

Plant Vogtle 3 & 4 Construction Update

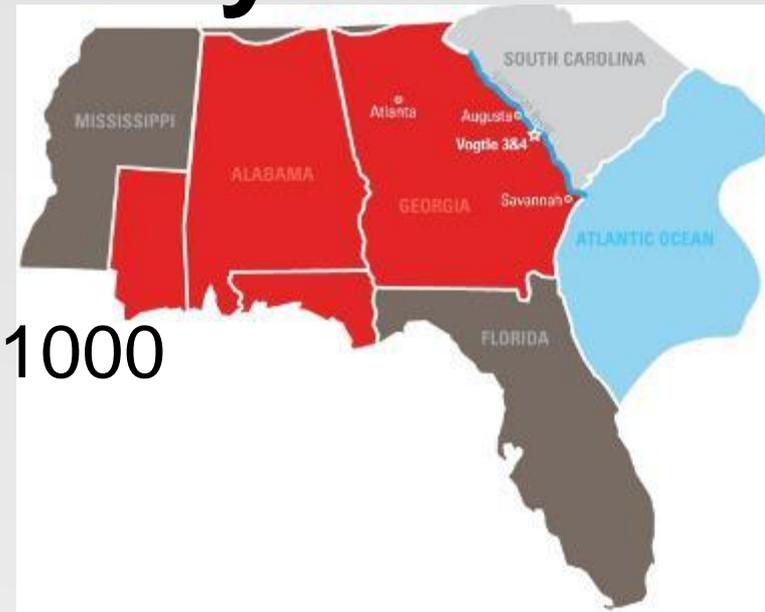
Keith Dorsey

**Southern Nuclear Corporation (SNC) - Nuclear Development
Birmingham, AL USA**

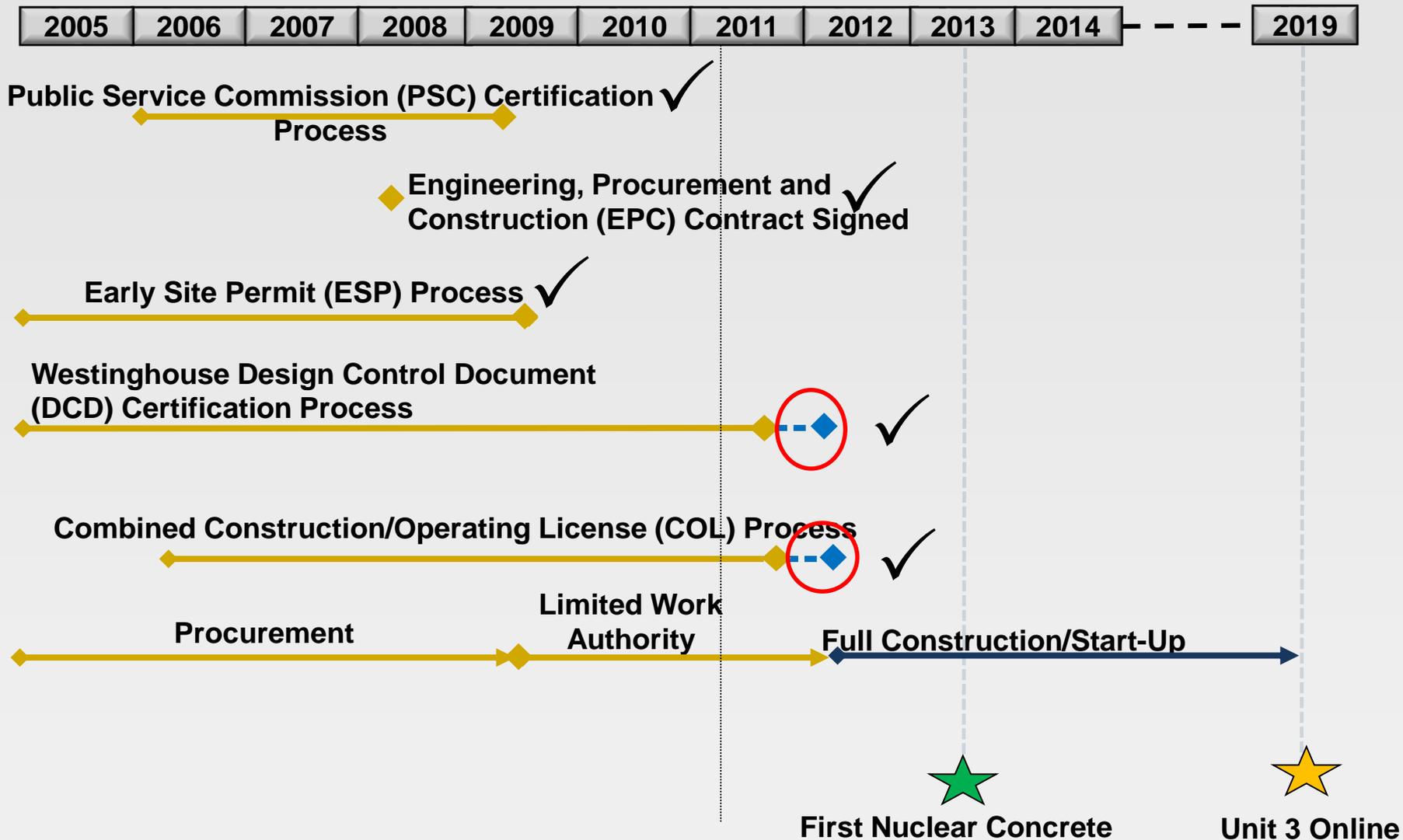


AP1000 General Layout

- **Two units:** 1,117 MW each
- **Technology:** Westinghouse AP1000
- **Location:** Waynesboro, Ga.
- **When completed, Vogtle 1-4:**
 - Will be the largest nuclear energy facility in U.S.
 - Will power 1+ million homes and businesses



