

Solar Tec

International AG

**CREATING VALUE
FOR A LIVING PLANET.**



THE WORLD'S BIGGEST POWER PLANT.

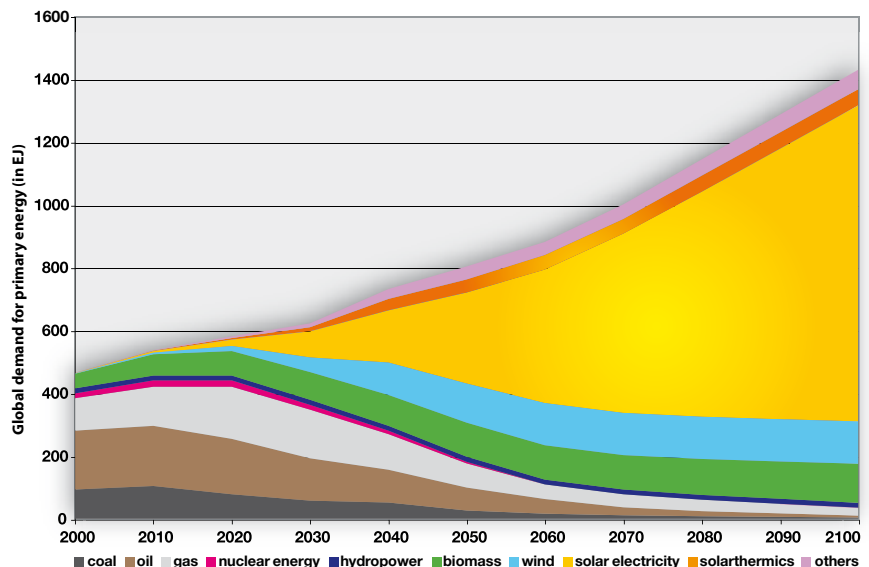
Every Day, the Sun Delivers 10,000x the Energy We Consume.

Only a small amount of this solar power is actually utilized. At present, our increasing energy demand is covered by 85% of fossil resources which are running short in supply.

Taking crude oil as an example, it is on-the-record that the economical use of fossil energy resources is limited and has high volatility risks. Both aspects underline the growing importance of achieving stable, renewable energy sources. In the long run, we will see the sun as the major supplier in the global energy mix.

Worldwide, an increasing number of governments and companies are reacting to this situation, creating the legal and economical ground works for a fast extension of solar power plants.

The growth potential of photovoltaics is correspondingly high. The market for



The global primary-energy-mix 2000-2100 – Based on the forecast of the scientific advisory board of the Federal German Government (WBGU), updated with data from various studies (amongst others: Shell-Study, US Energy Information Agency, own analyses)

solar energy generation has been expanding for years – faster than any other economic sector. Analysts forecast the possible market volume for photovoltaic installations in 2020 at more than 125,000 MWp.* Compared to 2008, this corresponds to a CAGR of almost 30%.

Suitable technological concepts and their economically thought-out realization are the drivers for photovoltaics growth – headed by companies which manage to balance lifecycle costs and energy yield of their plants (LCoE: Levelized Cost of Energy).

Photovoltaic Energy is Getting Competitive

Even today, photovoltaic energy in off-grid regions is partly more beneficial when compared to electricity generated from fossil fuels. The phase of broad grid-parity, when photovoltaics economically equal conventional electricity on a large

scale, is expected between 2010 and 2014.

This opens the way for photovoltaics to achieve major market shares of the energy sector.

The companies that successfully combine technology with sustainability, are the ones who lead the way today.

Photovoltaics are an Investment for Everyone's Benefit.

Photovoltaics is an investment that pays not only under commercial aspects. Investing in photovoltaics benefits everyone who wants to be independent of conventional fossil energy sources. It benefits all who take responsibility for a clean environment and protection against global warming.

The sun is the world's largest power plant. It is up to us to use this energy.



* Bank Sarazin, "Solar energy 2008 - Stormy weather will give way to sunnier periods"

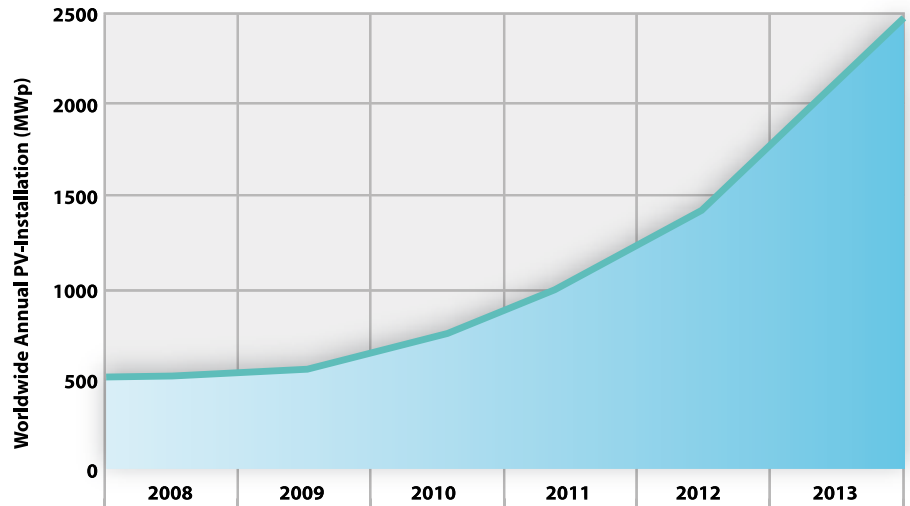
EXPERIENCE IN MARKET AND TECHNOLOGY.

