

CONTINUAL PROGRESSION

Green and Smart PLM for Marine and Plant Industry

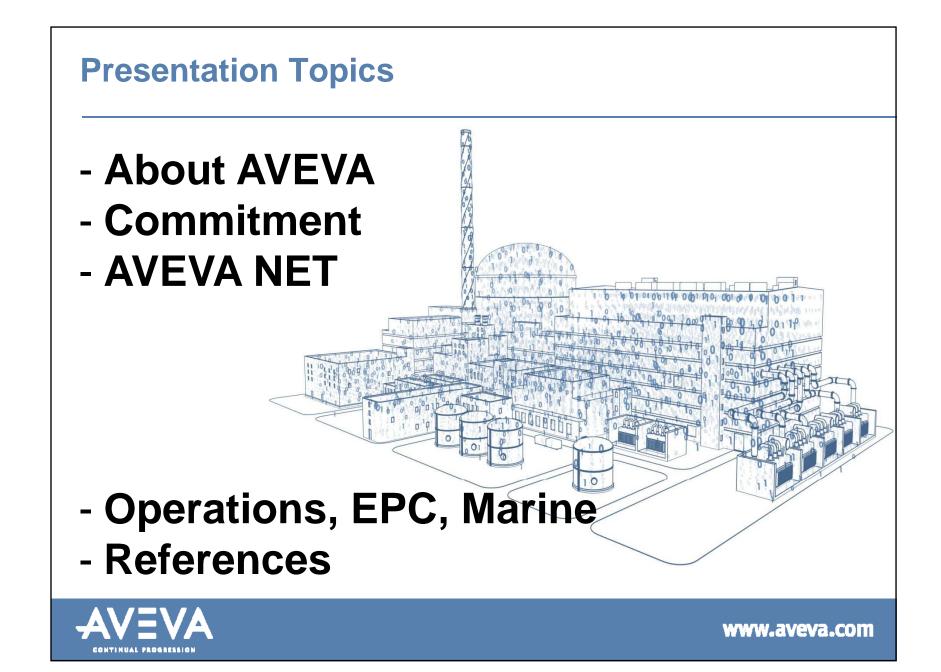
25th June 2010

최 연 식 연구소장 – AVEVA Solutions



www.aveva.com

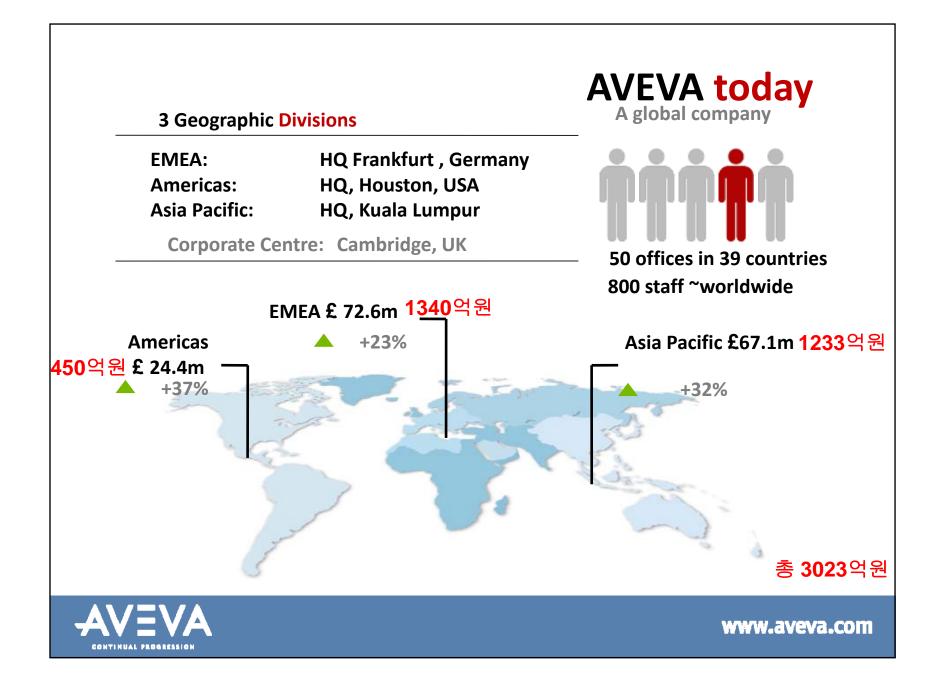
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AVEVA NET Commitment