AP1000 General Layout



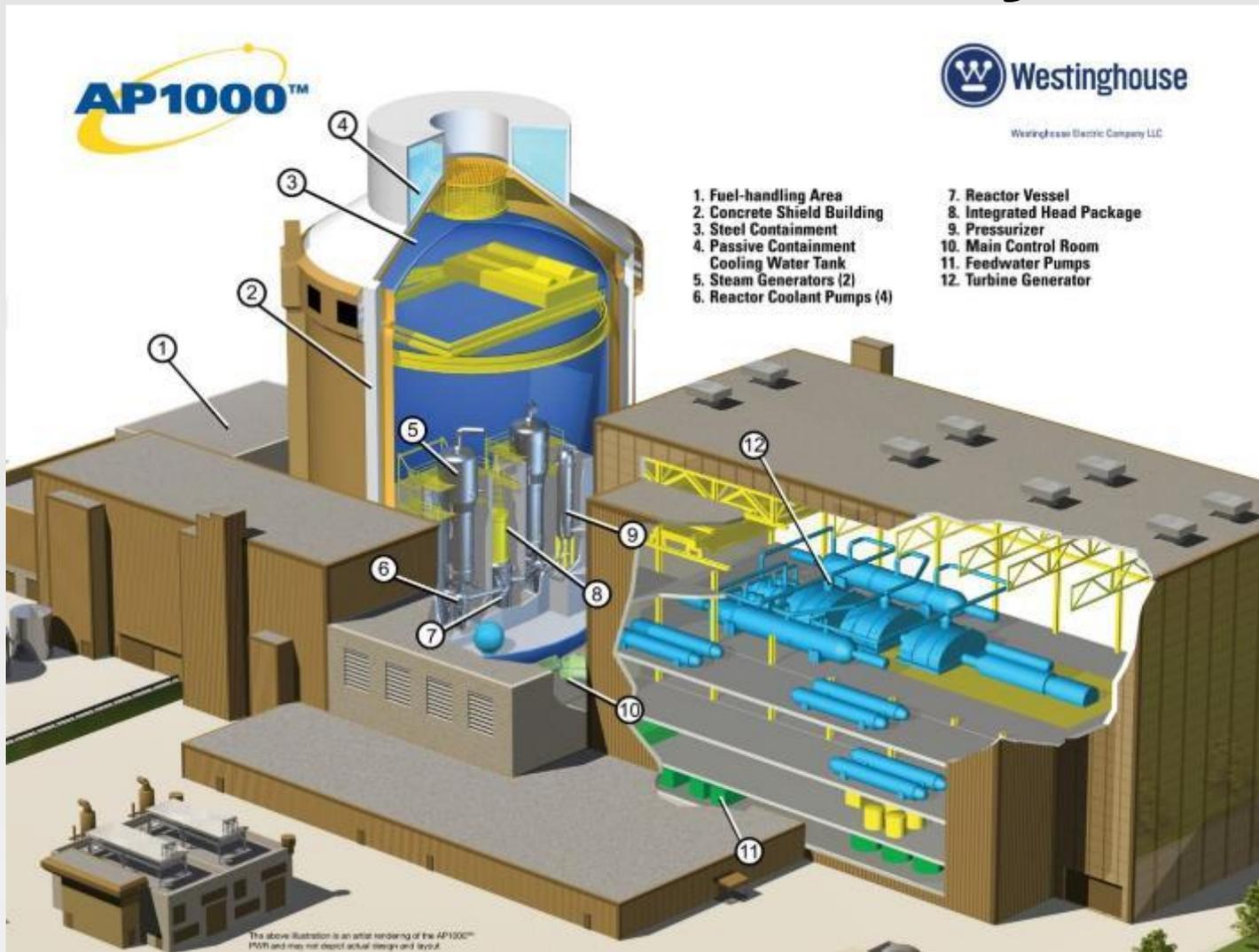
Plant Vogtle Rendering



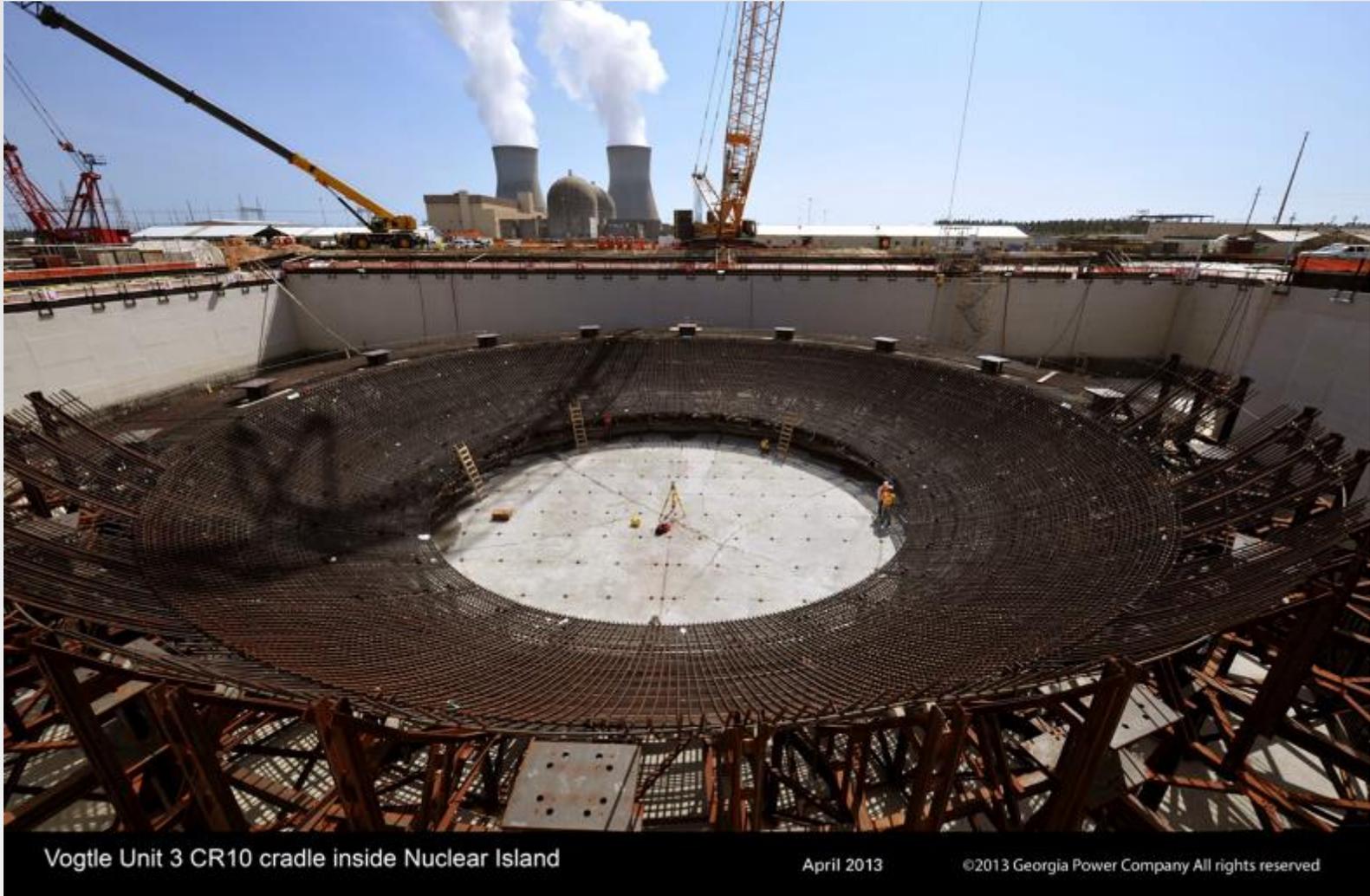
Plant Vogtle 3 & 4



