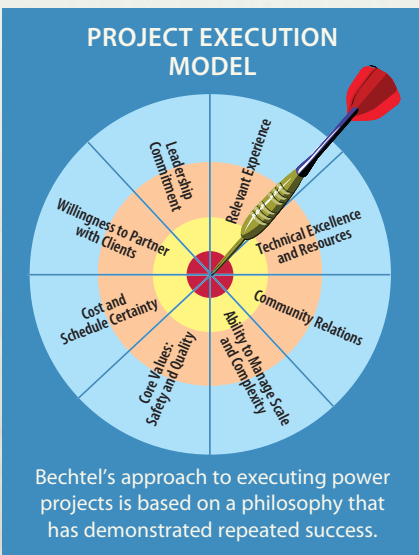


# WIND POWER

**B**echtel has served our customers as the contractor of choice on a wide range of power generation facilities for over 65 years. We are proud to continue that tradition today as we help our customers build their renewable energy portfolio with sustainable resources like wind power.

Wind is the fastest growing energy technology in the world. Bechtel can add value through our innovation, technical resources, and integrated development, planning, deployment, and startup/commissioning services. We put wind energy to best use in both on-grid and off-grid applications, matching power output capacity, turbine size/available wind resource,



backup power needs, and other factors to customer-unique requirements. Drawing on our experience in the wind energy industry and employing industry-best practices, Bechtel stands ready to assist customers in putting this clean source of renewable energy to work.

## 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

### NATIONAL RENEWABLE ENERGY LABORATORY

Bechtel was one of the contractors responsible for the U.S. Department of Energy's (DOE's) National Renewable Energy Laboratory (NREL) in Colorado, which includes the Wind Technology Center and its wind turbine testing facilities. The NREL mission is to improve understanding of the complex interactions between humans, management activities, and ecosystems.



## CAPABILITIES

### OVERVIEW

Bechtel's team of seasoned industry professionals supports execution of successful wind power generation projects with the following suite of services:

#### » Development Support

- » Financial viability and support
- » Market and technology assessments
- » Feasibility studies
- » Technical services

#### » Engineering

- » Geotechnical investigation
- » Collector system design
- » Substation and interconnect design
- » Transmission design
- » Civil design
- » Foundation design

#### » Construction and Procurement

- » Site laydown area preparation and security
- » Access road and crane pad construction
- » Turbine site laydown and crane pad construction
- » Turbine foundation construction
- » Collector system construction
- » Substation and interconnect construction
- » Transmission line construction
- » Turbine erection
- » Turbine tower wiring and FAA light installation
- » Met tower installation
- » Operations and maintenance building construction

#### » Startup and Commissioning



6/2011 9095



**BECHTEL**

Frederick, Maryland USA  
301-228-8609  
bechtel.com

San Francisco

Houston

London

Brisbane