

SOLAR POWER

Bechtel has served our customers as the contractor of choice for a wide variety of power generation facilities for nearly 60 years. We are proud to continue that tradition today as we help our customers build their renewable energy portfolio with sustainable resources like solar power.

Through our innovation, technical resources, and comprehensive engineering, procurement, construction (EPC), and startup services, we add value in deploying concentrated thermal (both trough and tower) and photovoltaic solar technologies. Bechtel's services cover the full spectrum of reliable power generation from the solar field to the power island to the balance of facilities.

Bechtel has an unparalleled track record of managing both large- and small-scale projects, including many industry firsts. We couple this experience with our industry-best practices and ability to rapidly scale projects in a variety of global regions and climates to provide our customers certainty of outcome.

HIGHLIGHTS

- » No. 1 power industry engineer and constructor for 13 consecutive years, as ranked by *Engineering News-Record* magazine
- » Nearly 1.1 billion global construction hours managed during past 5 years across all industry business units
- » In 2010, more than 42 projects each achieved at least 1 million safe work hours across all industry business units

KEY PROJECTS

IVANPAH SOLAR ELECTRICITY GENERATING FACILITY

Overview: Bechtel is performing project management, EPC, and startup services for this 400 MW concentrated-thermal solar power facility in southeastern California. The facility consists of three separate plants which are scheduled to come on line in 2012 and 2013.



SOLAR TWO PROJECT

Overview: Bechtel provided engineering, procurement, and construction management services for this 10 MW, concentrated-thermal solar power plant in California's Mojave Desert during the late 1990s. The plant demonstrated the use of molten nitrate salt solar power technology and a collaborative effort among government and private industry.



KERMAN PHOTOVOLTAIC

Overview: Bechtel performed project management, engineering and construction services for this 500 kW photovoltaic solar facility near Fresno, California, during the early 1990s. The project was built to specifically demonstrate the ability to interconnect a photovoltaic facility with a local power grid. The project realized the benefits of scalability, shorter construction schedules, lower capital cost, and use of existing infrastructure.



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