AP1000 General Layout



CTMT Vessel Cradle



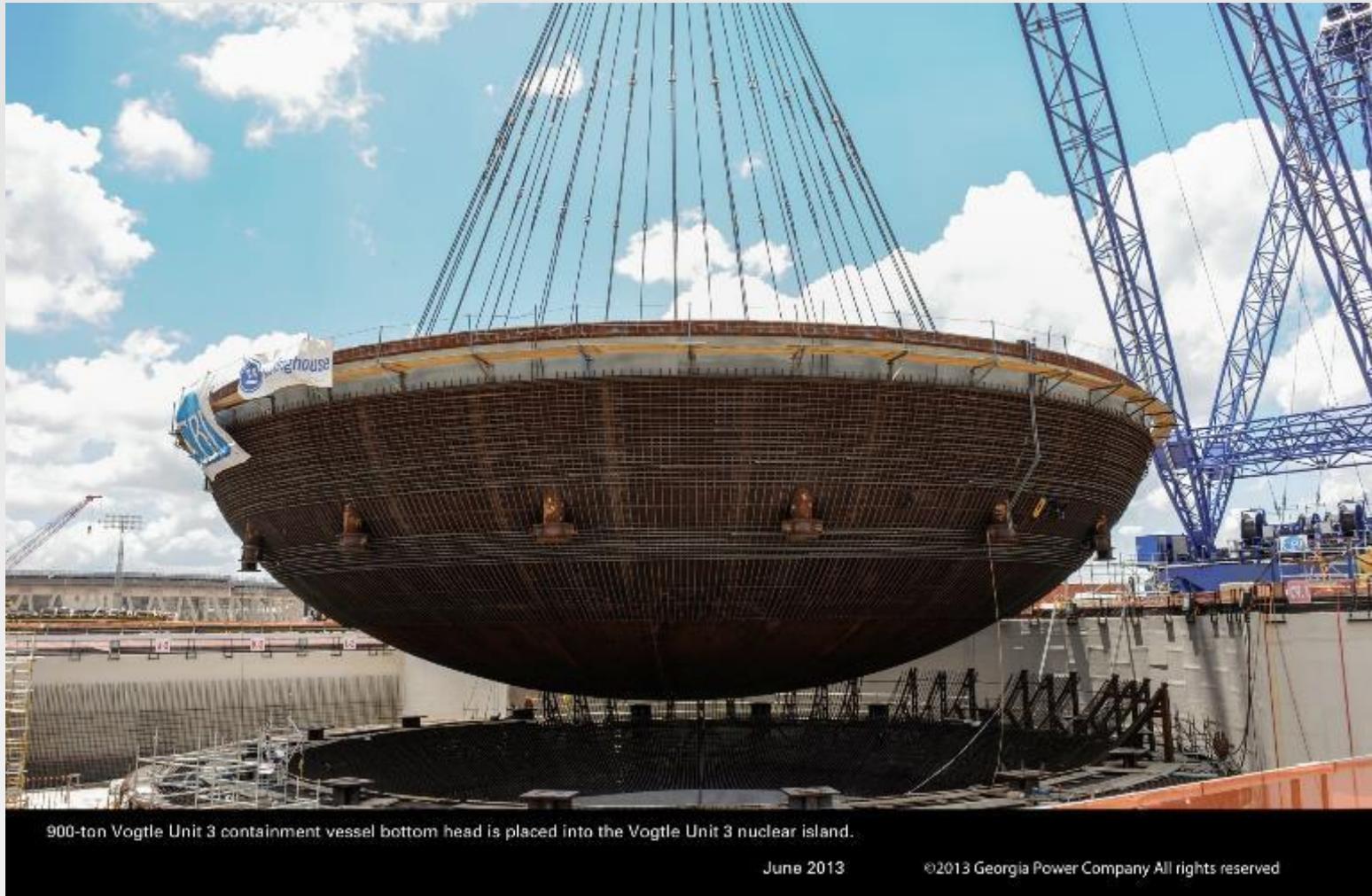
Vogtle Unit 3 CR10 cradle inside Nuclear Island

