

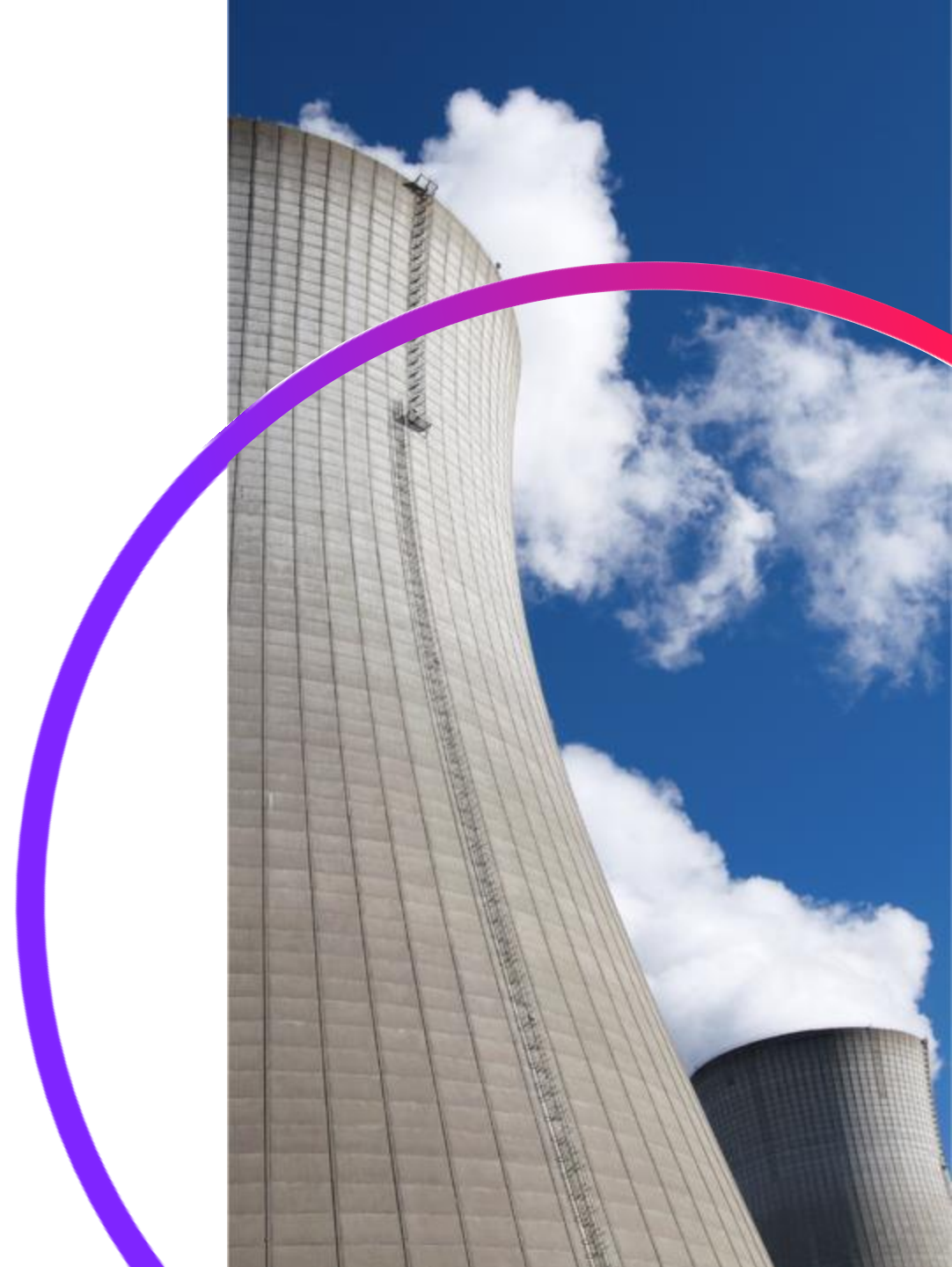


March 23, 2022

WF3 Core Protection Calculator Project

*NRC Digital I&C Workshop
ISG-06 Lessons Learned*

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Project Background

Waterford 3 CPCS Replacement

- Replacement of existing Interdata 7/16 digital computer system with Westinghouse Common Q™ platform
 - Engineering Change documented in CMISDP (EC-83843) – Approved April 2021
 - No impact to existing safety-related algorithms
- License Amendment Request (LAR) submitted; Amendment approval/Safety Evaluation received August 2021
- Factory Acceptance Test performed at Westinghouse testing facility July-August 2021; observed by NRC
- Site Acceptance Testing performed at Entergy WF3 testing location; observed by NRC
- Implementation planned for WF3 RF24, starting April 2022

Lessons Learned

Entergy Lessons Learned

- Vendor Oversight Plan (VOP) and VOP Summary
- Involvement of Region Inspectors earlier in the process
- Clarifying terminology (i.e., audit and life cycle)
- Cyber Receipt, Warehouse and Custody Control

Westinghouse Lessons Learned

- Early engagement of the NRC Vendor QA Inspection branch
- Logistical challenges of hosting NRC Regional Inspectors, NRR Vendor QA Inspectors, and the Licensee while conducting Factory Acceptance Testing

Questions/Comments?