



A Revolution in Performance

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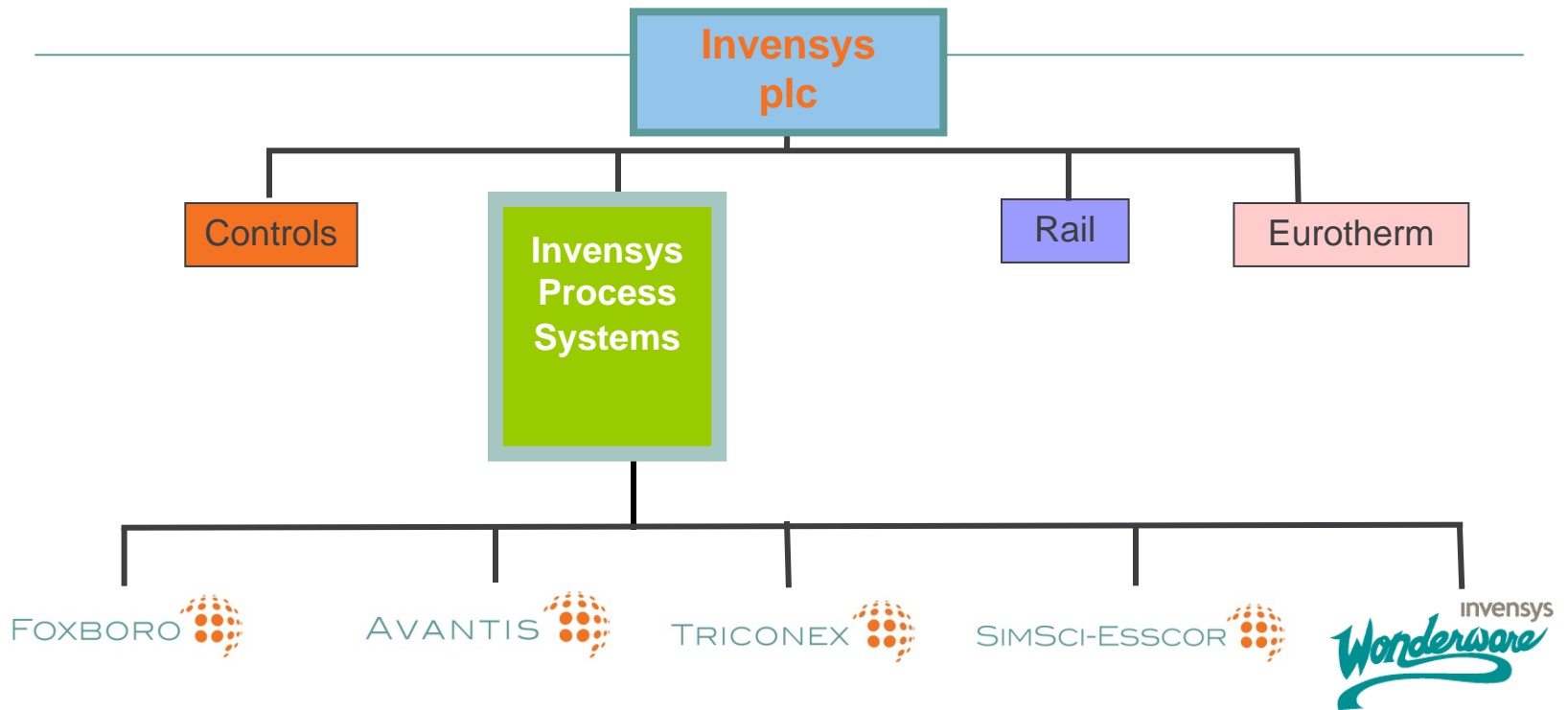
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Industry Panel

New Reactor Component Fabrication and Oversight

Invensys Process Systems Brands



A Revolution in Performance

Foxboro

- Supplying control equipment to the nuclear industry since the early commercial reactor at Shippingport, PA.
 - Nuclear experience spans over 40 years
 - Global scope
- Spec 200 products introduced in 1972 and were nuclear qualified in 1977.
 - Installed in over 130 nuclear plants; still manufactured and supported
- I/A Series products introduced in 1987
 - IPS solution for Balance Of Plant and non-safety nuclear control applications.
 - Continuous current life cycle philosophy with migration path



Triconex



- A Commercial Off The Shelf (COTS) triple modular redundant Programmable Logic Controller (PLC) built from the ground up as a safety system
- Generic SER received from the NRC in December 2001 - Version 9.5.3
- Qualification testing on Tricon Version 10.2.1 completed in 2007
- SER update process initiated

Nuclear Program Specifics

- Although originally COTS products, the qualified design is maintained under our 10CFR50 Appendix B QA Program
- Commercial Grade Dedication process in accordance with 10CFR21 and EPRI NP-5652 as endorsed by NRC
- Primary equipment manufacturing is performed at an IPS facility
 - Direct access to design and testing requirements
 - Subject to annual internal audits or Commercial Grade Dedication Surveys
- Hardware and pre-developed software is provided for system design & integration as a Basic Component
- System design, integration and testing under our Nuclear QA Program

Commercial Grade Procurement & Dedication

- Defined and controlled Commercial Grade Dedication process
 - Product design control
 - Determination of safety function
 - Identified and linked critical characteristics
 - Use of recognized acceptance methods
- Establishment and maintenance of dedication records
 - Technical evaluations
 - Acceptance tests & inspections
 - Supplier controls
- Implementation of 10CFR21 evaluation and reporting requirements

Counterfeit or Fraudulent Material Prevention

- Addressed through IPS Corporate Supply Chain policy
- Controls in procurement and receipt inspection procedures
 - Graded approach based on material source
 - Inspection of physical condition, packaging, markings
 - May include sample testing or verification

Program Oversight & Assessment

- IPS internal audit process
- Multi-location NUPIC audits
- Individual nuclear customer audits
- NRC Inspection – May 2008