April 2013

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CTMT Vessel Bottom Head



CTMT Rings



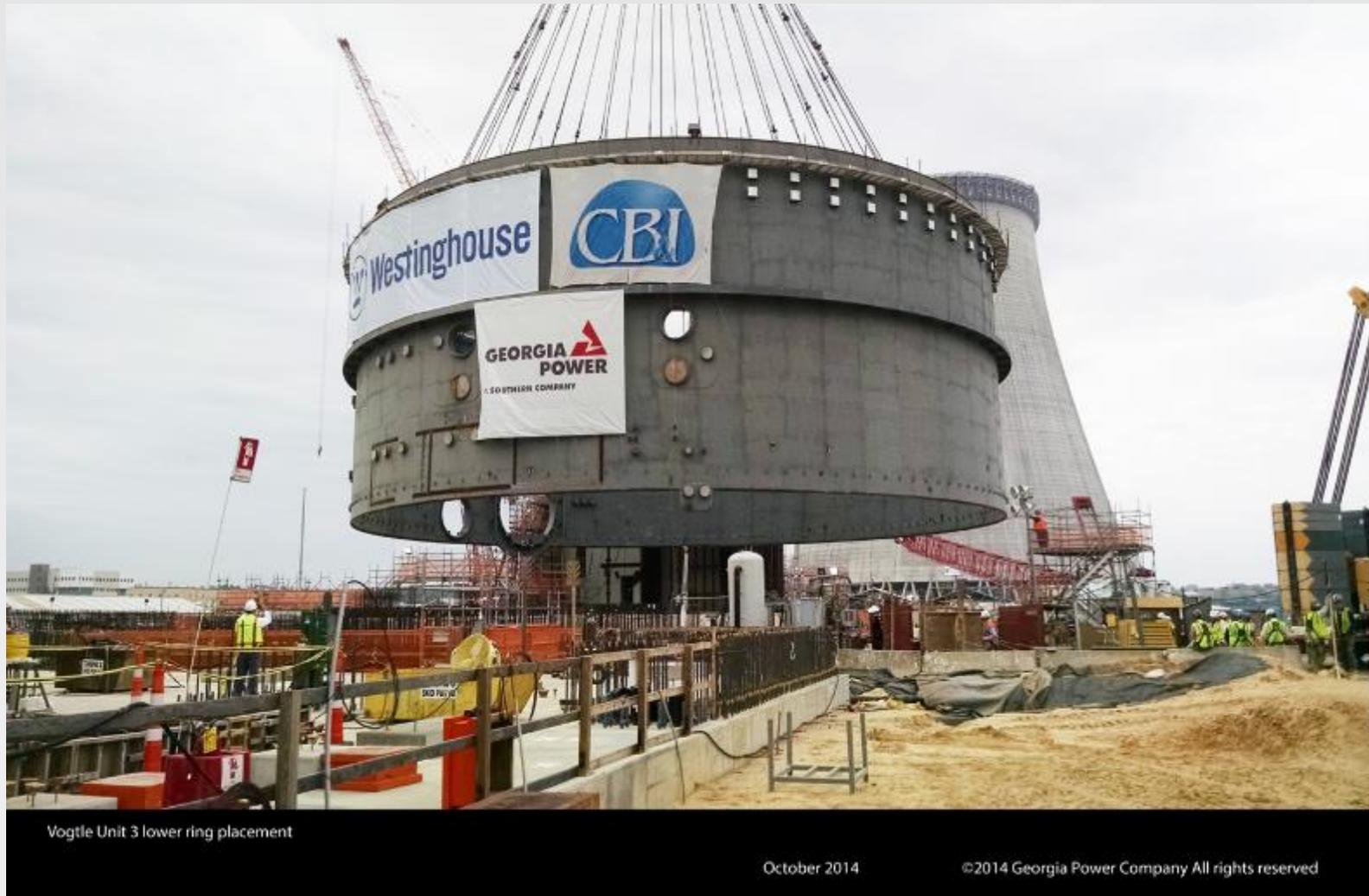
Containment ring construction and fabrication area.

July 2015

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CTMT Vessel Lower Ring



Module Assembly Building



Module Assembly Building



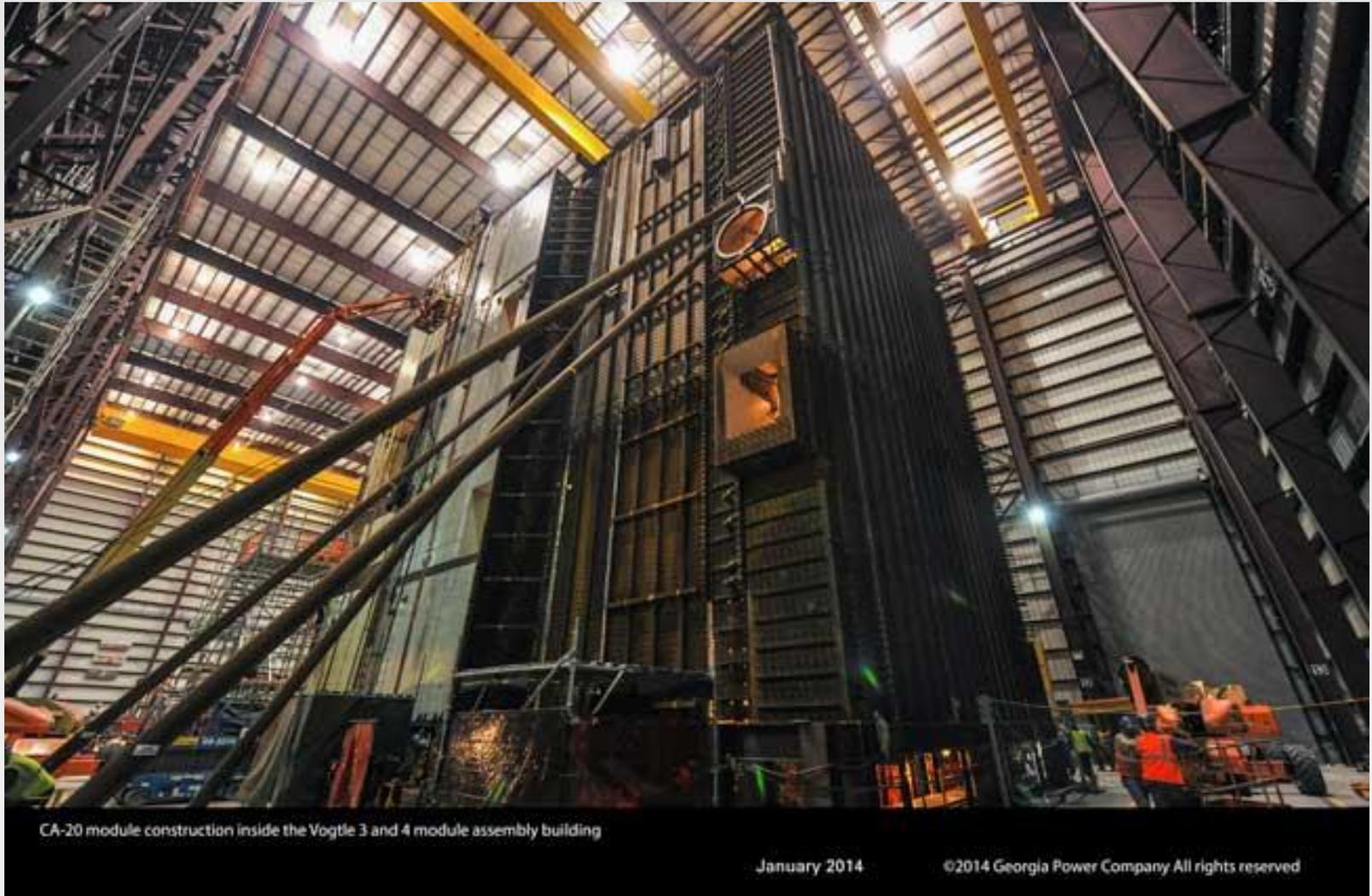
Vogtle Unit 4 CA04 inside the Module Assembly Building.

