

PLANS AND SUPPORT FOR A PRISMATIC HIGHTEMPERATURE GAS-COOLED REACTOR DESIGN

Finis H. Southworth
Chief Technology Officer
AREVA NP Inc.
February 20, 2008

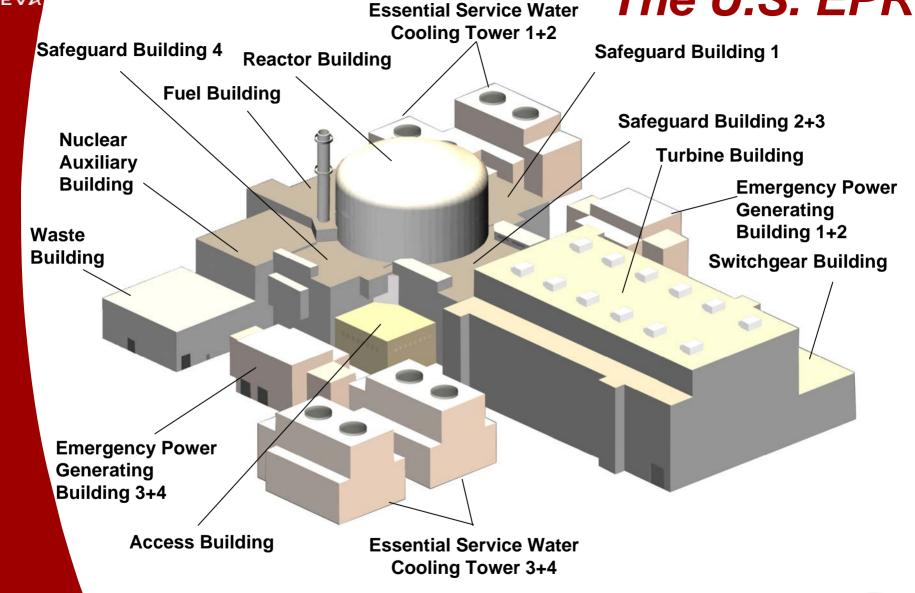


AREVA'S Near-Term Strategy

- > Deploy new nuclear baseload generation
 - EPR plants under construction at Olkiluoto and Flamanville
 - Application for U.S. EPR design certification submitted December 11, 2007
 - Four Combined License applications in preparation



The U.S. EPR





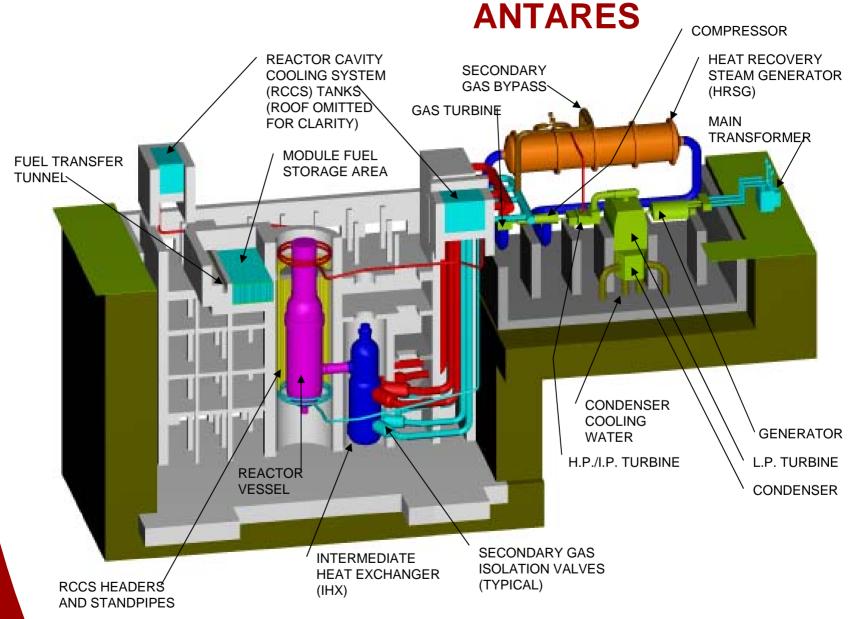


AREVA'S Long-Term HTR Strategy

> Develop ANTARES hightemperature, gas-cooled, prismatic reactor design

Plan for deployment consistent with market demand for CO₂-free energy for electric and nonelectric applications





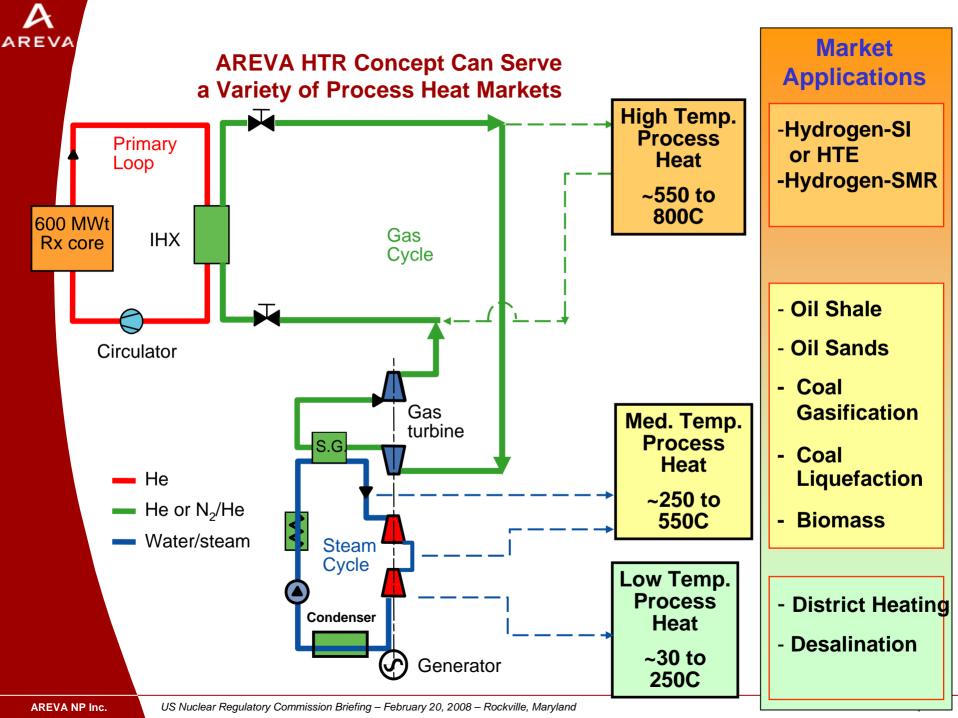
CUTAWAY VIEW OF REFERENCE PLANT



Benefits of HTR Technology

- > Small efficient electrical output
 - Low cost power for small markets
 - Incremental capacity tailored to growth

- > Flexibility for multiple process heat applications
 - Petroleum extraction from shales or heavy oils
 - Chemical processing
 - Hydrogen production





Future HTR Development

- > AREVA supports HTR technology and licensing strategy development
- NGNP Program contributes to technical, infrastructure, and regulatory progress
- > ANTARES deployment will support commercial demand for HTR capabilities