



Vogtle

units 3&4

Nuclear Development



Construction Update Vogtle 3 and 4

AABE 35th Annual Conference

April 19, 2012

Long Beach, CA

Cheri Collins

General Manager, Nuclear Liaison

Southern Nuclear

Vogtle Co-Owners



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Vogtle Partners

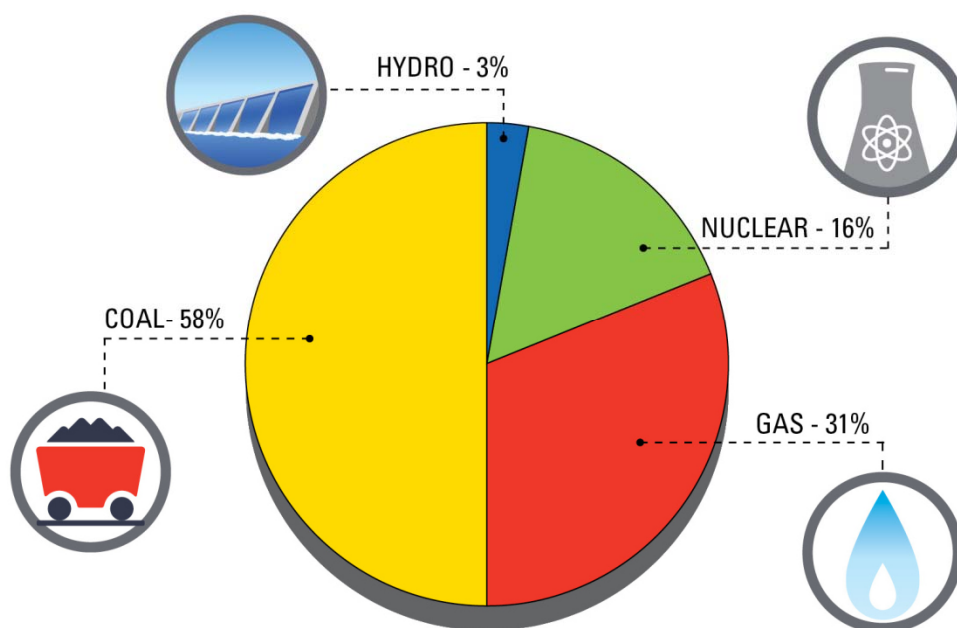


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Southern Company Generation Mix