May 2015

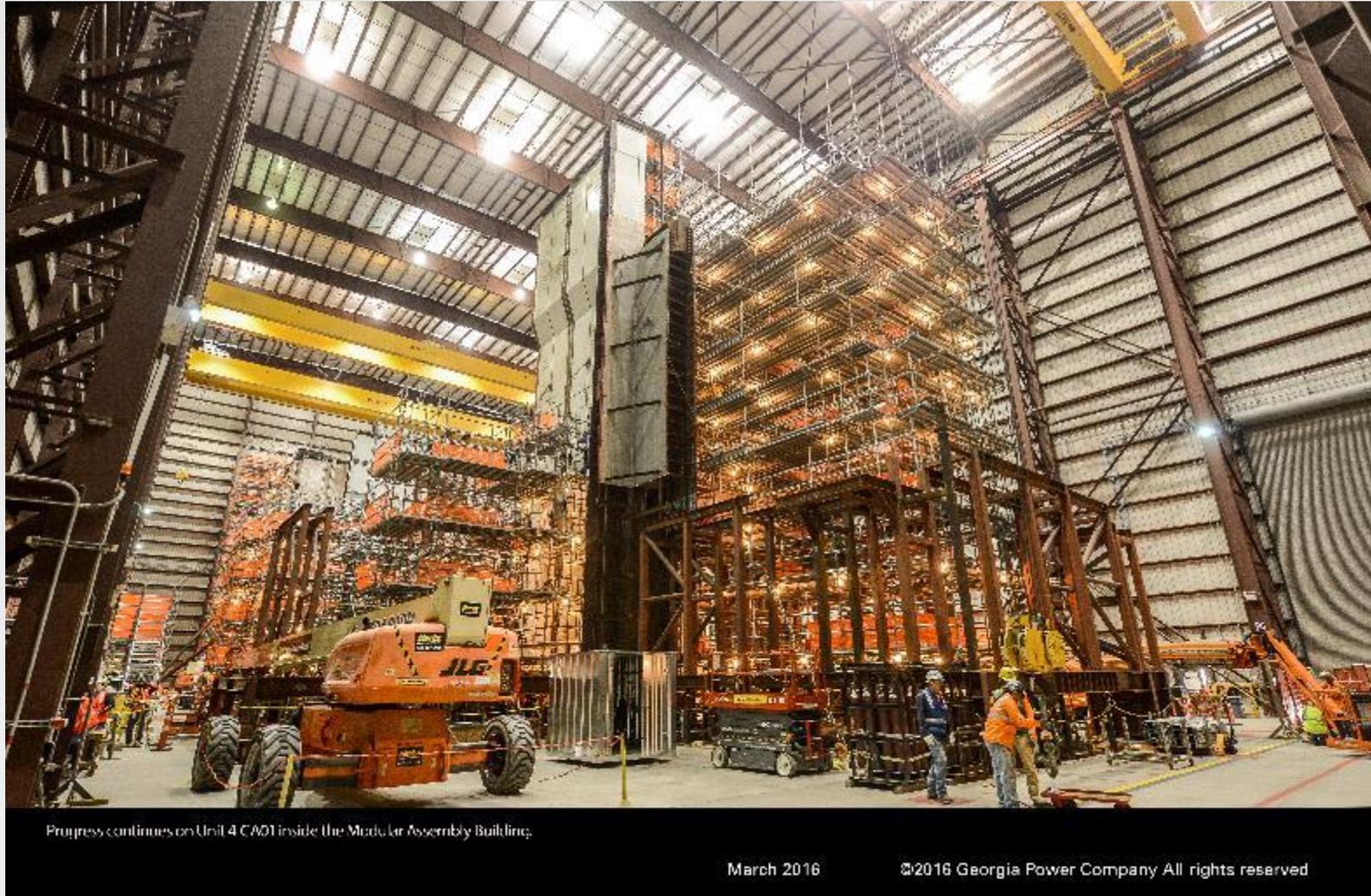
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Module Assembly Building



Module Assembly Building



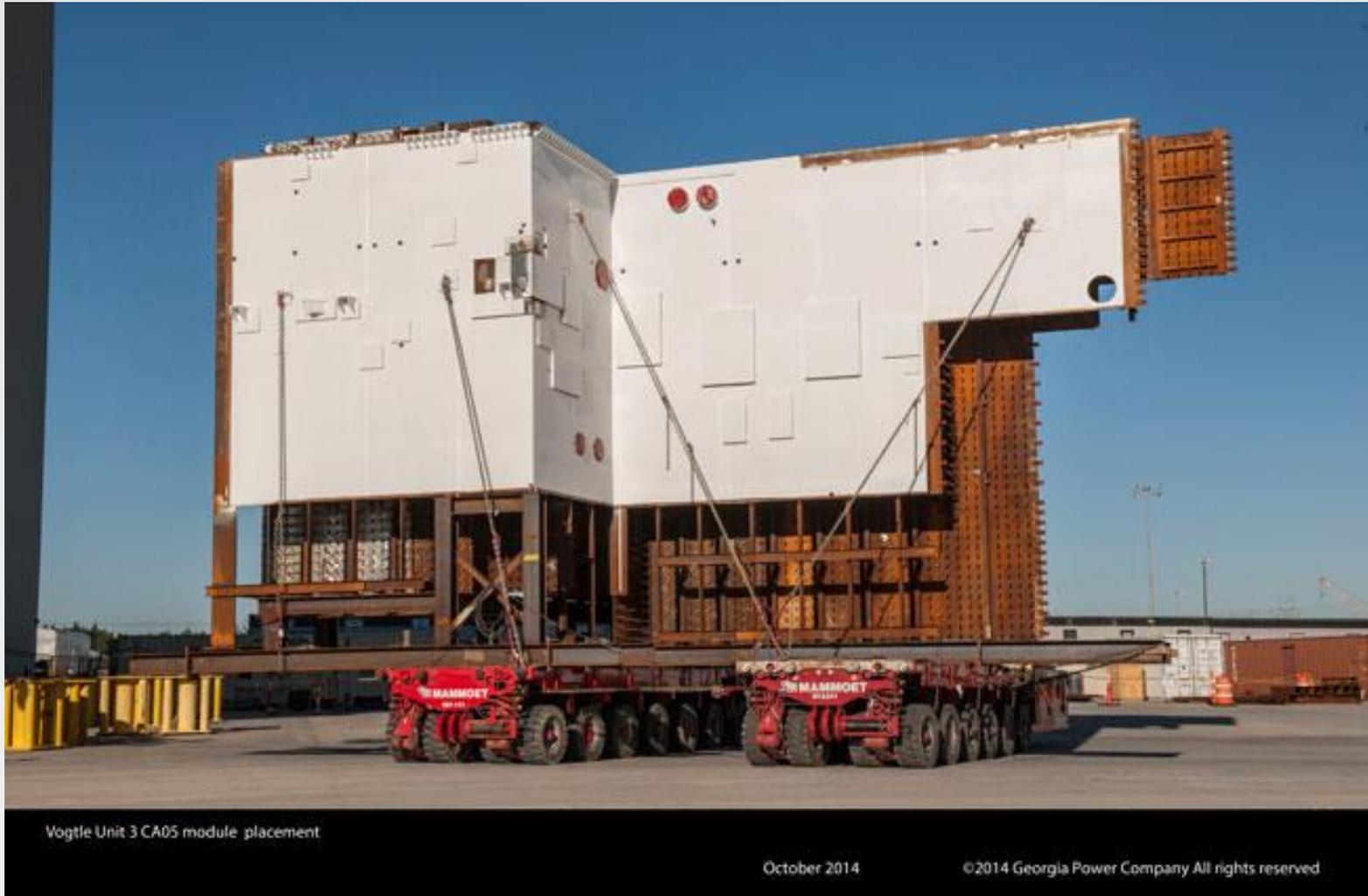
Progress continues on Unit 4 CA01 inside the Module Assembly Building.

