

# Innovative Light Water Reactor Highly Innovative ABWR

**HITACHI**



GE VERNOVA

- Incorporating new safety mechanisms into the UK-ABWR, satisfying post-Fukushima regulations, UK and European regulatory requirements
- Ensures walk-away safety, minimizes radioactive release with advanced filtration, and enhances structural resilience against natural and terrorist threats

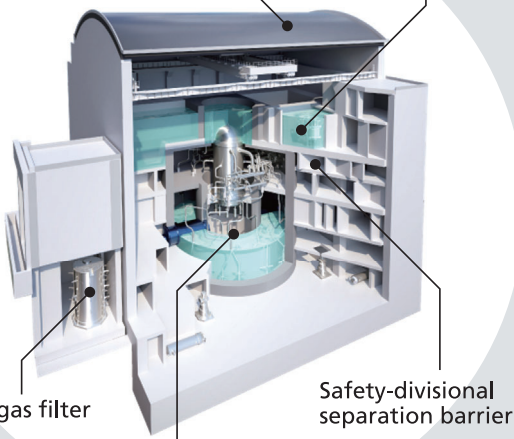
Reinforced building  
against airplane crashes

Passive reactor  
cooling system

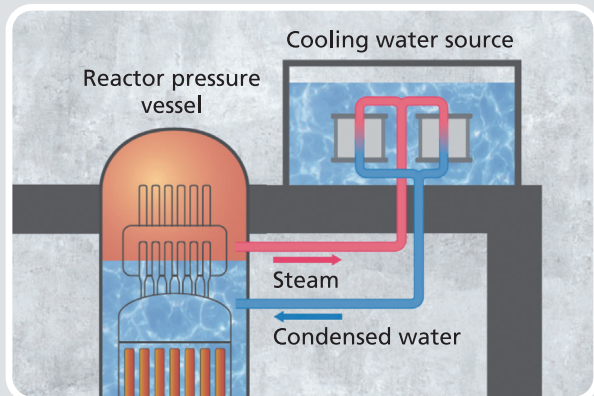
Noble gas filter

Safety-divisional  
separation barrier

Core catcher + Lower drywell flooder



**HI-ABWR**  
*Highly Innovative ABWR*



**Passive reactor cooling system for  
“walk-away safety”**