‘All Arrows in the Quiver’ Approach



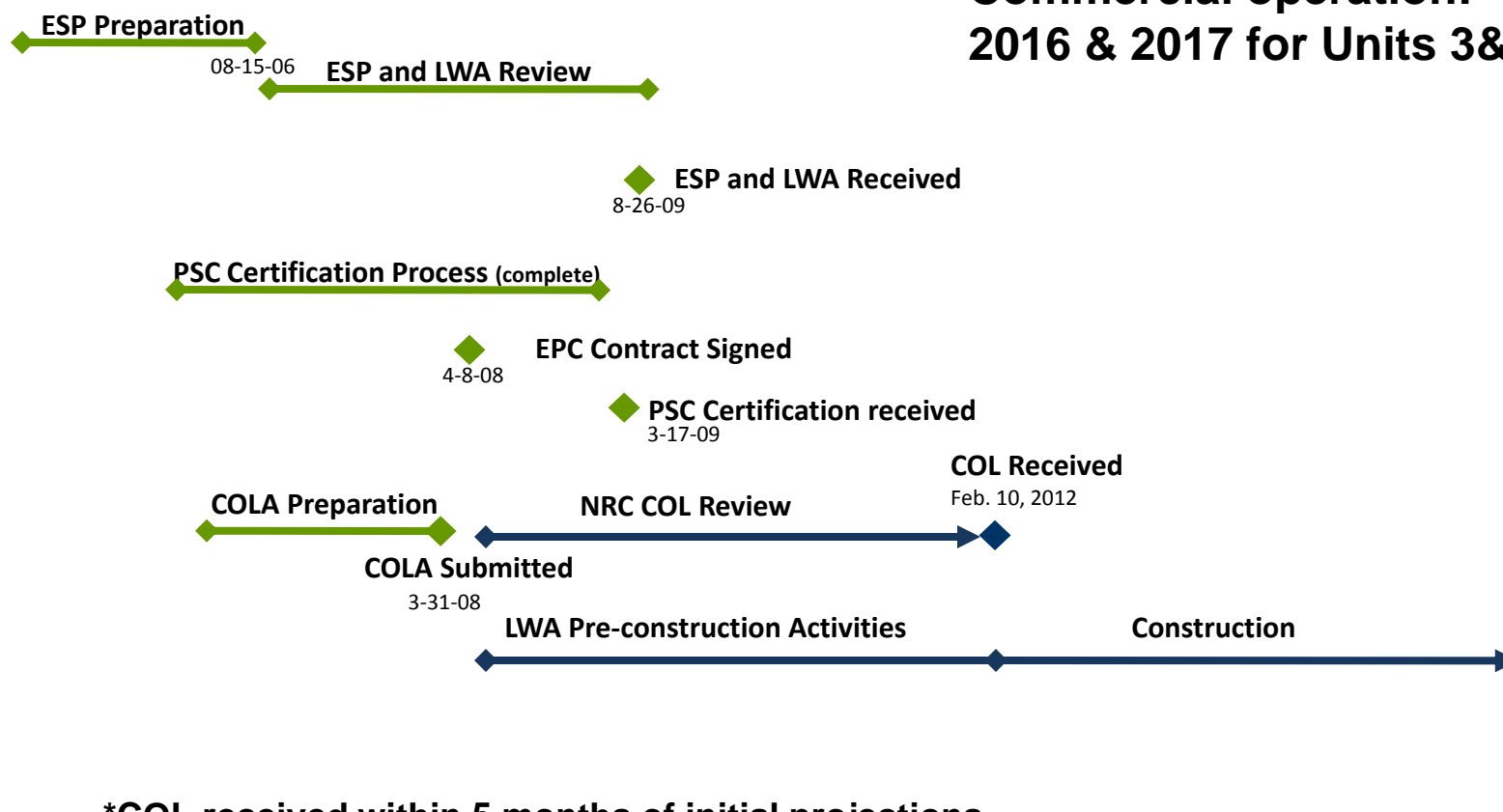
Year-end 2011

Vogle

Schedule



**Commercial operation:
2016 & 2017 for Units 3&4**



***COL received within 5 months of initial projections**

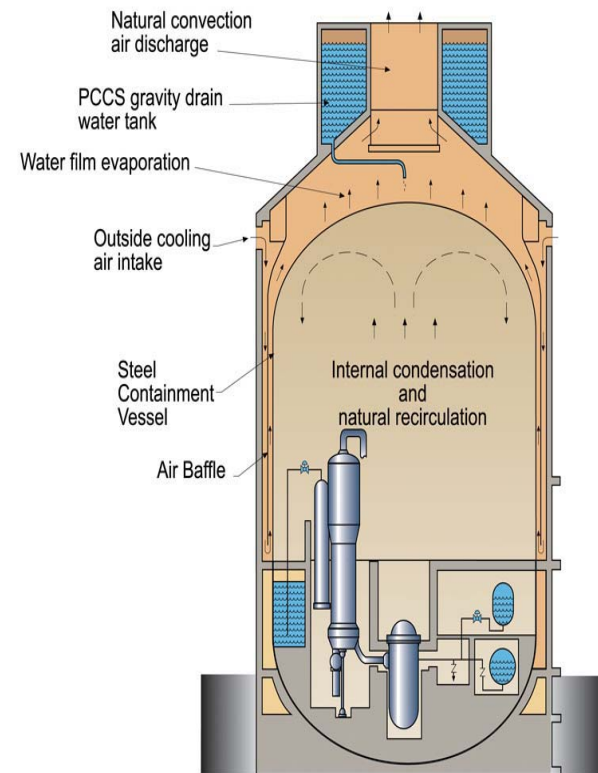
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**COD U3
2016** **COD U4
2017**