- Committed to BP to deliver against Multiple North Sea and Norwegian Oil & Gas facilities
- Committed to delivering for multiple Engineering and Owner Operators
- Committed to Industry standards...
 ISO-15926, ISO-10303, AP-203, etc.
- Committed to the Plant / Marine industry and the continual



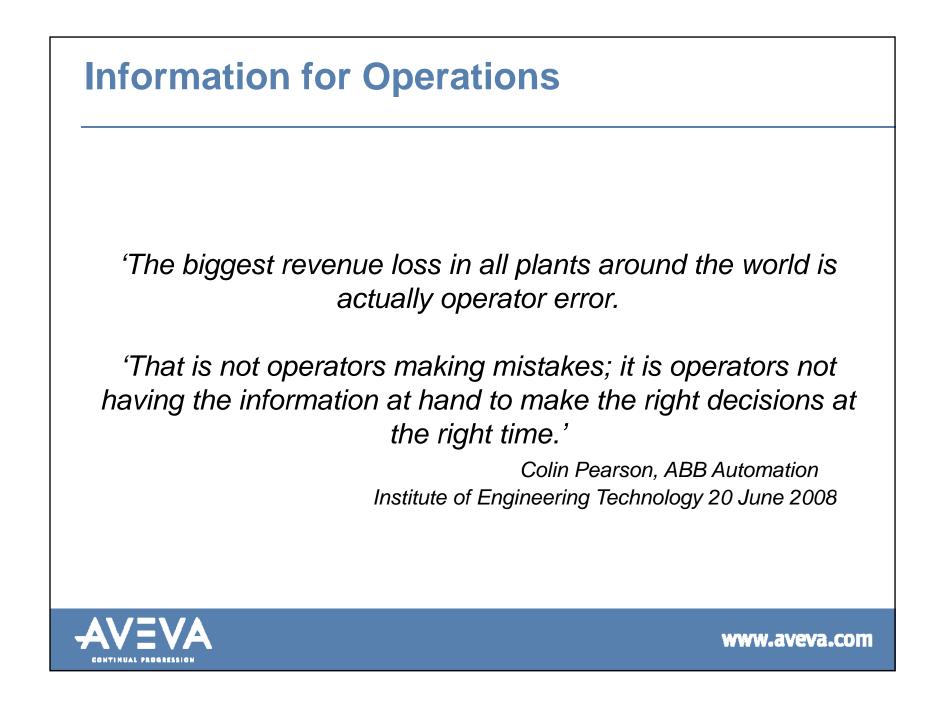
£14 Million Investment program in 2009

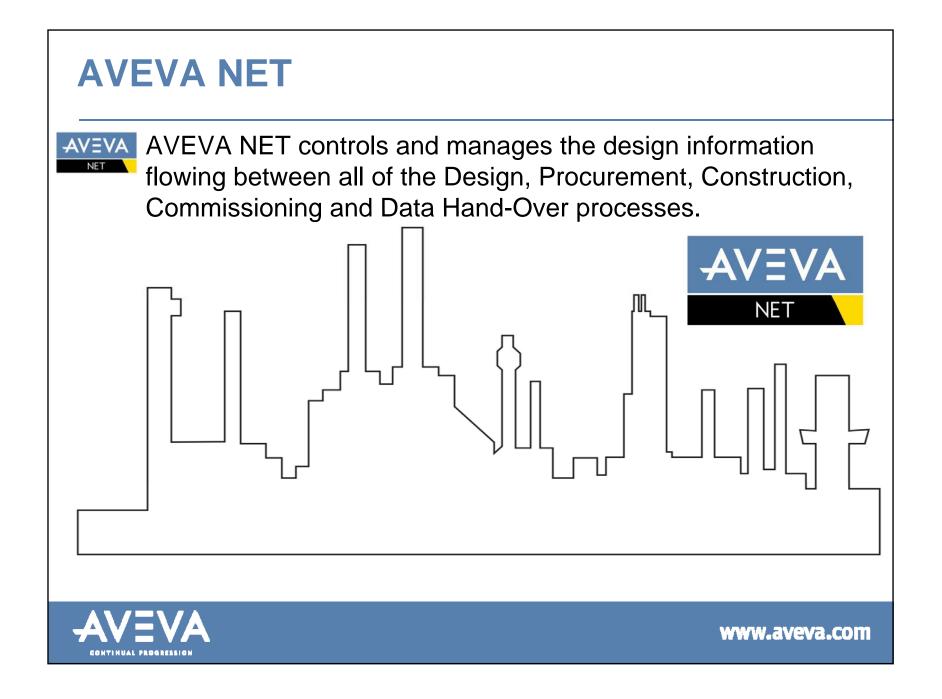
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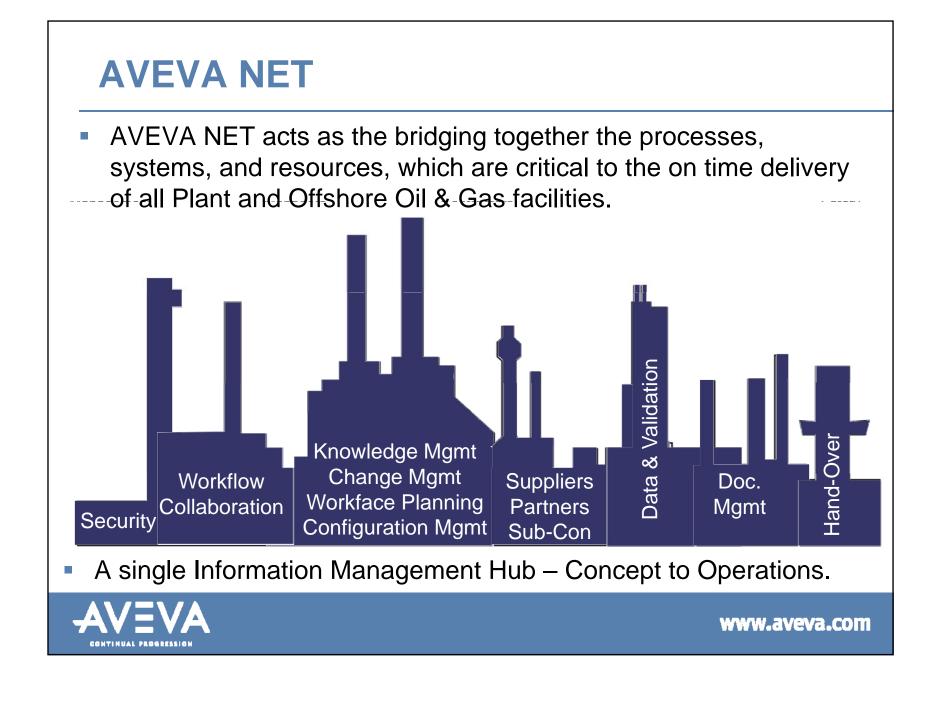


