

## Core Team:

**Reinhold Ziegler** ~ CEO & Founder, Reinhold is educated as a mechanical/electrical engineer and industrial designer. He is a pioneer in the development of appropriate technology and renewable energy systems: Co-author of the solar village classic: *Village One*; ; Builder of the U.S. Department of Energy's *Energy Pavilions*; Founder of Earth Lab Institute; Staff member of the Farallones Institute's *Integral Urban House*; Third major wind farm developer at Altamont Pass; Holder of several energy utility and design patents; Systems architect of building-integrated PV and Wind turbines, Designer of aeroponic and aquaponic growing systems; Co-Director of the International Academy of Natural Sciences, IAONS, an R&D Incubator and business accelerator.

**Roy Schwartz** ~ V.P. of Development and Finance. Roy is a seasoned and experienced expert with the financing of many renewable energy projects. He is leading the capital formation of Enviro-Lease & Sales, Synergyii's building, energy, transportation service company. (BETSCO).

**Karen Hansen** ~ A serial entrepreneur, launched the first portable, affordable and hurricane housing for the "Gulf Coast Housing Initiative" demonstrating modular manufacturing critical for permanent & affordable housing for displaced residents. Ms. Hansen organizes all the planning phases for Synergy's accelerated growing technologies and Bio-Shelter Centers.

**Bob Leff** ~ Chief Technician, is a licensed electrical and solar contractor in Colorado, Washington State, California and Arizona. He is specialist in facilities management & integration.

## Associates:

**Christopher H. Belknap**, Principal Architect Extraordinaire, Master Planner, CEO Design Earth Synergy & GrowGreen Power Inc. [www.designearthssynergy.com](http://www.designearthssynergy.com)

**Gary Bailey**, AIA, Architect of Parabolic Concentrator energy integrated buildings. [www.solargenix.com](http://www.solargenix.com); [www.growgreenpower.com](http://www.growgreenpower.com)

**Bil Becker**, CEO of Aerotecture International Inc. Chicago, [www.aerotecture.com](http://www.aerotecture.com), Professor of Design

**Les Hamasaki**, Master Planner, President & CEO International Green Technology Institute, Inc. [www.greentechnologyinstitute.org](http://www.greentechnologyinstitute.org) A 501-C3 Green R&D Institute and technology incubator.

**Antonio C Pinto**, Founder & CEO Synergy Americas Consortium, Inc. [www.synergyamericas.com](http://www.synergyamericas.com) Solar Energy systems designer & engineer, CAD expert. Latin American green energy market expert.

**Francisco Javier Heras Guillen**, M.C. Energy systems designer and electro-mechanical engineer. Founder of Synergy Renovables LLC, Mexico City. [www.kapoverdiarenovables.com.mx](http://www.kapoverdiarenovables.com.mx)



Hydroponic-Aeroponic Solar-Wind Greenhouse , 2006



Oklahoma Medical Research Foundation, 2008 Solar & Windtecture



[www.synergyii.com](http://www.synergyii.com)

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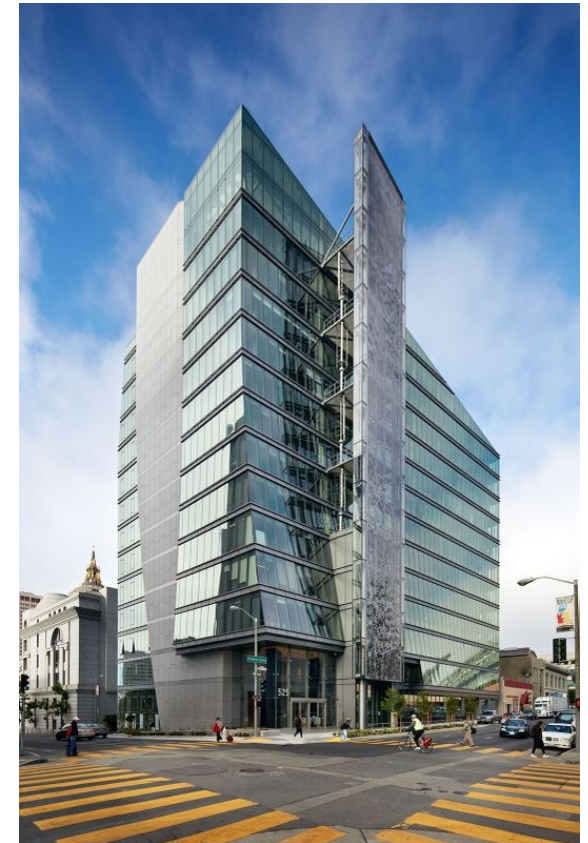
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# Synergy International Inc.