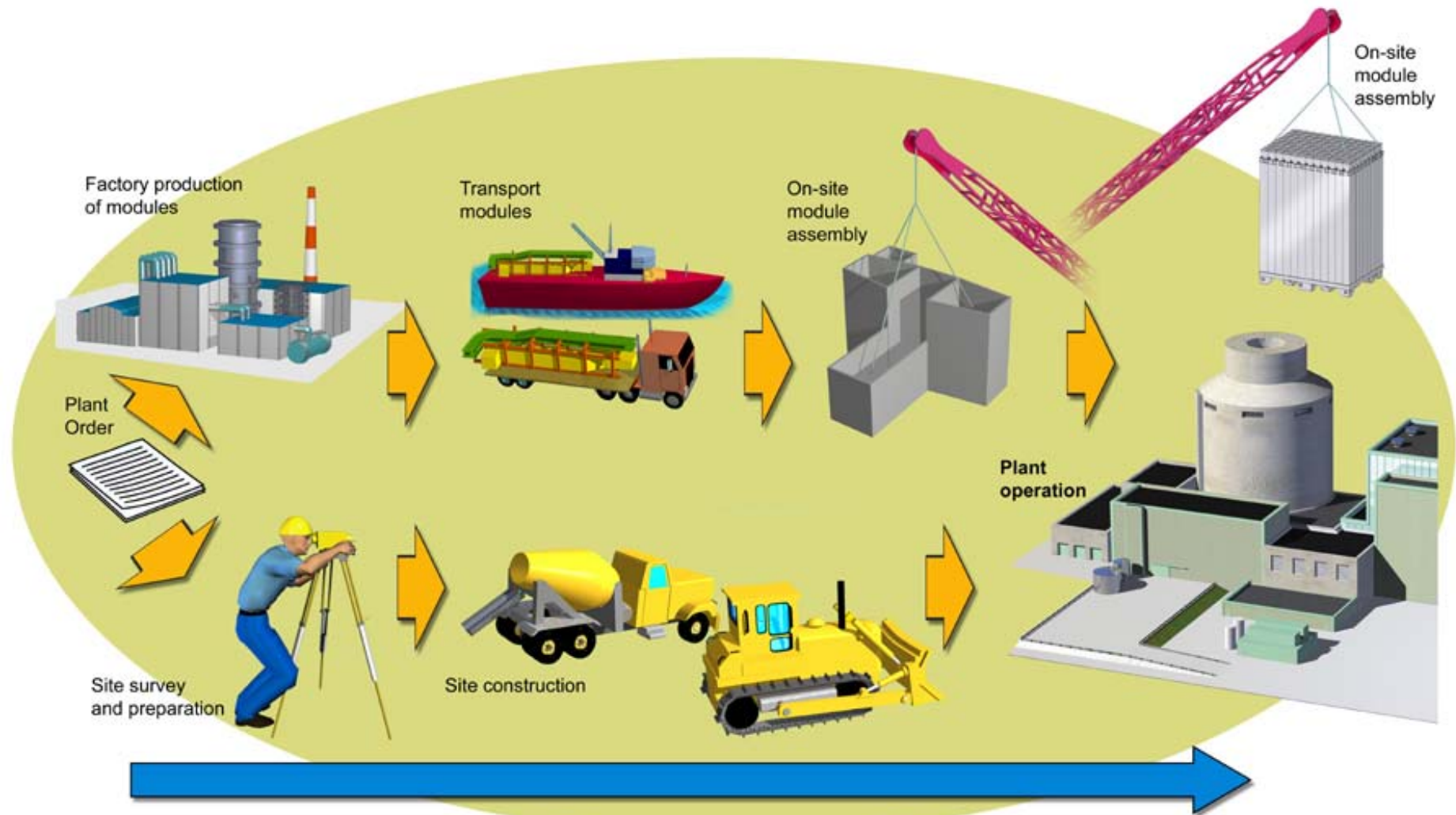
AP1000 Advanced Design is based on Passive Safety Features

- AC power not required for safe shutdown
- Operator actions not required for 72 hours to maintain core and containment cooling
- Designed for core to stay in reactor and remain covered with water