We Focus Our Experience and Knowledge on the Greatest Market Value

SolarTec International's expertise is based on the vast experience of specialists in photovoltaics for many years. Their know-how in technology as well as in market requirements give the company its leading position within the sector, acknowledged by cooperation with internationally established partners from research, pv business and finance.

Our knowledge is reflected in the core sectors of photovoltaics. The project team at SolarTec International AG brings references from completed large scale pv power plants that generate high yields. Current SolarTec International AG projects benefit from this experience in all technical, economical and market driven respects.

Likewise, SolarTec International's development of innovative PV technologies is in a cutting-edge position for creating new milestones in the efficient conversion of solar power into electricity.



Against this background, we focus our effort on two business areas that we consider strategically to deliver the most immediate and sustaining potential:

PV Power Plants:
Development, planning, turnkey realization and maintenance of large scale installations worldwide.

Concentrator-Systems (CPV):
Development, manufacturing and commercialization of highly efficient systems in innovative CPV technology

In both business areas, we do not only see technical opportunities. We are very aware that economic and market elements are a decisive factor in sustainable success – since environmental protection will establish itself where it proves most attractive to investors.

In addition to the teams' experience, SolarTec International AG is organised to deliver a fast and flexible, customer focused process.

Our work reflects consistent quality, cost and safety management, as we commit ourselves to the highest degree of technical and economical reliability.

Finally, one of our most important assets is the synergy that we benefit from in bringing together our business focuses on PV technology, plant design and plant implementation.

SolarTec International AG commits to implementing photovoltaics with high value, financial attractiveness and long-term stable photovoltaic system and technology investment.

The company stands for a corporate culture that has grown from solid knowledge, long experience and the conviction of our employees.

PHOTOVOLTAIC-POWER PLANTS: FROM IDEA TO SUCCESS.



SolarTec International AG supports customers from the initial idea to the turnkey power plant and beyond. To us, property value retention and lasting cutting-edge performance are as important as fast completion and good rates of return.

We focus on projects where our commitment promises an optimum result. Consequently, we critically examine projects from the outset, and incorporate any relevant elements during our location development.

We implement projects worldwide in regions with the best possible natural and infrastructural conditions for large scale PV power plants. Additionally, optimal legal and economic regulations are adhered to. All factors relating to the complete lifecycle of a planned installation are important to us.

Once a location decision is made, we thoroughly prepare the concept and design of our plant project, from securing location arrangements up to start-up and full running operation. Concurrently, we customize our project model by specifically adjusting the project's finance and operational design to the requirements of stakeholders.

The team of SolarTec International AG is experienced and well-grounded in three core-technologies of photovoltaics:

Crystalline Silicon Technology

Thin-Film Technology

High Concentration Technology

It therefore follows that we are able to implement the optimum technology for each project. In assessing the individual conditions we are geared to the best efficiency in considering technical elements, and the respective economic terms.

Components are purchased by SolarTec International AG at best quality and price. Our purchase network, built up by the team within for many years, secures us conditions that provide our projects with a significant competitive edge.

For the realization of power plants, SolarTec International AG imposes on itself strict quality characteristics. This claim reflects in a well balanced plant technology, as well as, in short time-to-completion, balanced cost structures, and precise yield forecasts.

Quality, cost- and safety management are embedded in our work, as we want to ensure all of our partners the highest possible level of reliability.

Considering all of this we are confident that our company keeps a top position, not only in the photovoltaics sector, but in the long run as we consider comparisons in other forms of energy supply.



Power plant Laudenbach

PHOTOVOLTAIC POWER PLANTS: SERVICES AND REFERENCES.

