

Conergy Projects Group
Worldwide experience.
Brilliant execution.



CONERGY



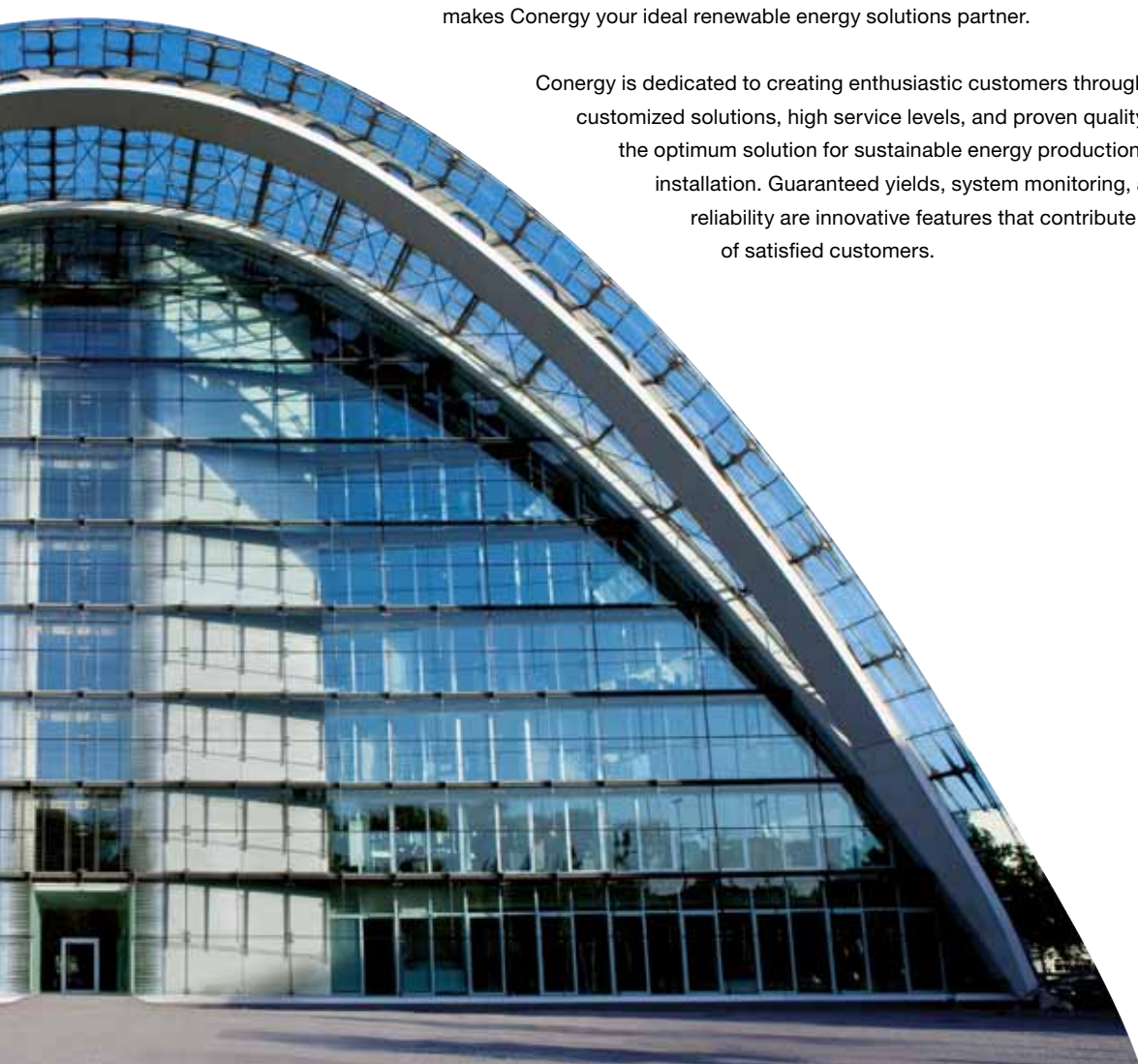
Let us put our experience to work for you.

Conergy was founded in 1996, has been active in the U.S. since 2004, and has quickly become a global solar energy market leader having successfully deployed solar electric projects totaling over 1.25 Gigawatts of renewable energy capacity. With more than 70,000 installations of every size installed worldwide, the Conergy team brings ease and peace of mind to your investment.

As a turnkey provider of solar energy systems, the Projects Group is the Conergy division closest to the end customer – commercial, industrial, and government and pursues a customer-focused strategy that aims to offer every client reliable, renewable, economically-viable energy solutions on time and within budget.

