

Who's who Our founding partners

Franco Traverso

Franco Traverso, Silfab's President and founding partner, is a pioneer of Italian photovoltaic technologies with 30 years of experience in the solar energy industry.

In 1981, Mr. Traverso established Helios Technology Srl spearheading a unique path in PV breakthrough; as Helios' CEO, he developed a robust technology platform and several important international patents. In addition, he developed small and large PV systems, launched a production line of CZ ingots and wafers, and performed technology transfers in India, Sweden and South Africa.

In the early 90's, he started a joint-venture with a Russian company and founded a silicon wafer production company, Solaris d.o.o., in Croatia.

With the creation of Silfab in 2007, Traverso opened a new chapter dedicated to both developing an integrated supply chain based on a 'green-to-green' business model and installing a wide network of new generation high-efficiency solar farms.



Pan Asia Solar (PAS)

Pan Asia Solar (PAS) is a private equity provider specialized in growth capital and advisory services to early-stage solar energy companies. With offices in New York, Hong Kong and London, the company has a team of partners and executives with 25 years of experience in photovoltaic business development and technological innovation.

Over the years, Pan Asia Solar has contributed to the growth of high-performing internationally listed photovoltaic companies, including Suntech (NYSE: STP) JA Solar (NASDAQ:JASO) & China Sunergy(NASDAQ: CSUN). Pan Asia is also involved in the production of high-performing solar cells through one of its affiliated companies.



Sino-American Silicon Products Inc. (SAS)

Incorporated in 1981 and publicly listed at the stock exchange market in Taiwan (5483.TWO), Sino-American Silicon Products Inc. (SAS) is principally engaged in research, development, manufacturing and distribution of silicon wafers and ingots. The company distributes its products in Taiwan and abroad, including Asia, the Americas, Europe and Australia.



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target:
maximum
performance



More efficient and sustainable PV technologies



From polysilicon to cells and modules manufacturing, and ultimately to solar farms development and implementation: our goal is to make photovoltaic energy the power resource of a more efficient and sustainable future.

A leading international vertically-integrated company dedicated to designing and manufacturing products and systems for the entire PV supply chain, Silfab Spa was founded in 2007 by Franco Traverso, an Italian solar energy pioneer with 30 years of experience in the photovoltaic industry.

Silfab is the product of strategic economic and technological synergies between our founding international partners: Pan Asia Solar Ltd., whose principals co-founded some of the most successful PV companies in the world, and Sino-American-Silicon Products Inc., a stock-exchange listed world provider of premium silicon wafers to the photovoltaic and semiconductor industries since 1981.

With maximum efficiency and superior performances as the operative mantras driving all our operations, we provide state-of-the-art photovoltaic products and systems with superior performances that endure over time. This is the outcome of 30 years of experience in the solar industry of our executive management - a team that enjoys strategic access to the most advanced and innovative technologies worldwide.

Green-to-green as a business model



Our most ambitious objective is to realize a full-scale integrated photovoltaic supply chain by adopting integrated processes that optimize the energy required for manufacturing while protecting the environmental resources of our planet.

To achieve this goal, we are currently developing new business opportunities in North America where not only is hydroelectric energy abundant but also there exist the conditions to build the first integrated PV supply based on a "Green-to-Green" approach.

Thanks to our innovative Green-to-Green model, the new plant would be able to transform each kWh (Kilowatt per Hour) of hydroelectric power in 15 kWh of solar energy generated by our PV modules during their life cycle - a process that would dramatically amplify both environmental and economic benefits.

Record setting solar farms



We are currently engaged in developing a broad network of 1-6 MW solar farms in Italy and Central Europe with a **total capacity of 60 MW** to be completed by 2010.

In 2009 we installed the first nine 1 MW photovoltaic plants in the Region of Puglia, for a total investment of 40 million Euros.

Thanks to our team with almost 30 years of experience in photovoltaic technologies, we are able to provide an optimal correlation between kWp and kWh, that is, a reciprocal relation between power installed and power output. On average, our solar farms realize an efficiency rate 25-30% higher than typical PV plants and a high return on investment guaranteed for 25 years over a life-cycle of more than 40 years. Early this year, the Department of Electrical Engineering (DIE) at the University of Padova certified that the solar farm we built last year in Acquaviva delle Fonti outperforms by 34,7% percent the efficiency standard recorded for the same area by PVGIS.

