

GE Hitachi  
Nuclear Energy

**Nuclear Energy ...  
securing a bright future...  
around the world...  
...with US leadership and technology**

**Lee Elder  
SVP, Global Sales**

**Nuclear Energy Summit  
October 8, 2008**



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# GE in energy



**Gas**



**Wind**



**Nuclear**



**Solar**



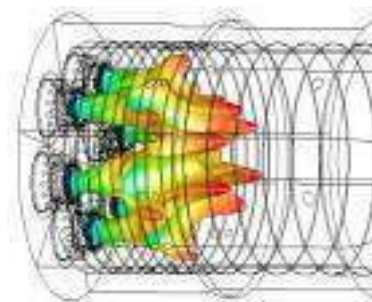
**T&D**



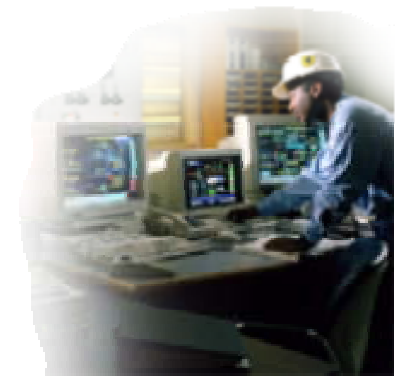
**Biomass**



**Cleaner Coal**



**Environmental Services**



**Asset Optimization**



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# Our Nuclear business...



## Nuclear Power Plants

- Generation III: ABWR
- Generation III+: ESBWR
- Generation IV: S-Prism



## Nuclear Services

- Reactors, turbines & balance of plant
- Life extension
- Power uprates
- Performance services
- Outages and inspections



## Fuel Cycle

- Boiling water reactor & mixed oxide fuel
- GE Hitachi Canada Candu fuel & handling Equipment
- Fuel Engineering Services
- Enrichment
- Nuclear Isotopes



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1955 Atomic Power Equipment Department  
founded in Schenectady, NY

1956 Vallecitos Atomic Laboratory  
Headquarters moves to San Jose

1957 First GE BWR opens in Vallecitos

1960 Dresden Plant opens in Illinois

1961 Superheat Advance Demonstration Experiment  
Empire Vallecitos Experimental Superheat Reactor

1963 Oyster Creek Plant opens in New Jersey (BWR2)

1970s  
/80s Jet Pumps; BWR 4-6  
ABWR in Japan

1992 ABWR in Japan

1996 ABWR Contract with Taiwan Power

2000 Global Nuclear Fuel

2003 HQ relocation to Wilmington

2005 ESBWR Design Certification (application filed)

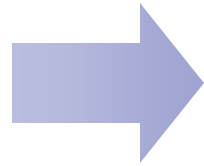


# 50 YEARS of Dedication

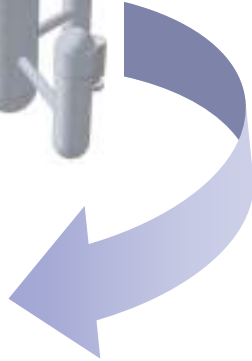
# BWR evolution – 50 years in the making