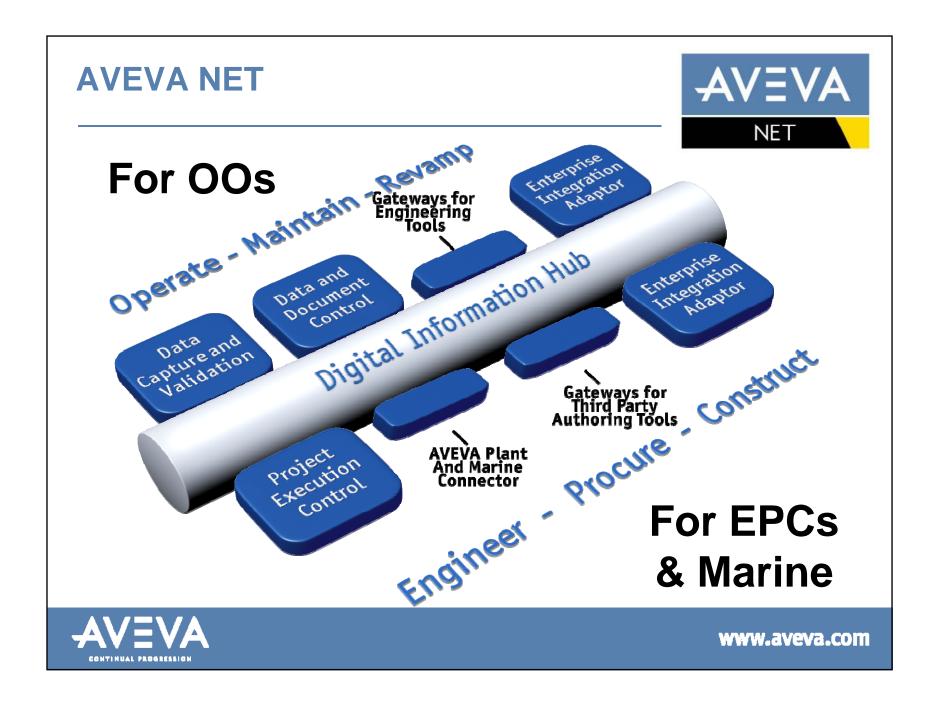


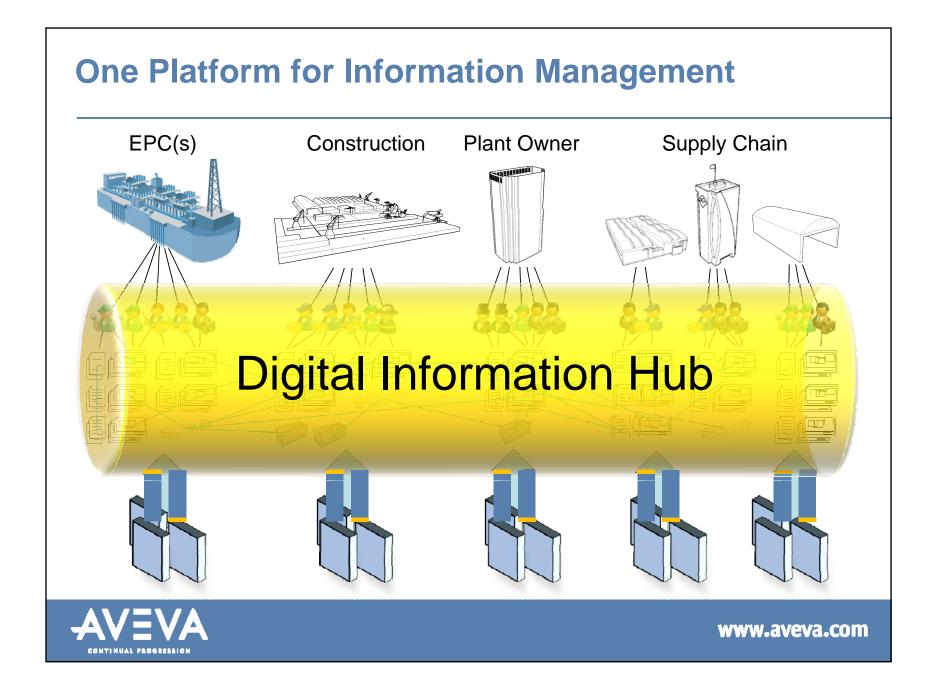


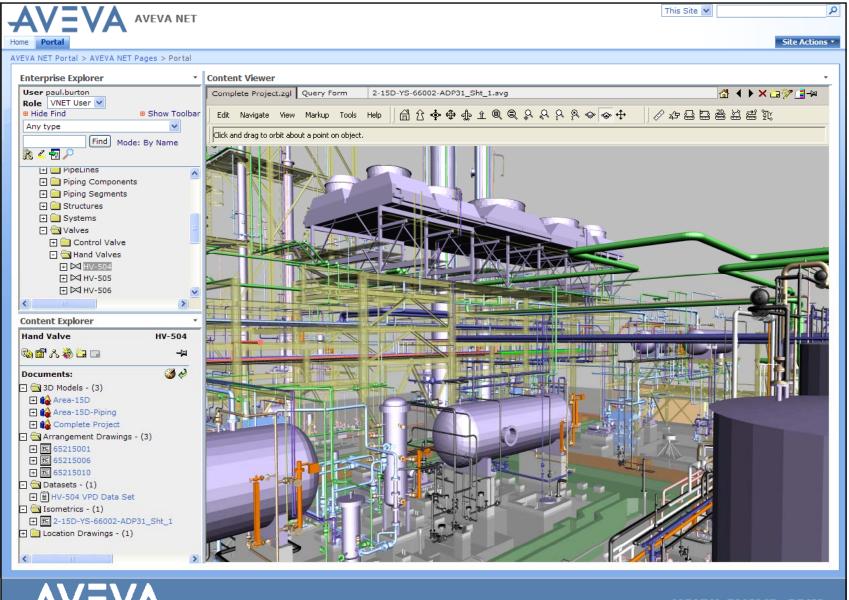








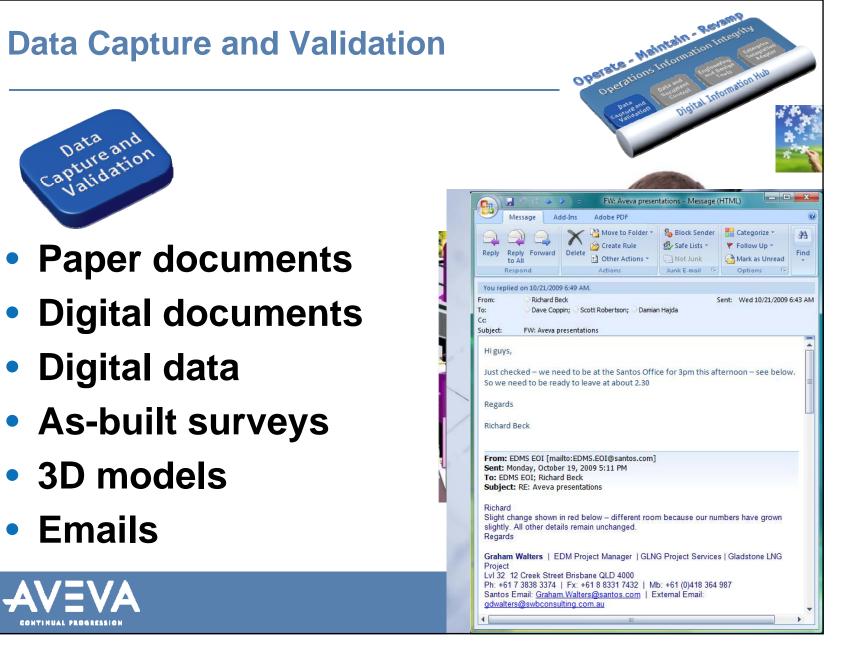






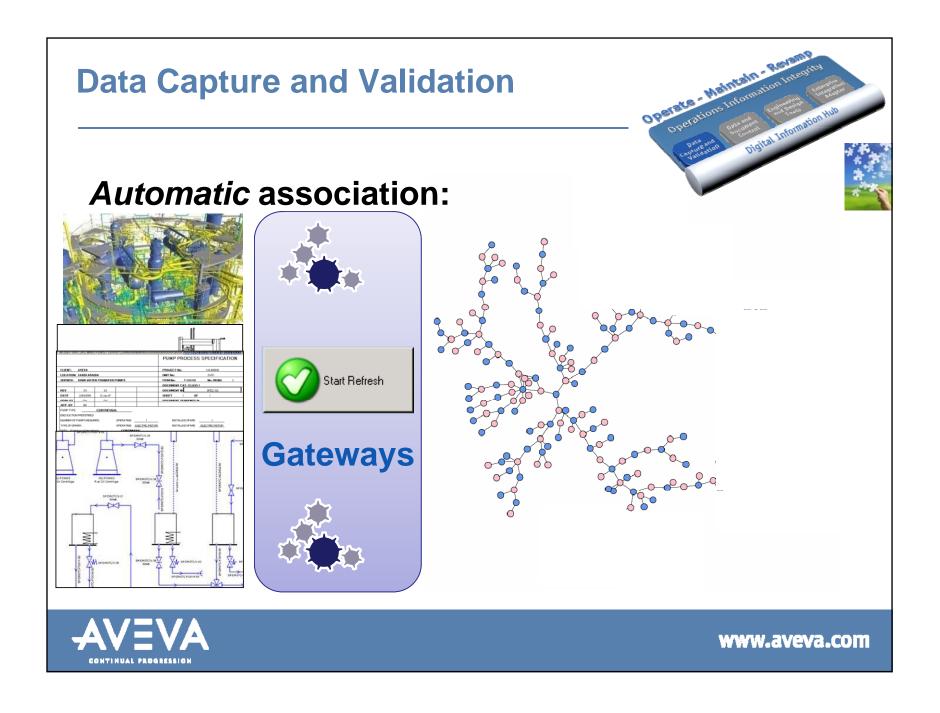


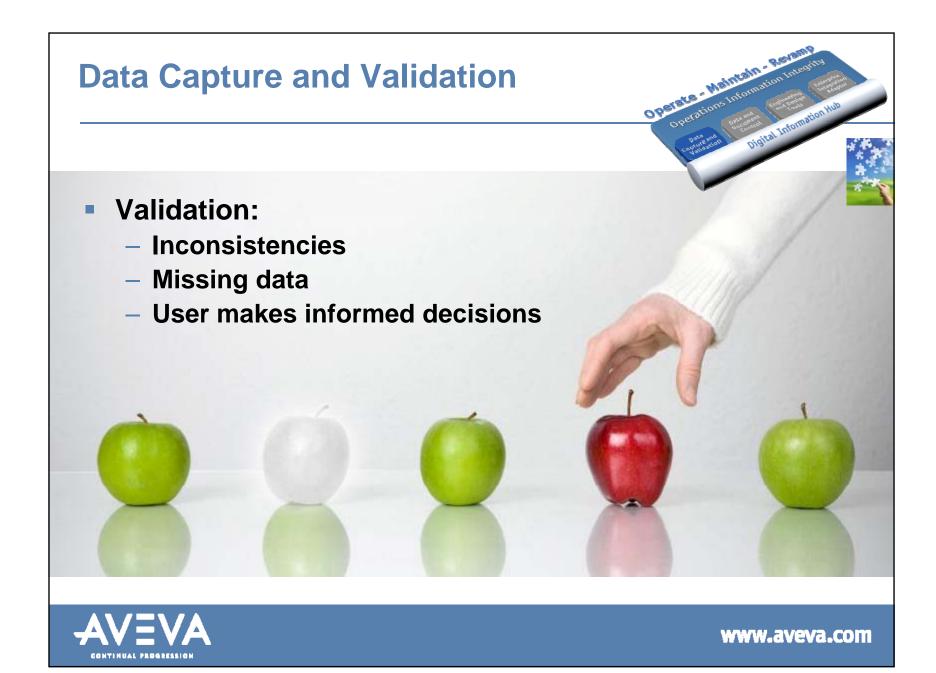




- Digital documents
- Digital data
- As-built surveys
- 3D models
- Emails







Data and Document Control



- Engineering data and document management
