

Who is Solartron energy systems?

PARABOLIC SOLAR CONCENTRATOR ABOUT SOLARTRON Solartron Energy Systems Inc. (Solartron) is the designer and manufacturer behind the revolutionary SolarBeam™ parabolic dish. The designers and engineers behind the SolarBeam™ foresaw the need to engineer an affordable system capable of producing high thermal energy.

What is Solartron 4.5 meter solar concentrator?

Solartron was founded in 2010. The initial design of parabolic concentrator was a 4.5 meter system designed for low temperature applications below 94 Celsius. The SolarBeam 4.5 meter solar concentrator has been used in 48 locations around the world including:

What does Solartron stand for?

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What is a 7 meter solar concentrator?

In 2013, The 7 meter dish was built to further reduce the LCOE for solar thermal applications. The 7M solar concentrator was tested in Australia and utilized the latest dual-axis tracking technology. In 2016, the 9 meter solar dish was designed as a hybrid system to provide electricity and thermal energy.

What makes Solartron unique?

From the optical to mechanical design, Solartron's engineers, by the direction of the founder, Edward Herniak, have designed a complete system that can be manufactured in high volume and low cost.

What is a solar concentrator?

The solar concentrator was also engineered with zero optical alignment which eliminates the need for alignment of the mirrors during the commissioning process. Solartron was founded in 2010. The initial design of parabolic concentrator was a 4.5 meter system designed for low temperature applications below 94 Celsius.

Since 2010 Solartron Energy has achieved the first ever globally certified thermal 4.5 meter dish (2011), increased efficiency with the 7.5 meter dish (2013), and now in 2016 set the record for the most affordable utility-scale hybrid solar concentrator system the SolarBeam 9M. Solartron has a proven track record and has deployed over 60 ...

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It can work as a stand-alone solar thermal energy system and provide 45 KW thermal heat for the solar desalination process. ... Since 2010 Solartron Energy has achieved the first ever globally certified thermal 4.5 meter dish (2011), increased efficiency with the 7.5 meter dish (2013), and now in 2016 set the record for the most affordable ...

The most efficient method for solar hot water in hotels is through the SolarBeam Concentrator by Solartron Energy Systems. This system is a parabolic concentrator with dual-axis tracking capabilities. ... Since 2010 Solartron Energy has achieved the first ever globally certified thermal 4.5 meter dish (2011), increased efficiency with the 7.5 ...

Solar heating systems are an economical (and green) technology that is rapidly becoming recognized as a viable alternative to conventional energy suppliers. Nowhere is this trend more prevalent than in the adoption of solar heating systems to provide continuous hot water production for use within commercial installations. An efficient commercial solar heating ...

The Canadian company Solartron Energy Systems installed the first nine Solarbeam Concentrator collectors. The subsidiary of the Canadian company EG Energy Controls was founded two years ago, to launch and market the medium temperature parabolic collector that provides solar hot water up to 98 °C.

SolarTron Energy Systems Inc. is a clean-tech company with headquarters in Halifax, Nova Scotia, Canada. We specialize in mechanical, optical, and electronic engineering. With our expertise, we have designed the most efficient and economical solar parabolic solar concentrator for use in utility and industrial CSP (concentrated Solar Power) for ...

The European Union and its Member States have committed themselves to achieving a 20% share of renewable energy in Europe's final energy consumption by 2020. To reach this target, the renewable heating sector will have to make a significant contribution since the demand for solar hot water heating and cooling represents 49% of the total energy ...

One company, called SolarTron Energy Systems, has developed a solar hot water system that has a photovoltaic module that can be added later to create up to 3.5kW of electricity. Research and development of new technologies for energy is constantly developing, improving design and components to make alternative energy systems more efficient.

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Web: <https://www.gennergyps.co.za>