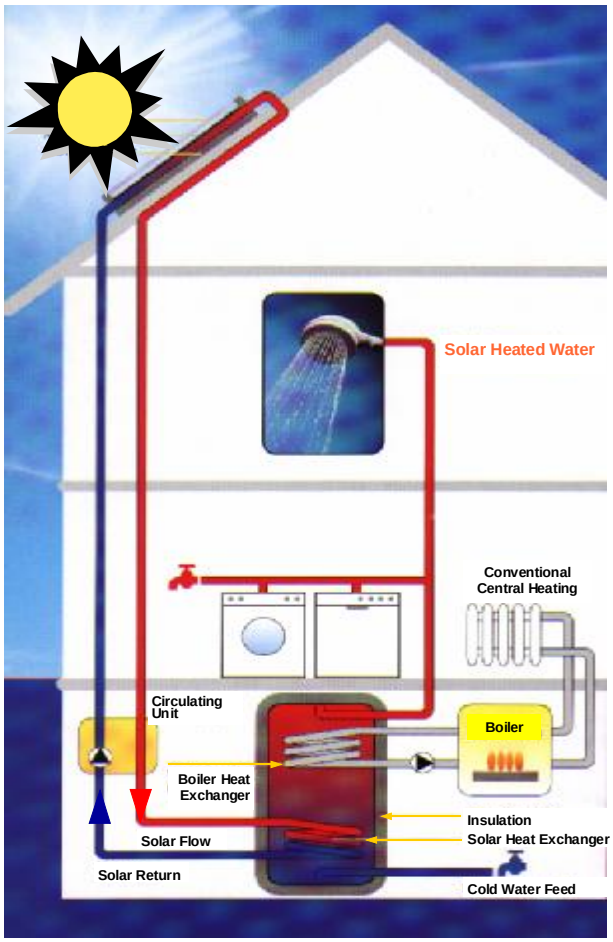
☼ Solar Service Hot Water ☼

We create energy!

Solar Water Heating System



How does it work?

The most widely used solar water heating system, consists of solar panels, control unit, circulating pump unit and solar cylinder.
The solar cylinder can be situated anywhere inside the building. Panels and cylinder are connected by well insulated pipes, through which the heat transfer medium (water and solar anti-freeze) is being pumped. The solar radiation is converted into heat by the absorber inside the solar panel and then transported to the heat exchanger at the bottom of the solar cylinder. The controller regulates the pump, ensuring that circulation only takes place when the temperature inside the panel is higher than at the bottom of the cylinder.
Every system is fitted with safety valve, membrane expansion tank, air vent, thermometers, pressure gauge and fill & drain valve.
Solar systems require minimal maintenance and guarantee high comfort levels.
Solar energy can provide cost-effective solutions to fight climate change and reduce our dependency on imported, polluting & expensive fossil fuels.

Project Information

Solar water heating system

- Selectively-coated flat-plate collectors
- Collector surface area: 8.8 m^2
- Collector tilt to horizontal: 45^0
- Solar cylinder volume: 400 l

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SOLAR WATER HEATING - SOLAR AIR VENTILATION - PHOTOVOLTAICS