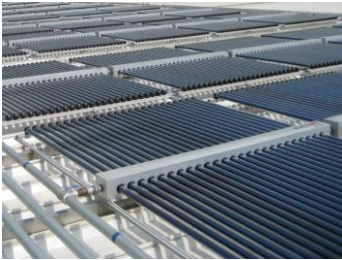
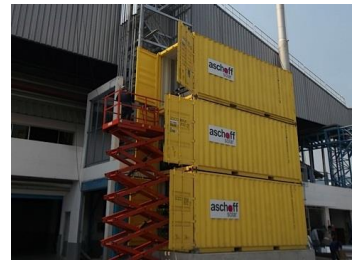
## Our Quality



Collector Support based on Aluminium and Quality Components from European Brands

# Why Aschoff Solar

- Short return of investment
- *SOLAR COMMAND* with bi-directional process automation
- Modular structure for future expansion and high reliability
- Individual designed for your industry
- Preventive maintenance in dialogue with the system control
- *SMART PIPE* Technology ensures efficiency and reliability



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