Westinghouse Electric Company

has a proven track record for providing the safest, most advanced and cost-effective technologies for the commercial nuclear power industry. Our research and technology is the basis for nearly half of the world's operating nuclear power plants. Looking to the future, Westinghouse is taking the next steps to develop even more advanced nuclear power options to meet the world's diverse energy needs.

Worldwide electricity demand is expected to nearly double by the year 2030 and Westinghouse is preparing to meet this increased demand, while continuing to service existing plants. Leading the nuclear renaissance is our newest reactor design, the **AP1000** nuclear power plant. What distinguishes this design from others is that it is more than 200 times safer than U.S. Nuclear Regulatory Commission requirements. It is designed to shut down automatically, without the need for backup power, and will cool itself for 72 hours before any human intervention is necessary. This is made possible through the use of gravity, natural circulation, condensation and convection. Four **AP1000** units are under construction in China, six more units are under contract in the U.S. and an additional eight units have been announced as the technology of choice by U.S. utilities.

Westinghouse is also meeting the increased challenges faced by today's global power industry with the introduction of its small modular reactor. This small-scale reactor is based on the **AP1000** design, but is sized to be rapidly deployed in remote and developing areas of the globe. Its size allows it to be shipped by rail, for efficient factory fabrication and delivery that guarantees quality control.

With demand for electricity growing, Westinghouse has taken broad steps toward improving technologies, designs and customer-focused behaviors, and has embarked on a plan to attract, engage and retain employees.

Nuclear Services
Westinghouse provides PWR and BWR support, advanced products, component services and training; engineering services to help plants improve reliability and sustain regulatory compliance; and installation and modification services, including plant engineering, welding and machining, site installation and decommissioning, and dismantling services.

Nuclear Automation
Westinghouse provides full-scope, word-class instrumentation and control (I&C) solutions for operating and new nuclear power plant designs.

Nuclear Fuel
Westinghouse partners with nuclear plant operators to support the fullest range of facility and fuel configurations including PWR, BWR, VVER and AGR, and Magnox reactors.

Nuclear Power Plants
With a global network of partners and suppliers, Westinghouse provides the full range of products and services to design, license, build and commission nuclear power plants around the globe on a full-scope, turnkey basis.

Westinghouse

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You can be sure...
if it's Westinghouse

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