

Lessons Learned from Recent New-Build Projects

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Lessons Learned from current AP1000® Plant Projects

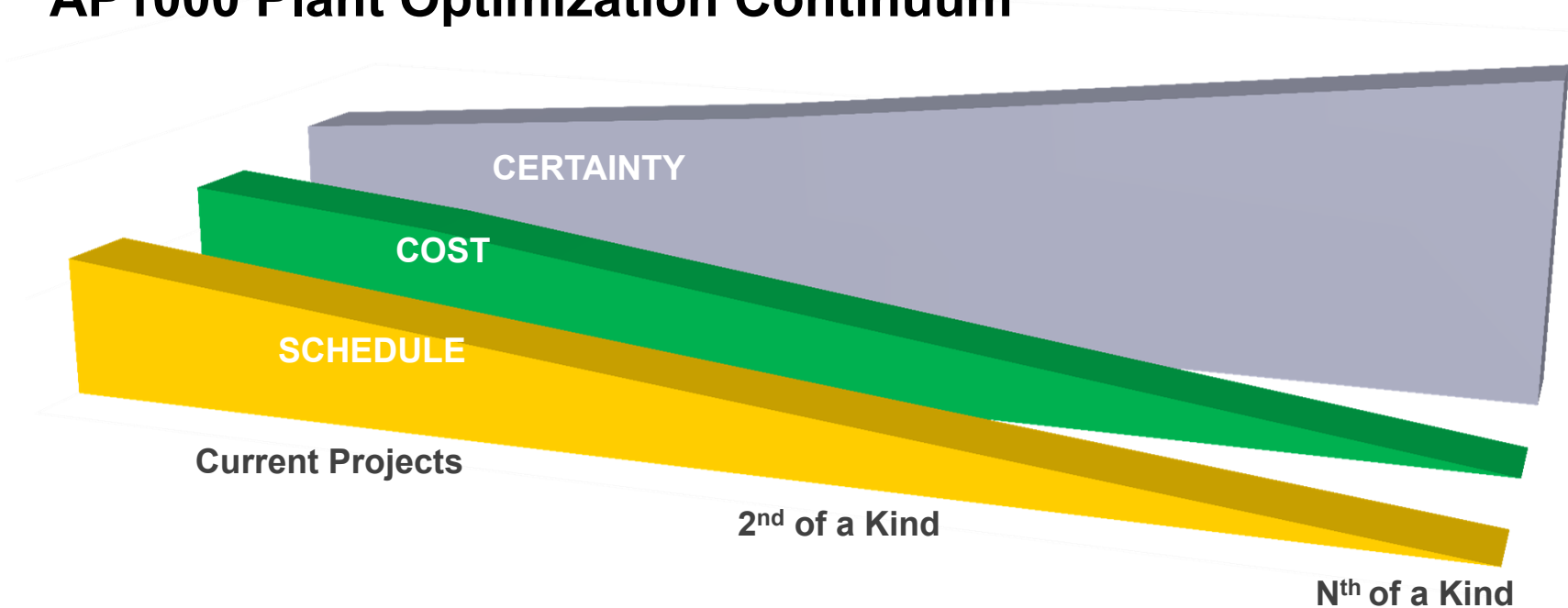
- Formal, robust lessons learned process
 - Several thousand entries
 - Close communications between all 4 projects
 - Feedback to future projects
- Design and Construction Optimization
 - Design Finalization
 - Construction sequencing
 - Module fabrication optimization
- Equipment Manufacturing and localization
 - First of a kind issues
 - Supplier performance
 - Local codes and standards



Importance of Proven Design, Equipment & Supply Chain

Continuous Improvement in Project and Product Delivery

AP1000 Plant Optimization Continuum



Achieving reduced schedule and cost, increased certainty through:

- Lessons Learned
- Best Practices
- Optimization Concepts
- Technical Advances

AP1000 Project Command Centre

- ***Changing the Way We Deliver AP1000 Plants***

- *PCC Responsibilities*

The team's key responsibilities are to:

- **Prioritize** the use of Westinghouse resources to meet deliverables and commitments, and resolve emergent issues
- **Align** all personnel by communicating with speed and transparency
- **Integrate** the project scheduling and issue management tools and processes to ensure efficiency and agility, and promote continuous improvement
- **Drive** for excellence in everything Westinghouse delivers to its partners and customers



Road to Improvement

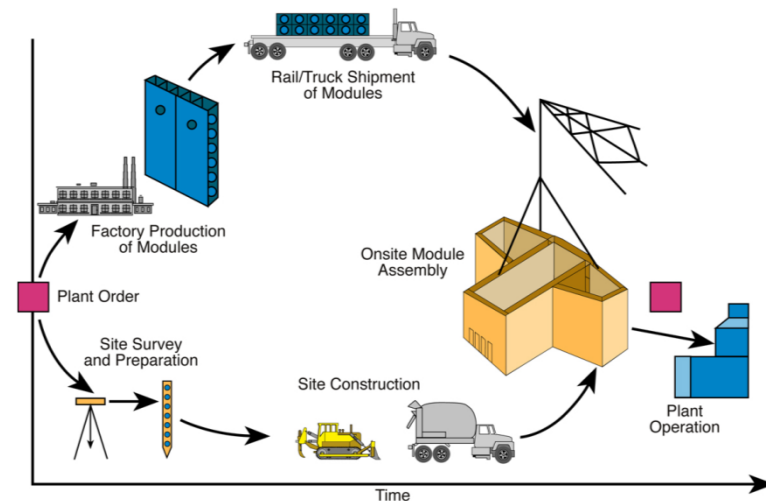
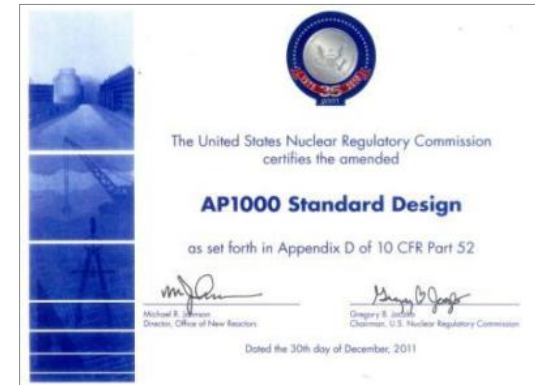
- Optimization Program
 - Incorporate lessons learned
 - Focus on schedule optimization
- Design finalization
 - Eliminate first of a kind issues
- Project process and procedures
 - Reflect experience
- Supply Chain
 - Experience
 - Localization lessons



Experience will benefit next projects

Lessons Learned: Requirements for a Successful New-Build Program

- **Strong reference plant**
- Leverage “country of origin” licensing
- Utilize modern construction methods
- Defined approach to sustainable localization
- Eliminate first-of-a-kind deployment issues
- Take advantage of Nth-of-a-kind experience



Conclusions

- Active, robust lessons learned programs are a key to improvement
- Supply chain is critical to a projects success
- New entrants should focus on Proven Designs with strong reference plant to benefit from experience



Thank you



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