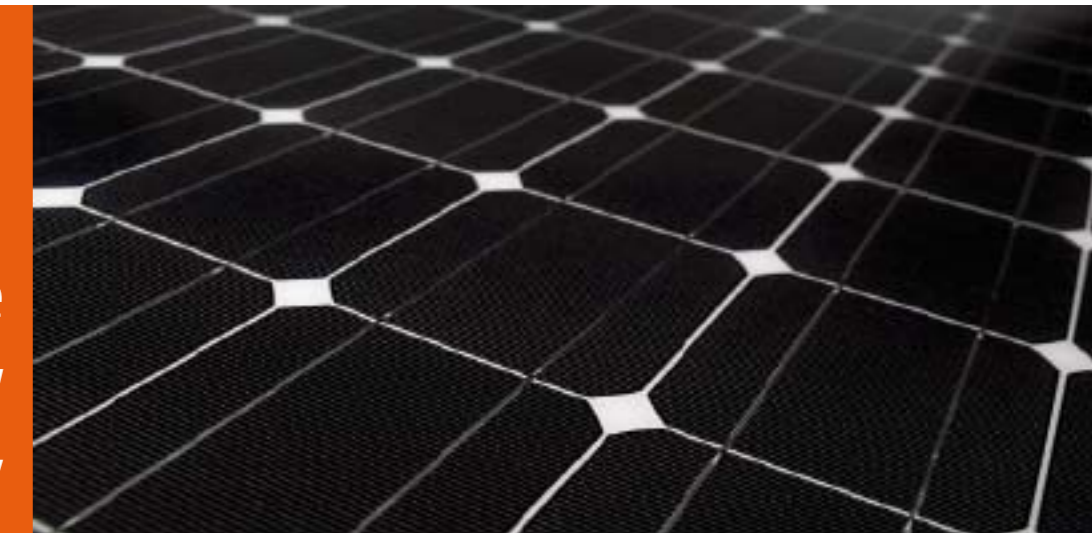
Engineering packages, from polysilicon to modules



A Division of Silfab Spa, GreenToGreen Engineering develops and implements modular, "ready-to-use", fully portable market-entry packages for the entire photovoltaic value chain, from solar grade polysilicon to ingots and wafers, and from cells to modules manufacturing.

The GreenToGreen approach takes its inspiration from our project of developing an integrated photovoltaic supply chain powered by a renewable energy such as hydroelectricity to produce photovoltaic solar power. The project is based on integrated processes that guarantee both high productivity and superior environmental sustainability.

Innovative products, maximum efficiency



Our passion for innovation is the driving force behind the design and manufacturing of our high-efficiency modules. By combining our partners' technologies with the know-how of our R&D team - an experience that spans almost 30 years in the entire PV value chain - we have developed a variety of modules that are the epitome of quality, reliability and durability. Our modules are thoroughly tested during every phase of the manufacturing value chain, including not only our plants but also the processing steps of all our affiliates. More specifically, whereas ingots and wafers are processed by SAS, and cells are manufactured by Sunrise - a PAS affiliated company - the modules themselves are produced by Solaris, a company owned by Franco Traverso.

Thanks to their highly-advanced performances, our modules maximize both power output/surface area ratio and long-term energy production while also satisfying a wide range of needs and requirements. Besides providing a wide selection of modules in mono- and poly-crystalline silicon built with 70-72 cells, we also offer a series of modules specifically designed for greenhouses applications.

A track record of excellence and reliability

In 1986 Franco Traverso and its company joined the experimental project "Delphos" initiated by the national energy agency ENEA and two additional public partners associated to ENI Group and Iri. The project included the development and installation of a 300 kW photovoltaic plant in Manfredonia (Foggia, in the Region of Puglia) using 60-kW modules built with 72 cells in monocrystalline silicon.

Traverso's modules proved to be far more efficient than the standards available at that time in terms of average power output (90 W), power density (100 W/square metre), and energy conversion efficiency (12,5%). In those days these performances were simply outstanding. After 24 years since its installation, today Delphos is still working with an efficiency rate of more than 80% of the energy initially produced.