Complex, large-scale projects demand expertise in organization and logistics. The professionals at Conergy have the experience to successfully deliver all phases of large projects – beginning with the feasibility study, planning, custom technical solutions, equipment procurement, site and construction management, timely completion, testing, interconnection and system commissioning, and finishing with long-term service, operation and maintenance. Our ability to serve your needs through the entire lifecycle of the project makes Conergy your ideal renewable energy solutions partner.

Conergy is dedicated to creating enthusiastic customers through innovative customized solutions, high service levels, and proven quality. Conergy delivers the optimum solution for sustainable energy productions at each system installation. Guaranteed yields, system monitoring, and proven reliability are innovative features that contribute to thousands of satisfied customers.



**Conergy global headquarters
in Hamburg, Germany**

Conergy Projects Group: U.S. Reference Systems

Exelon-Conergy Solar Energy Center, Pennsylvania



Location: Falls Township, PA
Installed capacity: 3 MW
Modules: 17,000 Conergy S 175 MU
Project site: 16.5 acre landfill buffer zone

Situated adjacent to Waste Management's G.R.O.W.S. Landfill in Buck's County, Pennsylvania, a 3-megawatt (MW) solar energy system made history as the nation's largest east of the Mississippi. The Exelon project is an example of how state government, public utilities and private investors are supporting the large scale development of clean energy in the United States, in a manner that has been very successful in Europe. "Multi-million-dollar renewable energy projects, like the Exelon plant, reinforce Pennsylvania's leadership in one of the nation's fastest growing industries and highlight the potential for jobs and economic development," says Governor Edward G. Rendell.

The \$20 million project features more than 17,000 solar panels on a 16.5-acre tract of land adjacent to Waste Management's GROWS Landfill. Upon completion, the solar plant will annually produce approximately 3,700 megawatt hours of power, which is enough to meet the energy requirements of nearly 500 homes. This output of clean energy will reduce emission levels of carbon dioxide and sulfur dioxide that directly contribute to pollution and acid rain will be reduced by the equivalent to taking more than 440 cars off the road each year.

Fort Carson Army Base, Colorado



Location: Colorado Springs, CO
Installed capacity: 2 MW
Modules: 27,588 First Solar 72.5W
Project site: Use restricted, former landfill

Located just south of Colorado Springs, Colorado, Fort Carson is an active U.S. Army installation that supports 10 different military units with more than 19,000 active-duty personnel. As one of the largest Army military facilities in the western United States, it is home to two combat brigades, the 10th Special Forces Group and headquarters for Division West 1st U.S. Army which is responsible for training all Reserve Component units west of the Mississippi River. The Army has a strong commitment to clean, renewable energy; and, Fort Carson has one of the most forward-thinking energy strategies and track records in the Department of Defense.

Today, Fort Carson is the site of the largest solar array at a US Army facility and one of the largest installations in Colorado. This 2 MW application is a fixed tilt, ground-mounted photovoltaic array with nearly 27,600 flat-plate, thin-film modules that are expected to produce energy efficiently for up to 40 years. Covering almost 12 acres on top of a former landfill, it produces 3,200 MWh annually, enough to power nearly 500 homes.

South San Joaquin Irrigation District, Manteca, California



Location: Manteca, CA
Installed capacity: 1.9 MW
Modules: 6,720 Conergy S 175 MU

Clean power to produce clean water. The solar farm at South San Joaquin Irrigation District – capable of generating nearly 2 megawatts of electrical load – is quietly cutting into the \$500,000 annual PG&E bill for the nearby South County Surface Water Treatment Plant. "I believe we're the only (electricity generating concern) in California with a zero carbon footprint in our energy portfolio," noted SSJID General Manager Jeff Shields. Stable energy costs will benefit nearly 170,000 residents that rely on the plant for drinking water.

Conergy was selected as the solar energy partner to engineer, procure and construct a 1.9 MW single-axis solar tracking system to provide electricity to the state-of-the-art DeGroot Water treatment Plant. By following the sun from east to west over the course of the day, the single axis tracker will boost the energy output of the system by 15%. The \$12.5 million installation consists of 11,040 solar modules that will produce 3.7 million kilowatt hours of electricity output annually, enough to power 550 homes, and offsets 4,106,216 lbs of carbon dioxide per year.

Our systems generate high yields worldwide. And high returns for you at home.



Hemau Solar Park, Germany

The solar park comprises 32,740 solar modules with a peak output of more than 3.9 megawatts. The output of the solar park's 40 separate photovoltaic arrays would be sufficient to largely cover the electricity needs of Hemau's 4,600 inhabitants. Operating the system will also reduce greenhouse gas emissions by more than 82,000 tons of CO₂ over the next 20 years. The solar park, built on a scale that was worldwide unique, presented a special challenge for Conergy's engineers. The aim was to integrate the photovoltaic installation harmoniously into the site by using the existing infrastructure. Thus the 18-hectare site also includes numerous open areas to provide an ecological balance.

