

Solar Systems for Industries



Sustainable and economic hot water solution for tanneries, textile industries, slaughterhouses, breweries, dyeing processes, food processing and a lot more

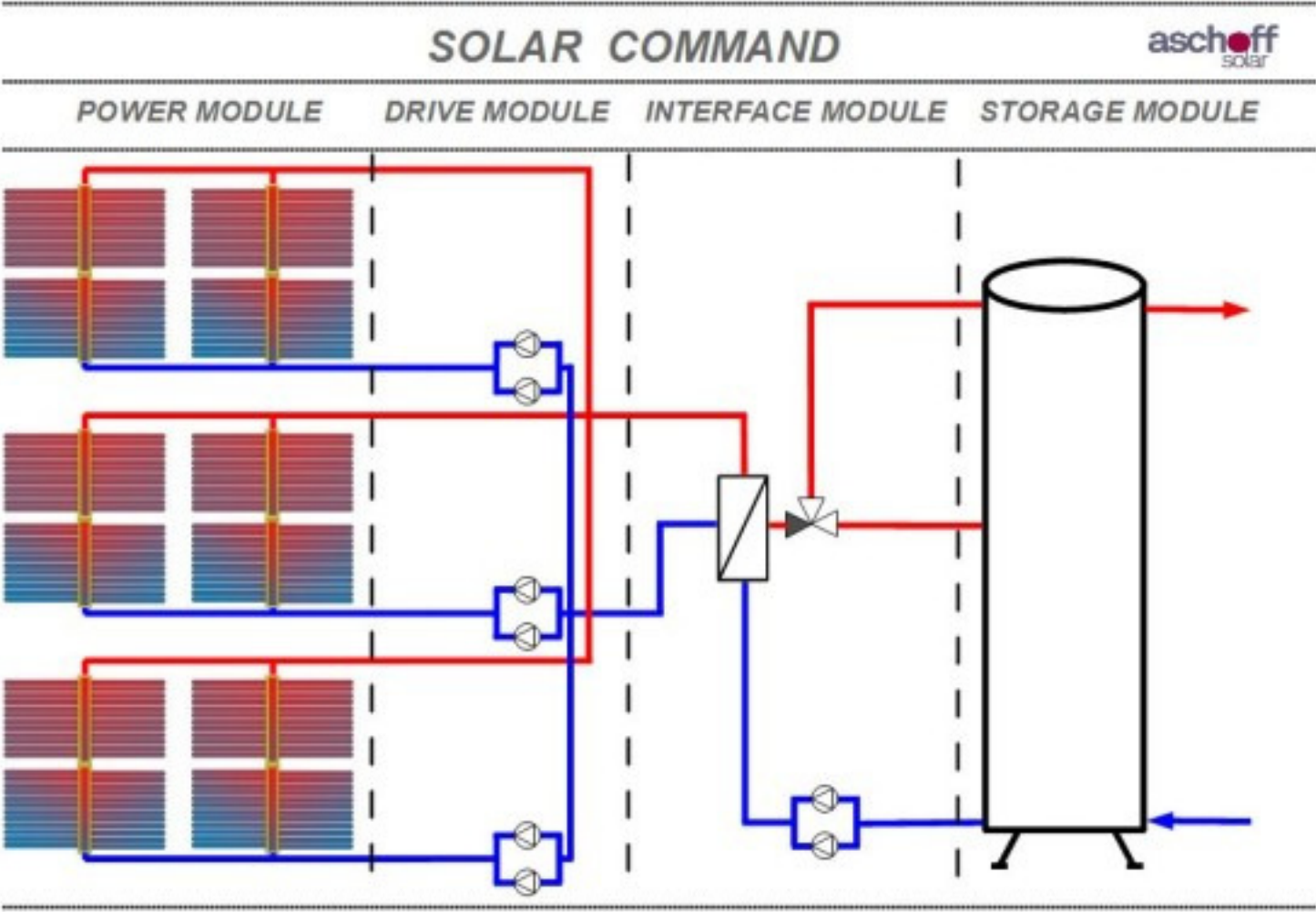
Why Solar?