The San Francisco Public Utilities Commission Building 2007  
Architecture: KMD | Stevens Solartecture: Reinhold Ziegler

We bring over thirty five years of  
renewable energy and appropriate  
technology experience  
to the built environment.

# THINKING GLOBALLY... ACTING LOCALLY

**SYNERGY International Inc** is a consortium of successful professionals in green architecture, solar, wind, solar concentrator manufacturing, complimented by sustainable land, and real estate development. We are a one-stop source delivering turn-key Solartecture®, integrated with renewable energy systems, and true-green building elements and components.

**www.synergyii.com** re-designs buildings and open land into green and healthy environments powered by building-integrated renewable energy systems or ground mounted wind and solar energy systems.



## Energy Conservation and Savings

We retro-commission existing commercial buildings, improving operational efficiencies by 15 – 35%. Preliminary walk-through site surveys are followed by the installation of wireless sensors and data loggers which provide real-time data on the performance of the building or campus. Study of this data results in a decision to invest in those measures which have the highest rate of return on investment.

Typical cost to achieve a saved watt (a negawatt) is \$.50

## New Energy Generation

Our core expertise is designing and installing building-integrated solar, wind, hybrid systems on existing and new structures. This proprietary Solartecture is composed of architectural energy elements. The energy may be utilized on-site, or sold through a Power Purchase Agreement (PPA). Building owners become their own power companies.

*Design and installed cost of a Solar PV, Solar Thermal Concentrator or Wind System runs typically \$2.20 per watt.*



Solar Concentrator Chiller System, HOLCIM Mexico 2010-12

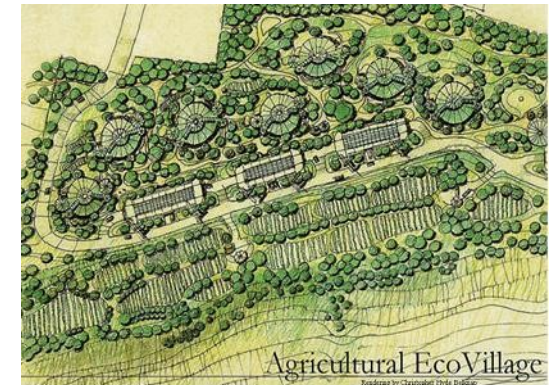
## Land and Infrastructure Projects

**Solar Farms** - As design engineers and developers of ground-mounted and building-integrated PV and solar thermal arrays, we build, operate, and transfer these arrays into long-term service with 25 year warranties. We also private-label our own photovoltaic panels, inverters, and the balance of systems. We are your farming partners whether you are growing food or making electrons.



**Wind Farms** - Designers and builders of the third major wind farm in the world at Altamont Pass, CA, in 1981. As bonded site surveyors, we determine the wind spectrum, matching this data to appropriate wind turbines for deployment on buildings and remote landscapes.

**Bio Farms** - Designers and architects of bio-intensive green buildings. We generate roof-top solar energy for growing our proprietary SYNPNIC® vegetables, nutraceuticals, and pharmaceutical crops at a factor of 8 over conventional farms, with only 1/20<sup>th</sup> the water.



## EcoVillage and EcoResort Design

Our eco-systems approach to development has allowed us to integrate energy, buildings, water, food production, agriculture, waste-treatment, and transportation into a holistic living design that generates a lifestyle of health and sustainability. These regenerative designs are being viewed as the solution for global eco-city settlements and for much needed economic stimulation. Join us in creating a new World.