Output: 3,965 MWp
Number of polycrystalline BP modules: 32,740
CO₂ saving: 82,000 t/year
Solar Power production: 3.9 MWh



St. Aunés, France

Architecturally-integrated parking structure.

Output: 1.14MWp
CO₂ savings: 19,777 tons
Solar Power Production: 1.42 GWh



Darro Solar Park, Granada

The solar park occupies an area of 34 hectares, equivalent to 8 soccer fields. The installation consists of 710 dualaxis solar trackers whose characteristics mean that the tracker function is not affected by winds of up to 70 km/h. The estimated annual energy production from the installation is 11,600,000 kWh, which equates to the annual consumption of 3,500 families. It also eliminates the emission of 9,860 tons of CO₂ into the atmosphere

Output: 11,600,000 kWh
Number of modules: 16,410 Conergy C180
and 13,554 SunTechnics STM210
CO₂ saving: 9,860 t/year



Solar park in El Calaverón, Spain

Output: 21.2 MWp
Number of Conergy PowerPlus 220/230P modules: 96.000
CO2 saving: 39.000 t/year
Solar power production: 40,000 MWh
Specific yield:* 1,887 kWh/year

Car park of the Grand Hotel Serena in Torre Canne di Fasano, Italy

Output: 610.65 kWp
Number of Conergy PowerPlus 220P modules: 2,714
CO2 saving: 393 t/year
Solar power production: 850,000 kWh
Specific yield:* 1,392 kWh/year



Solar Power Plant, SinAn-Dongyang, South Korea

Since May 2007, Conergy teams have worked day and night to complete the largest solar plant in Asia, southwest of Seoul. The completed 24MWp will cover an area of 720,000m², an equivalent of 96 soccer fields. The solar power plant will produce annually 33,000 MWh – enough to supply 7,200 households.

Output: 24,000 kWp
Number of modules: 18,200
Specific yield:* 33,000 MWh/year



Konitsa, Greece

Output: 99.66 kWp
Number of Conergy PowerPlus 220P modules: 453
CO2 saving: 85.55 t/year
Solar power production: 145,000 kWh
Specific yield:* 1,455 kWh/year

Conergy Projects Group: U.S. Reference Systems

Sutter Basin Growers Association, Nights Landing, California



Location: Knights Landing, California, USA
Installed capacity: 864 kWp
Type of module: 11,917 First Solar 72.5 W

Sutter Basin Growers is a rice drying facility located in sunny California and hosts an 864 kW solar energy system which helps to offset utility escalation and reduce operating costs. Through the vision of Sutter Basin and the wisdom of the team at Conergy the system was installed before 2009 year end. The fixed tilt system which supplements the needs of two meters at the facility was chosen because of its cost effective design and maintenance, and includes 11,922 thin-film modules. Over the 25 year life of the system, it will reduce CO2 emissions equivalent to 86 million miles not driven.

Aqua Ingram's Mill Solar Farm, Chester County, PA



Location: Ingram's Mill, PA
Installed capacity: 1.1 MW
Project site: 4.5 acre sedimentation basin

Conergy and Sanyo collaborated on a 1.1 MW solar energy solution that transformed a 4.5-acre sedimentation basin into a highly-productive clean energy generation plant to create green jobs, alleviate congestion on the PJM grid and produce clean, renewable energy that will save Aqua Pennsylvania, Inc. (Aqua) \$77,000 a year on its energy bill.

The project – known as Ingram's Mill Farm – is slated to produce 1,300,500 kWh of peak-time energy a year for the treatment and transportation of water for hundreds of thousands of homes and businesses throughout Southeastern Pennsylvania. Ingram's Mill Farm will be one of the largest solar farms on the East Coast.

In addition to the project's many economic benefits, the clean energy being generated by the project translates into the environmental equivalent of planting 223 acres of carbon-sequestering trees, eliminating the pollutants from driving 35 million car miles and offsetting the burning of 66,000 barrels of oil.

J. Lohr Vineyards & Wines, Paso Robles, California



Location: Paso Robles, CA
Installed capacity: 756 kWp
Modules: 4,320 Conergy S 175 MU

J. Lohr owns 3,000 acres of California Vineyards including 2000 acres in the Paso Robles region where they have now added a state-of-the art 756 kW single axis tracking solar PV system. 4,320 modules were installed on ground-mounted arrays which track the sun from east to west on a daily basis, significantly increasing energy output. A respected leader in the wine industry, the Lohr family wanted their wineries to become more sustainable as well as to set an example for the energy intensive wine industry and the public. "Solar energy is a perfect fit for the California wine industry. We're innovators and entrepreneurs and we're committed to the land. The success of our wines depends on our environmental stewardship," says Steve Lohr, Senior VP of Planning and Development for J. Lohr Vineyards & Wines.

