



ONE PLANETS CONSULTANTS LTD

SOLAR THERMAL

OPC can design and supply complete Solar Thermal systems from leading manufacturers throughout the world, from small domestic systems to larger commercial collectors. Our market-leading range of Solar Thermal components offer the right solution for every project.

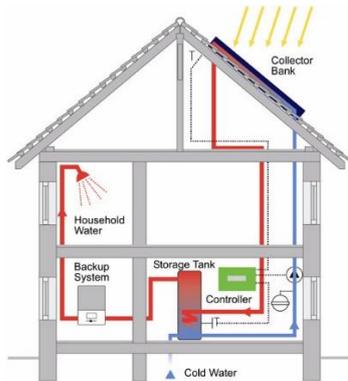


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SOLAR THERMAL SYSTEMS

Solar thermal technology uses the sun's energy to generate low-cost, environmentally friendly thermal energy. This energy is used to heat water or other fluids, and can also power solar cooling systems. Solar thermal systems differ from solar photovoltaic (PV) systems, which generate electricity rather than heat.



Solar thermal collectors (panels) on a roof, shade structure or other location absorb solar energy and the Solar fluid circulated through the collectors by a low-energy pump delivers heat to a water storage tank. When users need hot water, the solar-heated water in the storage tank pre-feeds the primary water-heating system.

When pre-fed with the solar hot water, the boiler or water heater is either not activated, or activated for less time than if there were no solar hot water system, and each month building owners pay a lower bill for energy to heat water.

- **Reduced Utility Bills:** Businesses or individuals that require large quantities of hot water or other fluids must pay for the fuel required to heat those fluids. Solar thermal systems use solar energy to heat fluids, reducing utility bills by up to 70%.
- **Compliance with Sustainability Mandates:** Many building owners face mandates requiring them to implement renewable energy technologies. Solar thermal systems can help meet these requirements while also providing solid ROI.
- **Reduced Carbon Footprint:** By utilizing solar energy instead of fossil fuels, solar thermal systems reduce the amount of site-generated, carbon-based greenhouse gases a property emits into the atmosphere.

One Planets Consultants have the design and installation expertise for any Solar Thermal installation, whether it is single or multiple elevations, pitched or flat roof mounted. OPC can provide the design, supply, installation, commissioning and MCS registration of your Solar Thermal System.

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