

CERTIFICATES



ISO 9001:2008



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COMPANY PROFILE

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Energy from nature



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Elcora is one of the most innovative and successful manufacturers and suppliers of solar thermal systems. Continuous research and development, and the incorporation of new technologies into designs and manufacturing processes ensure that Elcora systems keep pace with international standards and industry advances, and that their products are of the highest quality. While the company's mission is to provide renewable energy systems, its vision is to help create a cleaner environment and a sustainable future for all.



COMPANY OVERVIEW

Elcora Ltd has been manufacturing and installing high quality solar thermal systems in Cyprus for over 35 years. As long ago as 1959, when solar hot water was in its commercial infancy, founder Costas Nicolaou was installing equipment - and in those days systems were very basic and cumbersome. However, it became increasingly obvious to Costas that the future of solar power as a source of free energy held huge potential, so in 1979 he and his wife Elli started their own business manufacturing and installing systems for the Cyprus market.

Still a family business, Elcora retains a strong commitment to environmental issues and renewable energy solutions. Managed now by a new generation, there is still an atmosphere of enthusiasm within the company. Everyone is excited about the future and takes an innovative and highly professional approach to all things.

Today, in its modern production facility in Limassol, the company designs and makes a range of high quality solar thermal systems, solar thermal collectors and hot water cylinders and tanks - and because it controls the production process, the company can incorporate industry advances quickly into designs and production methods. This means that consumers always get products that use the very latest innovations.

Sustained investment in new technology applications and production machinery help meet the challenges of today and tomorrow. Recently, the company began manufacturing combi systems: combined solar thermal systems that, through the use of heat exchangers, can provide year-round climate control for domestic and commercial

applications. Near-future developments will be next-generation solar and alternative energy systems - including the exciting and dynamic areas of geothermal and photo-voltaic (pv) systems.

Elcora Ltd has grown into one of Cyprus' most innovative and successful manufacturers and suppliers of solar thermal systems. This growth has been achieved by following a simple, but effective strategy: never compromising on product quality, while delivering reliable, efficient solar thermal systems at affordable prices.

MISSION AND VISION

The company's mission is to help improve and protect the environmental quality of the community by promoting solar and other renewable energy systems as economic, clean, safe and reliable energy sources.

With this in mind, Elcora is dedicated to providing exceptional customer service while offering the highest quality product, system design, installation, and maintenance.

While the company's mission is to provide renewable energy systems, its vision is to help create a cleaner environment and a sustainable future for all.



PEOPLE WHO CARE

The company's success is directly due to the efforts of capable and committed staff members. The solar thermal industry is dynamic and relatively new - and it attracts people who are enthusiastic and passionate about the environment and want to contribute to its betterment. So it is not surprising that Elcora has a team of people who make every effort to design, produce and install systems and products that make a difference.

Some of the most advanced design and production equipment is utilised by the company, and technical staff are efficient and fully trained. They attend regular seminars that focus on improving industry skills and safety in the workplace. In this way, Elcora can meet stringent deadlines and quality standards.



QUALITY AND STANDARDS

Elcora takes quality very seriously. In fact, quality is what sets the company apart. A commitment to excellence is evident at every stage of the process - from design, through production, to the final installation and after-sales service.

Only the most reliable, proven, materials and components are used, and quality is never compromised to gain a price advantage. Customers can be absolutely

certain that when they buy an Elcora product they are getting a state-of-the-art, durable and efficient system - the best the industry has to offer.

The company uses laboratories in Italy, Greece and Cyprus for extensive testing and certification purposes, and is proud that Elcora products carry the internationally recognised Solar Keymark and CE logos as a guarantee of quality. The company's management, production and installation processes are well organised and efficient, and have been accredited ISO 9001:2008 Quality Management Systems.



SOCIAL AND ENVIRONMENTAL RESPONSIBILITY

Elcora is totally committed to its social and environmental responsibilities. This is demonstrated by a series of guidelines aimed at minimising the impact of its activities on the environment.