March 2016

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Module Crawler



Vogtle Unit 3 CA05 module placement

October 2014

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Mechanical Modules



Vogtle Unit 3 'R' type mechanical modules awaiting installation.

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Mechanical Modules



Assembly of Vogtle Unit 3 mechanical module KB15.

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Mechanical Modules



Assembly of Vogtle Unit 3 mechanical module KB16.

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Reactor Vessel

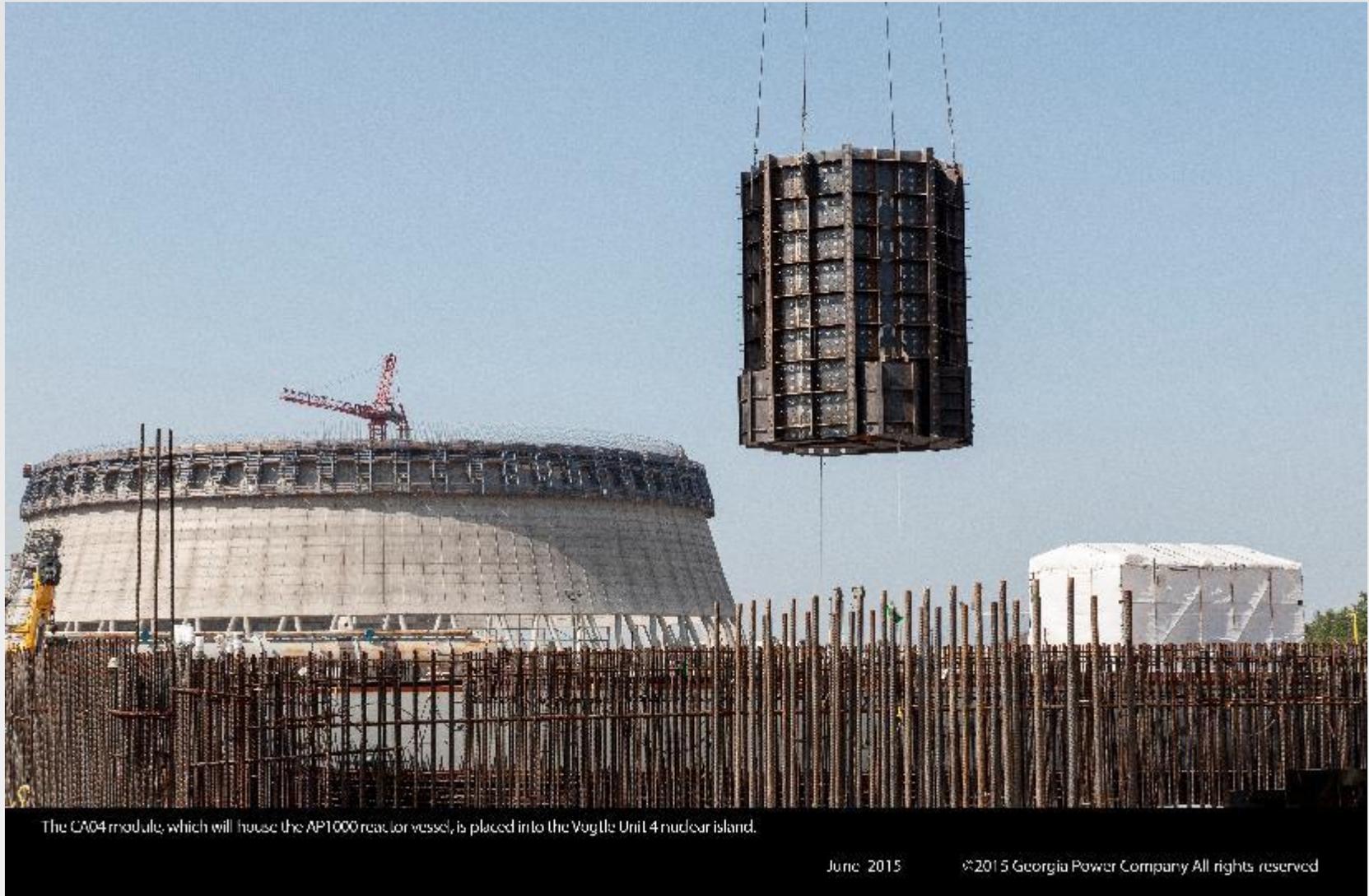


Unit 3 Reactor Vessel

December 2012 ©2012 Georgia Power Company All rights reserved



Reactor Vessel Module



The CA04 module, which will house the AP1000 reactor vessel, is placed into the Vogtle Unit 4 nuclear island.

June 2015

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Overhead View



Shot from the top of Unit 4 containment vessel.

