



# Solartron energy systems Greece

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 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 does Solartron stand for?

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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 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 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.

The team at SolarTron Energy Systems are very excited about the launch of the SolarBeam Concentrator. This amazing solar hot water system can provide 10kW of heat per hour and has a patent-pending tracking system that follows the sun throughout the day. We are currently looking for distributors and certified installers to sell SolarBeam in the following ...

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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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 solar power plant applications.

These systems require energy; solar hot water and hydronic systems make a great combination. ... 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 ...

**ABOUT SOLARTRON** Solartron Energy Systems Inc. (Solartron) is the designer and manufacturer behind the revolutionary SolarBeam TM parabolic dish. The designers and engineers behind the SolarBeam TM foresaw the need to engineer an affordable system capable of producing high thermal energy. Solartron is not new to the energy sector. The executive team

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Solartron is passionate about solar power and its role in developing solar rooftop systems for homes and factories. We make huge efforts to understand your specific energy goals for providing you with the perfect solar rooftop system. Solartron goes to great lengths to plan for energy-efficient solar solutions that are ideal for your home or ...

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), ...

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Solartron Analytical EnergyLab XM - electrochemical impedance analyzer EIS with potentiostat and frequency response analyzer - focused on battery, supercapacitor, and fuel cell research. ... or energy (watt hours) that a battery can deliver. High current may be needed for battery testing, to either fully charge or fully

discharge the battery ...

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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.

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 ...

Sunlight is used to generate solar power and solar heat and is consumed by appliances, lighting and heating systems. The system uses photovoltaic cells to convert sunlight into electricity. The cells are formed by one or more layers of semiconductor material. When the light hits the cells, it creates a field of electricity between the layers, making the circuit. The ...

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