THESE ARE TO:

- ▶ Minimise waste by evaluating operations and ensuring that they are as efficient as possible
- ▶ Engage in recycling
- ▶ Source and promote product components that will minimise the environmental impact of both production and distribution
- ▶ Minimise toxic emissions through the selection and use of company vehicles
- ▶ Meet or exceed all environmental legislation that relates to its activities
- ▶ Encourage clients and suppliers to adopt a similar philosophy



PRODUCTS

SOLAR THERMAL SYSTEMS

Elcora produces and installs both passive and active solar thermal systems.



PASSIVE SYSTEMS

In passive systems, the storage tank is 'close-coupled' to flat thermal collector panels. The system is normally fixed on a roof but can be fitted to any convenient and appropriately facing stable structure that gives maximum exposure to the sun. The system operates on the thermosiphonic principle where collector panels, coated with a solar selective surface, absorb the sun's rays, heating the water in the panels. As the water heats, it rises to the top of the panels and into a tank, displacing cold water, which is then sent to the bottom of the panels. The process is continuous.

ACTIVE SYSTEMS

Active systems operate on the same principles of thermosiphonics, except that the storage tank is situated away from the panels. The main advantage is that the tank can be located in a space that is out of sight, and even in an insulated location, reducing heat loss and improving efficiency.

This system requires a pump and controller to get the cold water from the tank to the panels for it to be heated. These systems are a little more expensive to install because of their complexity. However, the price premium is outweighed by aesthetics - with only the panels being visible - and active systems are the most popular solar thermal system.



COMBI SYSTEMS

An extension of the active system, the combi system also uses thermal collector panels on the roof and a storage tank located away from the panels. In this system, the storage tank is divided into sections by heat exchangers. Through a sophisticated pump and controller, hot water is available for the household supply, but also for other requirements - heating a swimming pool or central heating, for example.

All systems integrate a supplementary heat source - electricity, gas or oil - for times when the skies are overcast, with reduced solar penetration.



SOLAR THERMAL COLLECTORS

Elcora designs and manufactures solar thermal collectors. The very latest heat-absorbing materials are used, and every component is thoroughly tested. Critical components are produced using state-of-the-art laser welding technology for total precision, and new industry advances are incorporated as soon as they come to the market. Because the panels are subjected to harsh weather conditions only the most durable materials are used, so that an extended working life can be expected from Elcora collectors.



HOT WATER CYLINDERS AND TANKS

The company has been making hot water cylinders for 35 years, and today uses the latest precision automatic welding machinery in its production processes. To ensure maximum performance, only the highest quality copper sheeting is used. Cylinders are housed inside anodised aluminium external casings, insulated with recyclable, environmentally friendly, high-density polyurethane foam, and are available in a range of capacities.



VALUE-ADDED SERVICES

Customers need to feel confident that when they buy an Elcora product they have made the right choice. So a range of services is offered to help and guide customers towards making the right decision and to keep their final choice in tip-top condition.



CONSULTATION

With years of experience, Elcora knows about solar energy. Experts are available to home-owners, developers, architects and engineers for consultations on any aspect of the product range and how to get the best performance.



DESIGN

Although a range of ready-designed products is available, nearly every requirement is different. Consider the possibilities: new or old property, size, number of occupants, number of bathrooms, location, surroundings, access. The list is almost endless. Systems can be designed to take every factor into consideration and maximise solar potential.



INSTALLATION

Installers are competent and very experienced, and follow all industry safety procedures. They will complete the installation with the minimum of disruption, and supply all information needed to get the best from a system.



MAINTENANCE AND SERVICE

Elcora systems are efficient and long-lasting and require the minimum of maintenance. However, routine servicing is wise. On request, an engineer will give the system a complete overhaul and test every aspect to ensure the highest level of performance year after year.



EXPORTS

Elcora already sells systems overseas and has a strong focus on entering new export markets - supplying people who recognise that the quality of its product is second to none.

Continuous research and development, and the incorporation of new technologies into designs and manufacturing processes ensure that Elcora systems keep pace with international standards and industry advances. The company regularly showcases at trade and alternative energy exhibitions throughout Europe.

Registered Elcora agents, stockists and installers will be appointed throughout the Mediterranean area and in the Middle East. Enquiries are welcome from organisations that have the technical capabilities to advise, guide, install and maintain solar thermal systems, and who share a passion for environmental concerns.