The system is the largest solar energy installation of its kind in the North American wine industry. It will offset most of the winery's annual energy use with expected first year utility savings of \$216,000 and will reduce CO2 emissions equivalent to planting 512 acres of trees or not driving 96 million miles. Owning their own solar electric system makes them more energy independent with more predictable energy costs for decades to come.

Large U.S. Project Installation Portfolio

Project Name	Location	Utility	Size (kW dc)	Type	Year	PV Technology	Inverter Technology
Shasta Fairgrounds	Cottonwood, CA	PG&E	180	Roof	2006	Kaneka, Mitsubish	Xantrex
Del Mar Fairgrounds	Del Mar, CA	SDG&E	1,000	Roof	2005	BP Solar	Xantrex
Santa Rosa Fairgrounds	Santa Rosa, CA	PG&E	750	Roof	2007	Schott	Xantrex
Anderson Fairgrounds	Anderson, CA	PG&E	157	Roof	2005	Kaneka, Mitsubishi	Xantrex
Red Bluff Fairgrounds	Red Bluff, CA	PG&E	102	Roof	2007	First Solar	Xantrex
Marin County Fairgrounds	San Rafael, CA	PG&E	198	Roof	2007	Schott	Xantrex
Santa Maria Fair Park	Santa Maria, CA	PG&E	201	Roof	2007	First Solar, Evergreen	Xantrex
Madera County Fair	Chowchilla, CA	PG&E	823	Roof	2007	First Solar, Mitsubishi	Xantrex
Chowchilla Fair	Chowchilla, CA	PG&E	92	Roof	2004	First Solar, Mitsubishi	Xantrex
Chico Fairgrounds	Chico, CA	PG&E	102	Roof	2006	BP Solar	Xantrex
Bishop Fairgrounds	Bishop, CA	SCE	70	Roof	2004	BP Solar	Xantrex
Antioch Fairgrounds	Antioch, CA	PG&E	159	Roof	2004	Kyocera	Xantrex
Lakeport Fairgrounds	Lakeport, CA	PG&E	79	Roof	2006	Schott	Xantrex
Ridgecrest Fairgrounds	Ridgecrest, CA	SCE	136	Roof	2004	BP Solar	Xantrex
Blythe Fairgrounds	Blythe, CA	SCE	45	Roof	2005	BP Solar	Xantrex
Cal Expo Fairgrounds	Sacramento, CA	SMUD	418	Roof	2007	Duna SolarMitsubishi	Xantrex
Bishop Fairgrounds Phase II	Bishop, CA	SCE	70	Roof	2006	Mitsubishi	Xantrex
El Dorado County Fair	Placerville, CA	PG&E	145	Roof	2007	First Solar	Xantrex
Napa County Fairgrounds	Napa, CA	PG&E	63	Roof	2006	First Solar	Xantrex
Lodi Grape Festival	Lodi, CA	Lodi	33	Roof	2006	Mitsubishi	Xantrex
Sonoma Fairgrounds	Sonoma, CA	PG&E	689	Canopy	2007	Schott	Xantrex
Applied Technology	Paso Robles, CA	PG&E	244	Roof	2008	Day4SunTech Power	Xantrex
LA Mission College	Sunland, CA	SCE	207	Canopy	2008	SunTech	Power Xantrex
South San Joaquin Irrigation District	Escalon, CA	PG&E	1,176	Ground	2008	Conergy	Xantrex
Warmerdam Packing	Hanford, CA	PG&E	1,160	Roof	2008	Conergy	Xantrex
Federico Beauty College	Sacramento, CA	SMUD	103	Canopy	2007	SunTech Power	Solectria
Northern California Safeway Stores	9 Cities	SCE/PG&E	2,185	Roof	2007-09	SunTech, Sanyo	SatCon
Colusa Rice	Colusa, CA	PG&E	314	Ground	2007	SunTech Power	Xantrex
EOS Estate Winery	Paso Robles, CA	PG&E	540	Ground	2008	Conergy	Xantrex
J. Lohr Vineyard & Wines	Raso Robles, CA	PG&E	756	Ground	2008	Conergy	Xantrex
Fort Carson Army Base	Fort Carson, CO	Xcel	2,000	Ground	2007	First Solar	SatCon
South San Joaquin Irrigation District Phase II	Escalon, CA	PG&E	417	Ground	2009	First Solar	Xantrex
Exelon-Conergy Solar Energy Center	Falls Township, PA	Exelon	3,000	Ground	2008	Conergy	SatCon
Grand Total			17,614				

Summary by System Type	
Roof	8,412
Canopy	999
Ground Mount	8,203
Total	17,614

OUR WORLD IS FULL OF ENERGY.



CONERGY

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