AP1000 Passive Containment Cooling System

Modular Construction Process



August 2011 Aerial of Site



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HLD



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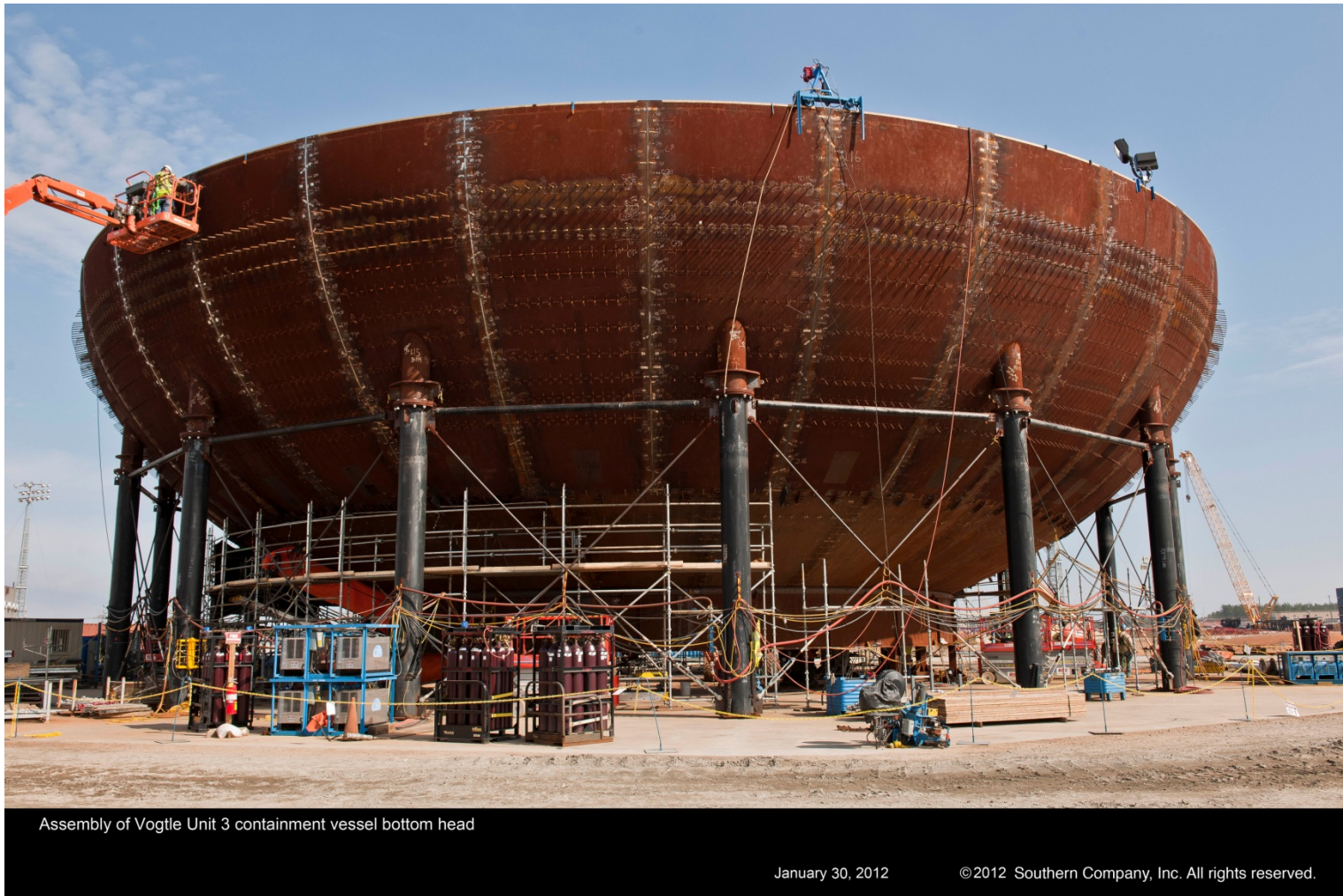
Containment Vessel – Plant Vogtle



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Containment Vessel Bottom Head – Plant Vogtle



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Nuclear Island U3



Vogtle Unit 3 "nuclear island," with water proofing work in progress; location where containment vessel and associated nuclear components will be placed.

August 11, 2011

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U3 Base Mat Rebar



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U3 Turbine Building



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Unit 4 Nuclear Island



Vogtle Unit 4 nuclear island, heavy lift derrick assembly (blue), and Vogtle 1 and 2 operating units.