January 2016

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Steam Generator



Unit 3 Steam Generator B

June 2013

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Steam Generator Module



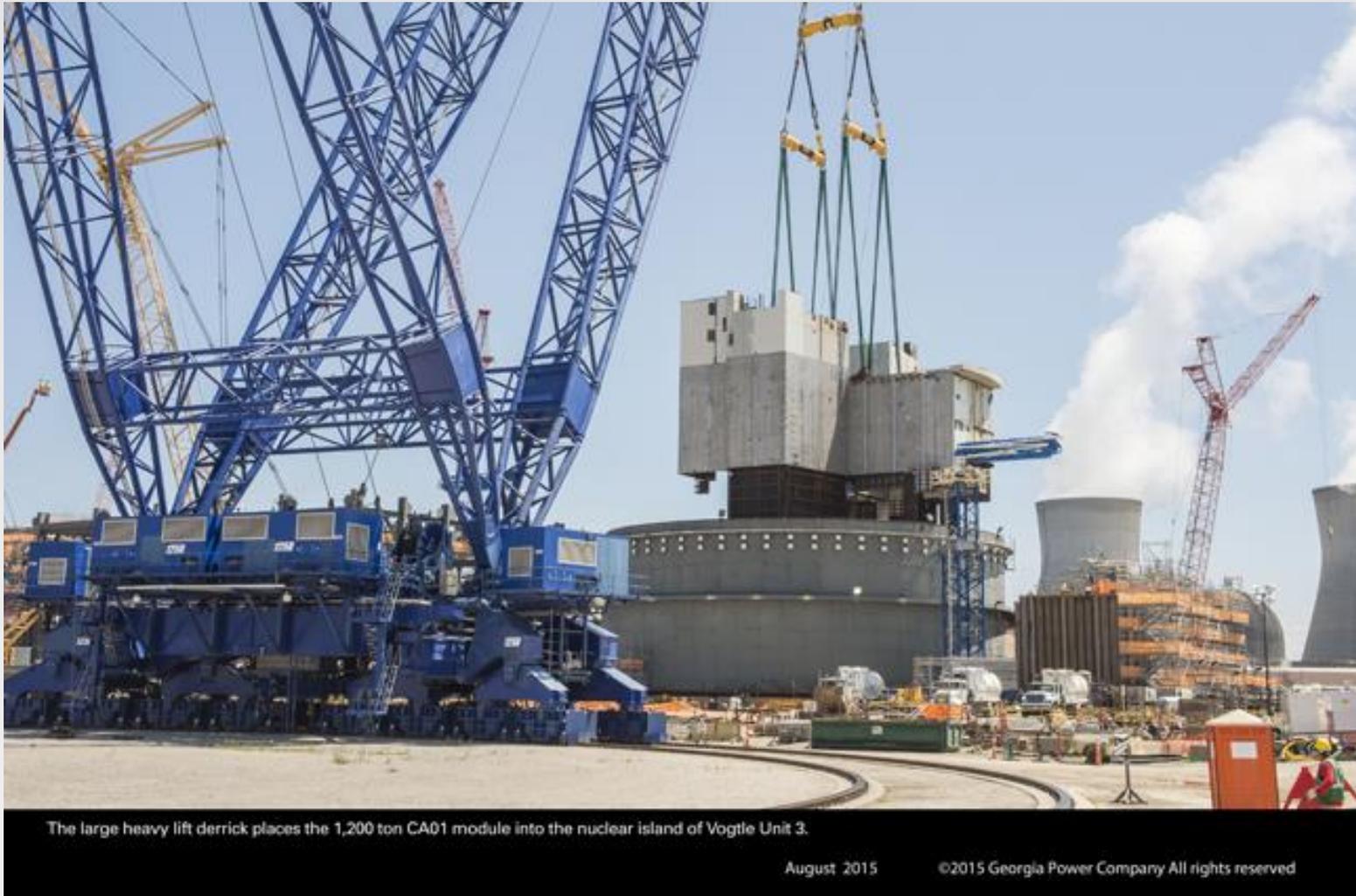
Lifting over 1,200 tons, the heavy lift derrick places the CA01 module inside the Vogtle Unit 3 containment vessel.

August 2015

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Steam Generator Module



The large heavy lift derrick places the 1,200 ton CA01 module into the nuclear island of Vogtle Unit 3.

August 2015

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Overhead View



Aerial view looking down on the Vogtle Unit 3 nuclear island, containment vessel and the steam generator module CA01

October 2015

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CTMT Refueling Storage Tank



Vogtle Unit 3 In-Containment Refueling Water Storage Tank module CA03.

October 2015

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CTMT Vessel Top Head



Workers weld the containment vessel top head for Unit 3.

