Benefits of Achieving International Standardized Licensing

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# Standardized Licensing has numerous benefits over the entire life cycle of a plant

Licensing and Permitting

Construction

Operation

Maintenance and Modifications

Decommissioning



### **Design Standardization**

No "one-off" or "unique" design features simply to satisfy a specific country's regulatory requirement





### More Thorough Design/Licensing Review

A standard design will benefit from review by multiple entities (Regulators, Licensees/O

- Regulators review to common regulatory requirements and standards
- Licensees/Operators review to establish optimum operating/maintenance practices
- Best practices/design improvements get implemented fleet-wide



### More Stable Supply Chain



Major component vendors will benefit from common regulatory/industry standard requirements

- Common tooling/manufacturing processes
- Common inspection techniques
- Can focus on meeting a limited set of requirements versus changing tooling/processes for each customer



## Product Life-Cycle Maintenance... Maintain appropriate balance of Cost and Safety

Start with a Standard Design and ...

Standard upgrades for the fleet are more cost effective -- enhancing Safety

Cost

Start with multiple FOAK plants and...

 Standard upgrades are more expensive and therefore, less likely – reducing Safety



### "Owners Groups" become more Effective

#### A Fleet of Standard Designs means...

- Better communication among Licensee/Operators and Regulators
- Better sharing of Operating Experience
- Better focus of technical resources on common fleet safety benefits
- More cost-effective operation and maintenance practices



### **Emergency Planning and Response Improves**

A Fleet of Standard Designs with common regulatory requirements means...

- Emergency Operating Procedures can be standardized/optimized
- Best practices shared
- Training and drills can be shared
- Identified enhancements implemented efficiently



### Ultimate Decommissioning shares benefits

A Fleet of Standard Designs with common regulatory requirements means...

Ultimate decommissioning/dismantling activities

can be standard

Best practices shared