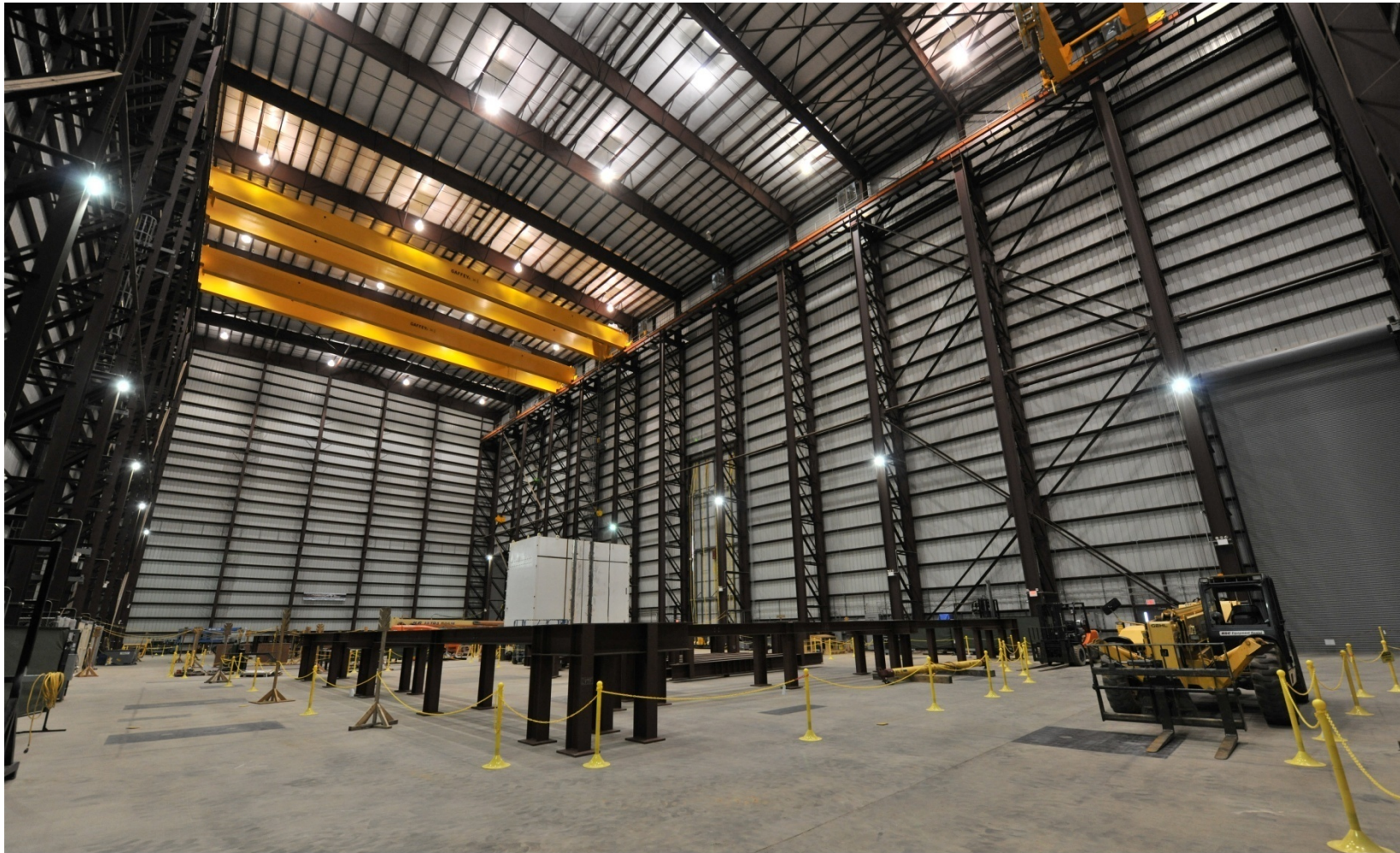
January 19, 2012

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Module Assembly Interior



Inside Module Assembly Building where large components will be assembled prior to being placed inside nuclear facility.

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Vogtle AP1000 Simulator



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Energy Sec. Dr. Steven Chu – Plant Vogtle



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AP1000 Construction in China



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Haiyang CV Bottom Head Lift



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Sanmen Structural Module CA01 Lift



March 27, 2010

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Haiyang, August 27, 2011



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