- Reducing energy costs
- Reducing overall carbon footprint
- Reducing CO₂ emission
- The smart and profitable way to a green production and image

The sun never increased the energy price

Aschoff Solar Thermal System



The *POWER MODULE*



High efficient vacuum tube collectors

- High power stability by optimized water volume
- High efficiency through direct heat transfer into water
- No maintenance, just cleaning

The Modular Control and Drive System



The *SOLAR COMMAND*



The brain of the system

- Free programmable logic controller
- Customized software and visualization
- UPS included
- Touch-screen interface

The *DRIVE MODULE*



High quality active devices

- Quality inverter controlled pumps
- Components from high level international suppliers
- Oversized safety devices
- Maintenance free drives

The *INTERFACE MODULE*



Intelligent and efficient heat management

- Quality inverter controlled pumps
- High quality heat exchangers
- Transparent heat metering for consumer side

The *STORAGE MODULE*



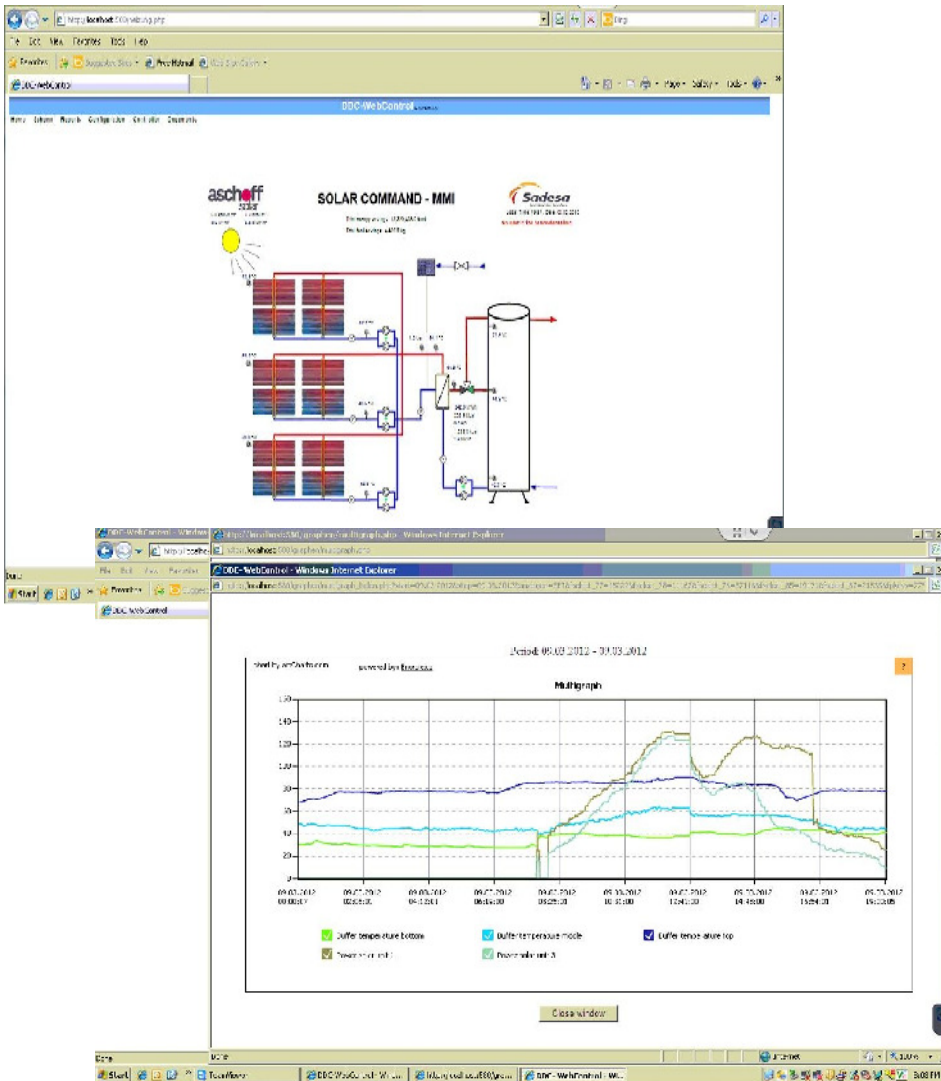
Individual storage tank concepts

- Optimized storage volume
- Individual solutions for weekend / night usage
- Vertical design for best energy flow

The *Visualization and Monitoring*

Solar control system

- Online control and monitoring system
- Created energy savings - reported every day
- Long term history of usage pattern for optimization and analysis
- All systems connected to Service Center for preventive maintenance



Why Aschoff Solar?



- 5 years warranty on collectors
- Individual designed for your industry
- System developed in tanneries for tanneries
- Modular design for future expansion
- Observation and preventive maintenance by Aschoff Solar
- Short return of investment

Tannery in Ho Chi Minh City, Vietnam



- Collector area: 1,000 m²
- Energy Savings:
more than 1.2 mio. kWh
per year
- Return of Investment:
less than 4 years

Tannery in Sena, Thailand



- Collector area: 540 m²
- Energy Savings:
more than 650,000 kWh
per year
- Return of Investment:
less than 4 years

Jeans Factory in Ho Chi Minh City, Vietnam



Collector area: 420 m²

Solar process heat for the
Jeans washing process



Tannery, Heshan, China



Collector area: 630 m²

Solar process heat for the retanning and the vacuum dryers



Integration of Solar Systems



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