March 2016

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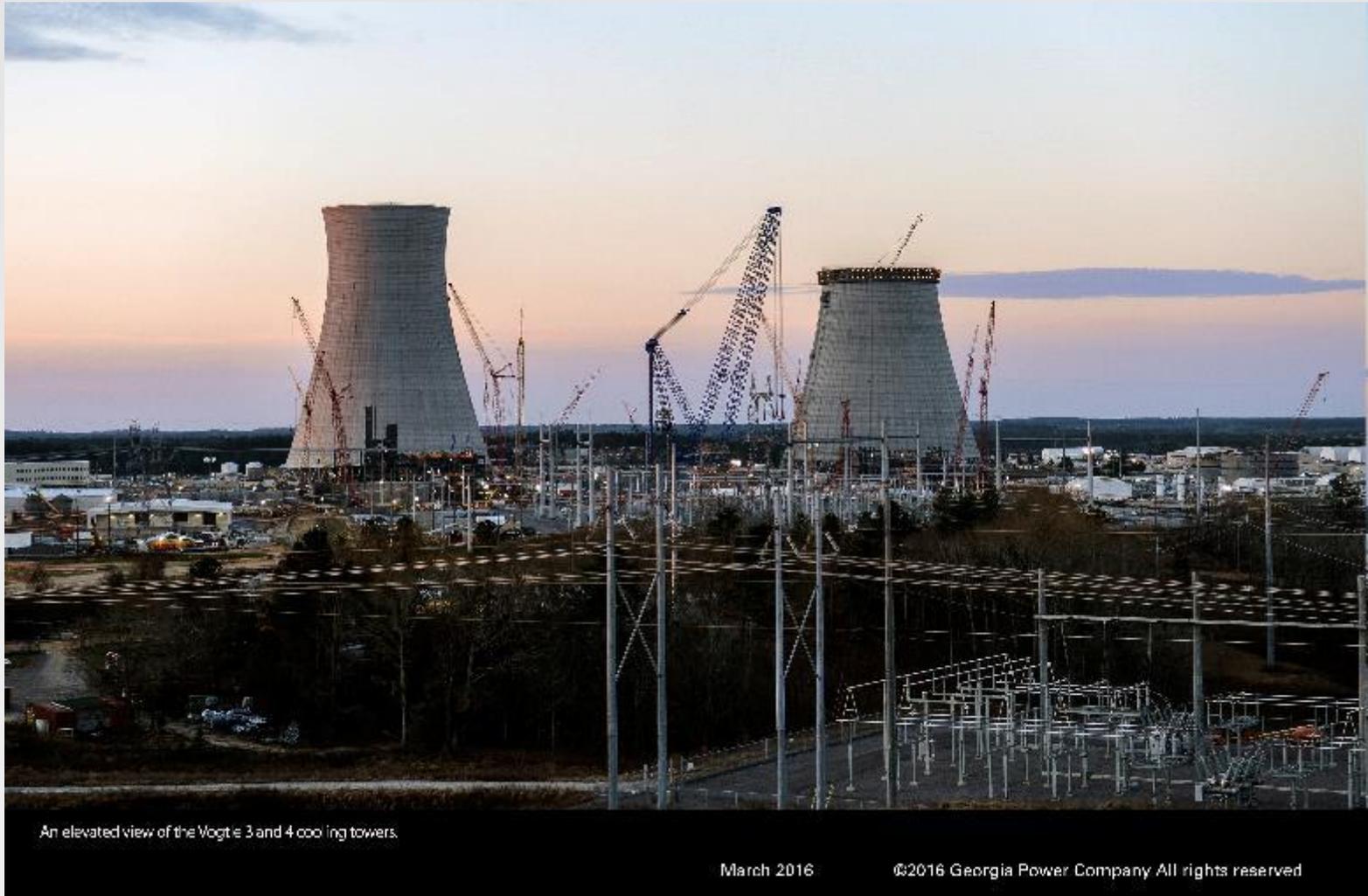
Turbine Building



Turbine Building



Cooling Towers



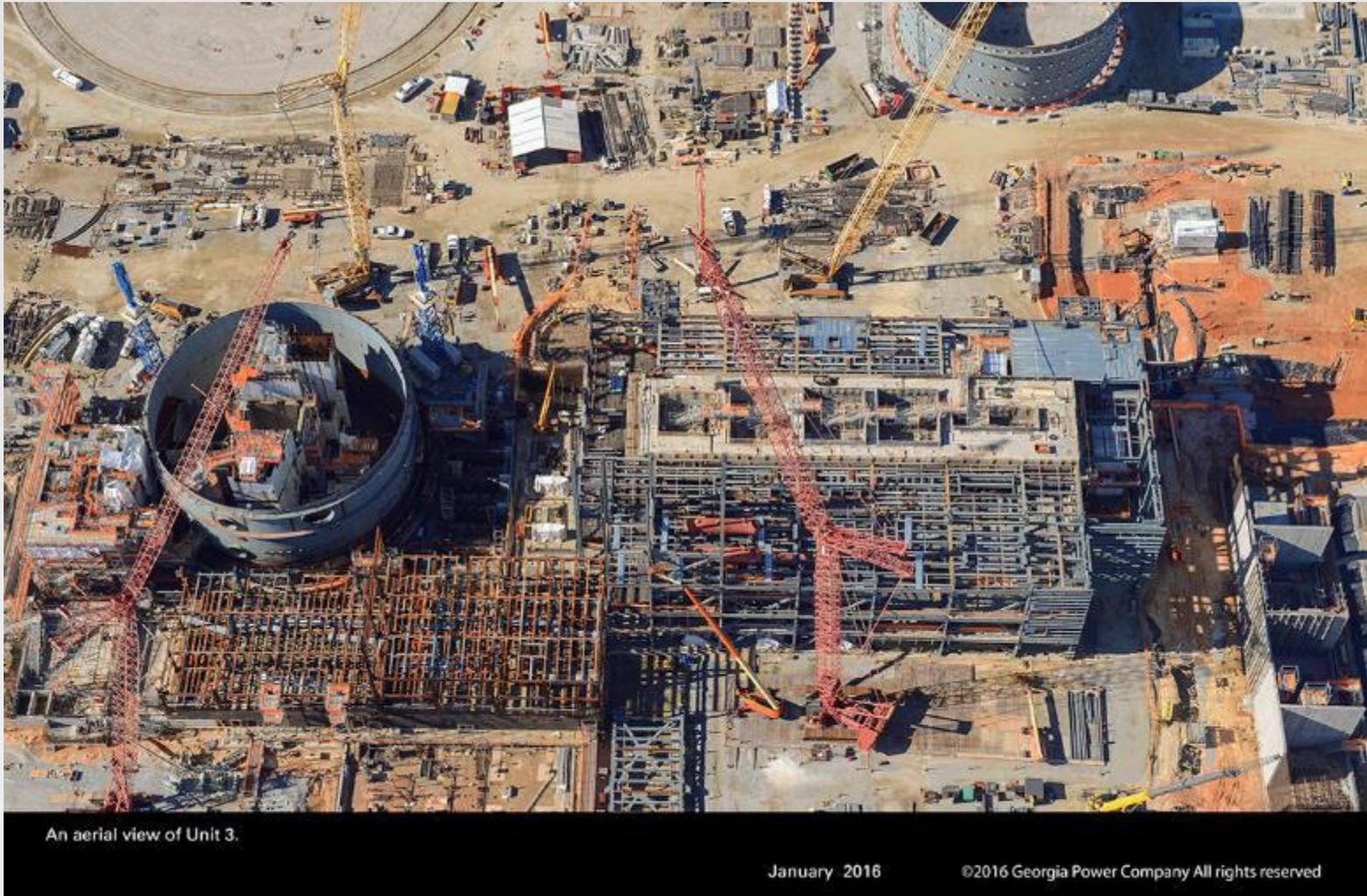
An elevated view of the Vogtle 3 and 4 cooling towers.

March 2016

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Questions



Plant Vogtle 3 & 4

- **For more construction photos, videos and information please visit:**
 - **<http://southerncompany.com/what-doing/energy-innovation/nuclear-energy/photos.cshtml>:**