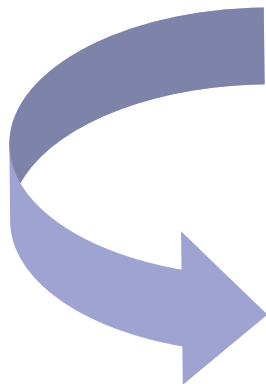
Dresden 1



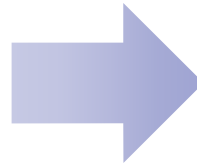
KRB



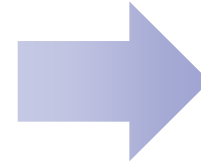
Oyster Creek



Dresden 2



**ABWR**  
**Gen III Active Safety**

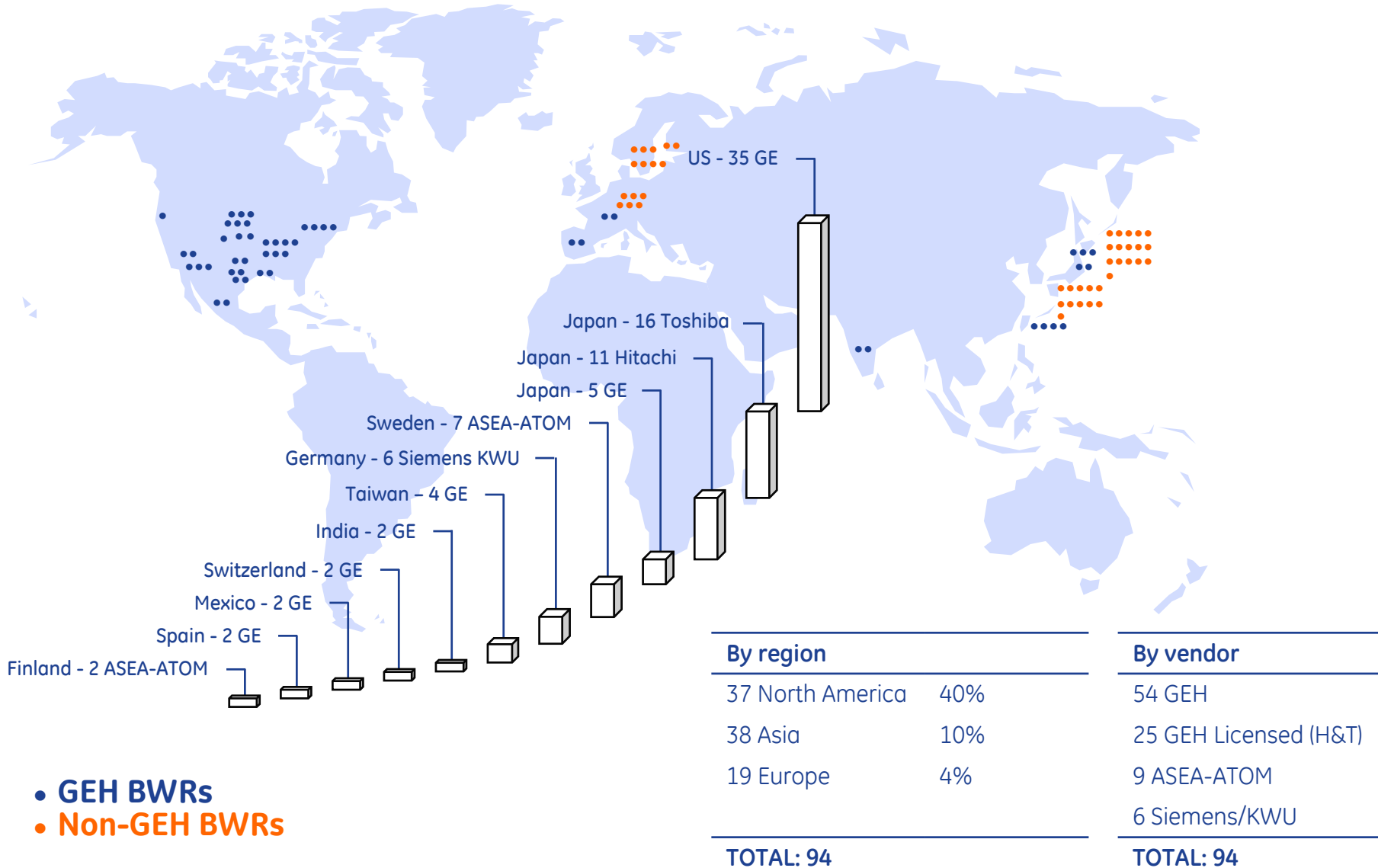


**ESBWR**  
**Gen III+ Passive Safety**



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# BWRs Worldwide

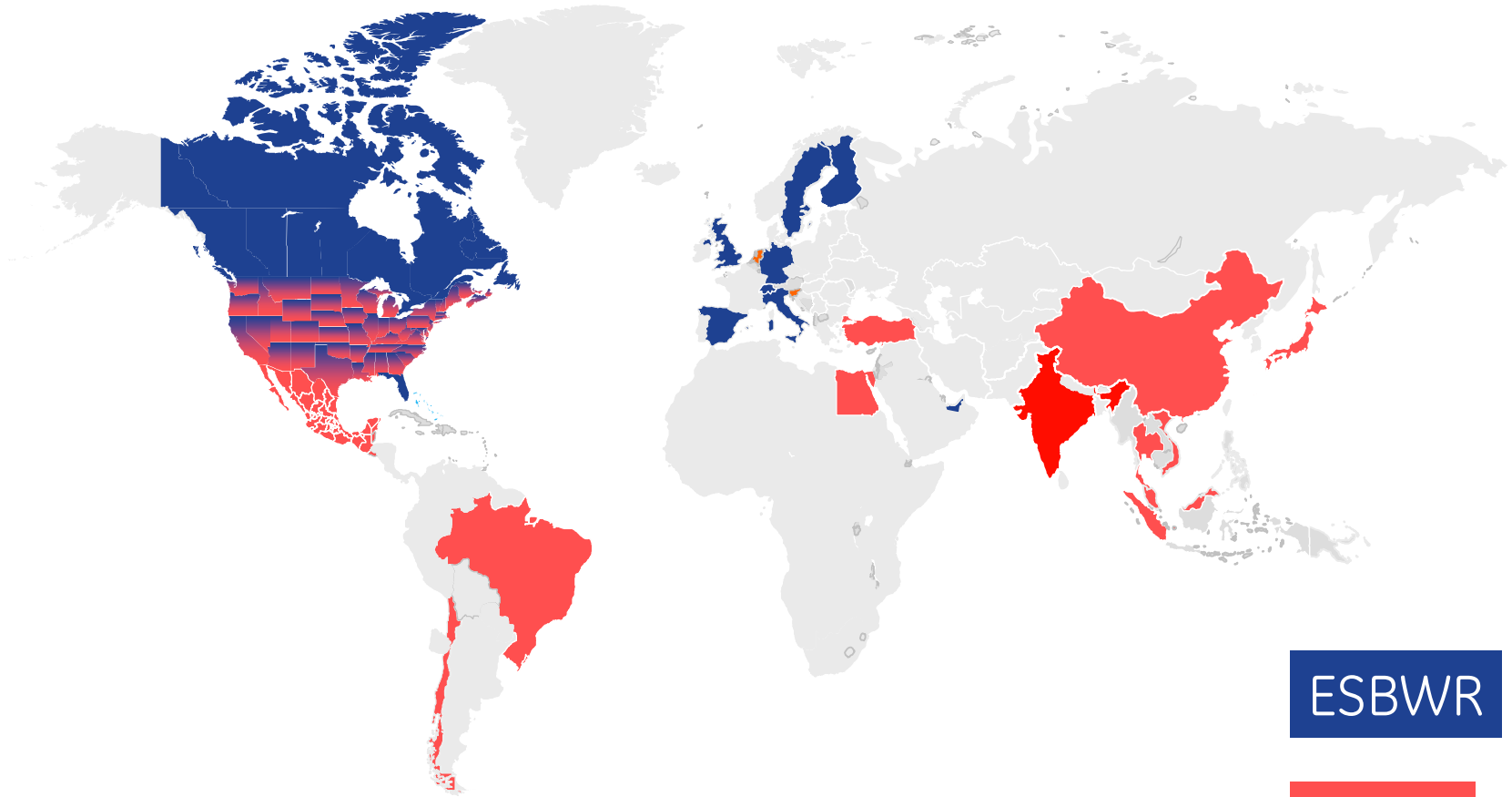


- **GEH BWRs**
- **Non-GEH BWRs**



# Demand for GEH technologies: ABWR & ESBWR

The only American company to offer two advanced technologies



ESBWR

ABWR



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# Government and industry best together when...

## ...national interest & focused

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- GHG reduction
- Energy security
- Energy's vital role in the economy

## ... larger-than-industry challenges

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- Credit Market Crisis
- Proliferation
- Inter-nation inconsistency in regulation
- Capital cost uncertainty



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# The EPAct 2005 has been a great enabler..

## U.S. Federal Government Support

Program	Value to industry
NP2010	Over \$1B since 2002
DOE Loan Guarantees	\$18.5B authorized till-date
Production tax credits	\$125M/year with \$1B max
DoE standby support	\$2B total



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# Going forward...domestic policy support

Federal Loan Guarantees; fair share of incentives for nuclear



Climate legislation

Reinvigoration of infrastructure



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# Going forward..international support

Conclude 123 agreements with priority countries



Clean Technology Fund

Promote US technologies as a solution for SNF



# In conclusion...

**Bright future ahead for nuclear energy**

**EPAct 2005 a great success, but more is needed**

**Sustaining US global leadership a priority**

**SUCCESS = (Policies + Incentives) X Competitive business model**



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securing a bright future...  
around the world...**

**with US leadership and technology...**

**...made possible by USG-industry partnership**