The SolarTec International AG Service Spectrum for Power Plants

Location Strategy

- Analysis of global irradiation, geographic and infrastructural conditions
- Assessment of economic requirements and legal conditions
- Examination of social conditions
- Analysis of longer term perspectives

Project Development

- Location analysis and assessment
- Securing location and approval management
- Technical concept development
- Yield simulation and calculation of profitability
- Financing concept

Project Realization

- Technical implementation and on-site management
- Selection, allocation and procurement of components and contract works
- Security, quality and construction management
- Cost monitoring and continuous project controlling
- Logistics

Power Plant Maintenance

- Remote control
- Operating and yield analysis
- Trouble shooting
- Maintenance and replacement of components
- Exchange
- Plant controlling
- Re-equipment of plants as required

Reference of Grid-Connected Plants

Power Plant Laudenbach

Peak output: 3.5 MWp
Initial operation: 2007
Yield: approx. 3.5 million kWh/year
CO₂ savings: approx. 3,800 t/year

Power Plant Droyßig

Peak output: 1.7 MWp
Initial operation: 2007
Yield: 1.6 million kWh/year
CO₂ savings: approx. 1,860 t/year

Power Plant Claussnitz

Peak output: 924.12 KWp
Initial operation: 2007/2008
Yield: approx. 0.9 million kWh/year
CO₂ savings: approx. 1,000 t/year

Power Plant Seefeld

Peak output: 2.96 MWp
Initial operation: 2007/2008
Yield: approx. 3.1 million kWh/year
CO₂ savings: approx. 3,400 t/year

Power Plant Blumroda

Peak output: 3.6 MWp
Initial operation: 2007/2008
Yield: 3.6 million kWh/year
CO₂ savings: approx. 4,000 t/year



Power plant Blumroda

CONCENTRATING SYSTEMS: THE FUTURE OF PHOTOVOLTAICS.

Efficiency and Energy Balance Reflect the High Potentials for Energy Markets

We are at the beginning of solar energy's large scale use. Today's efficiencies in photovoltaics give an idea of the potential that is still possible.

The technology that is able to combine high yields with efficient production and low operation costs, will tip the balance.

Presently the most promising technology is concentrating photovoltaics (CPV). Sunlight is focussed on small high performance multi-layer cells. Their achievable efficiencies are as high as are the possible savings of resources and floor space.

Concurrently CPV-systems provide a further advantage: compared to other pv technologies, its energy yields charge off much faster, referring to the required input of manufacturing energy.

These short periods of energy retrieval ("epbt") are an important argument for a technology's sustainable balance of energy. By means of research, engineering effort and consequent implementation of our quality standards, we can guarantee the technical advance that comes with our claim.



SolarTec International AG plays a critical role in the development of competitive CPV systems.

Sol*Con™ technology, developed by the team of SolarTec International AG, is based on the results of many years of research and development, in close cooperation with leading international research institutes.

Sol*Con™ systems already reach module efficiencies that are far beyond those of standard modules. The current target of our development work is a further increase in the technical efficiency, in order to achieve cell efficiencies of up to 40% maximum in system-efficiency. This is being reached by continuous system improvement and matching of components and materials.

For the implementation of our technology, we set ourselves very clear targets:

Low Costs in Serial Production

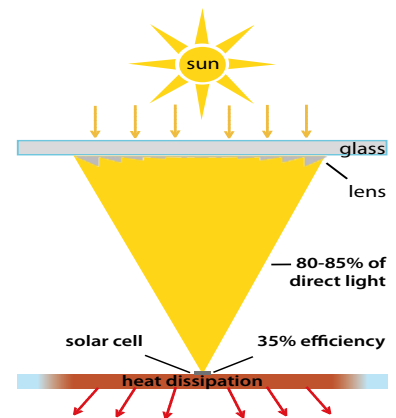
Minimum System-, Building – and Operating Costs

Maximum Life Cycle

Optimized use of Materials and Resources

Specifically under these aspects, we are on the forefront with Sol*Con™ technology.

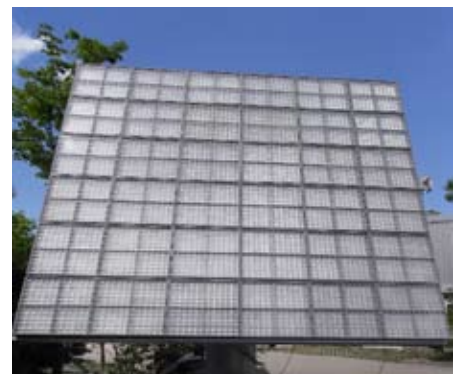
Beyond technical know-how, we are able to bring our experience in power plant installation, as well as, production of conventional modules. Thus, we utilize advantages which pay in practice.



The Sol*Con™ concentrator technology focuses the sunlight through fresnel lenses on a solar cell of 2 by 2 mm² size.

The coherent CPV development concept was a deciding criterion for the election of SolarTec International AG as industrial partner by the EU-development consortium "APOLLON".

Within this EU-project, and together with renowned partners, SolarTec International AG continuously leads CPV technology towards mass-production. Not least, we ourselves benefit again from synergies, as CPV systems are specifically appropriate for PV power plants.



SOLARTEC INTERNATIONAL AG

KNOW-HOW AND CONVICTION.

SolarTec International AG regards itself as holder of a responsible leadership role that implies more than a technological concept. Our target is to create the ground works to harvest the maximum of solar energy in all regions of the world, together with our partners.

We focus our experience, know-how and corporate culture on this target.

For the benefit of all who live on this planet.

Today and tomorrow.



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