

## FRONTEND

### Taking the LEED

The U.S. Green Building Council has awarded Bechtel's new Washington, D.C., office platinum certification under the Leadership in Energy and Environmental Design standards for commercial interiors (LEED-CI). Platinum is the highest level of the green building rating system.

The new Bechtel office is one of just three projects in Washington and one of 21 in the United States to earn platinum status for commercial interiors. "We're moving into a new era of construction, and all of us as Bechtel employees can be proud to be a part of it," says Bernie Toon, who heads Bechtel's Washington operations.

The office features water- and energy-efficient fixtures and ENERGY STAR appliances and equipment. Other LEED features include use of rapidly renewable bamboo products for wood paneling; CO2 sensors to monitor air quality; and paints, adhesives, and carpets with low levels of volatile organic compounds.

### Global Awareness

Virtually every square inch of the Earth's surface is detailed on maps. While engineers relish this wealth of data, finding

the right map with the right information can be daunting—and costly.

That's why Bechtel's Geographic Information Systems group recently developed a database of the company's most commonly used maps, from terrain elevations and highway maps to wetlands locations. The database minimizes duplicated efforts and costs, and its open storage format allows employees to import, combine, and overlay maps in standard engineering software. It's a powerful way to centralize and automate the dissemination of important data.

### Powering Up

Bechtel is undertaking its first power project in Russia—a 411-megawatt combined-cycle plant in the Perm region about 1,300 kilometers east of Moscow—one of the coldest areas of the country.

Working with Turkish partner Enka, Bechtel will provide design and procurement services for the Yajva State District Power Plant. The customer is Russian power provider OGK-4 Open Joint Stock Company.

Bechtel's initiation into the Russian power market has included development of an early engineering plan that accounts for temperatures as low as



Bechtel employees gathered in May at the San Francisco Food Bank to pack pasta and commemorate the company's 20 years of support.

**DOING  
OUR PART**

### TAKING IT TO THE BANK

Bechtel is celebrating a 20-year partnership with the San Francisco Food Bank. Since 1989, hundreds of employees have volunteered to sort, stack, pack, and repack food in the organization's warehouse. Bechtel also played a role in expanding the Food Bank's reach in the early 1990s. At that time, the organization operated from a facility with a leaking roof and a shortage of cooler and freezer space. Chairman and CEO **Riley Bechtel** co-chaired a campaign that raised money for a larger,

permanent distribution center, Bechtel Group Foundation donated \$300,000, and the company provided pro bono project management services during the warehouse's design and construction. In 2008, the Food Bank distributed more than 31 million pounds (14 million kilograms) of food, about half of it fresh produce, to more than 600 nonprofit organizations. At any given time, there are 2 million pounds (907,185 kilograms) of food at the warehouse.

minus 55 degrees Celsius. The design includes special features such as an especially large inlet air heater for the gas turbine. In addition, the project will use steel that can withstand bitter cold without becoming brittle.

Bechtel and Enka have worked together on numerous projects, including the Rijnmond power plant project

in the Netherlands, completed in 2004, and several power plants in Turkey in the 1990s and early 2000s. Current joint Bechtel and Enka projects include motorway projects in Albania and Romania as well as the Sakhalin II gas development project on Russia's east coast.