- Handover management
- Management of change
- Management of as-built data





Data and Document Control



Engineering data and document management

Data, documents, workflows and objects are interlinked
Reduce redundancy and disconnects
Document planning and document management all in one place







Gateways & Connectors: Engineering Design Tools



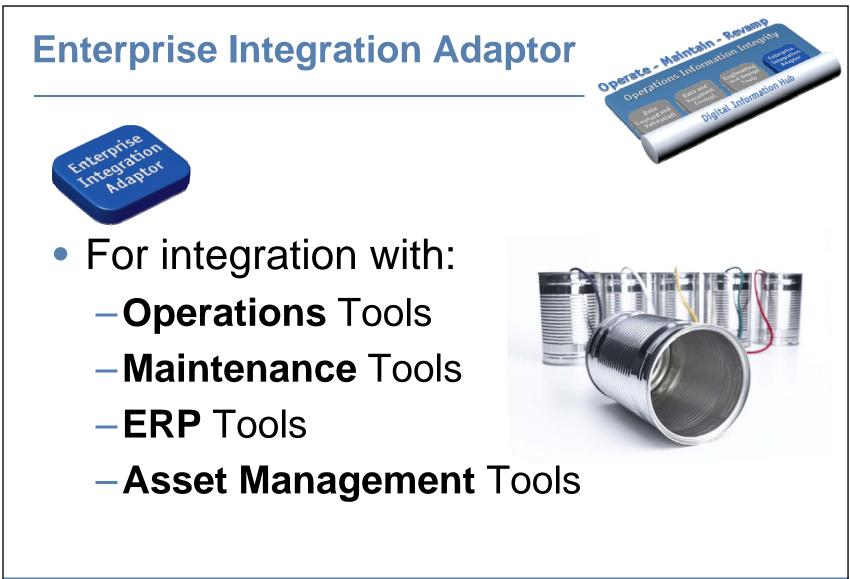
AVEVA Plant / Marine Applications

- Manage documents and drawings published from AVEVA Plant / Marine.
- Create integrated working environment for both Design and Lifecycle processes.

Third party engineering / design / authoring tools

- Capture information from third-party tools; create consolidated data model
- Enrich third-party data (2D & 3D) with object data, relationships, hotspots and hyperlinks





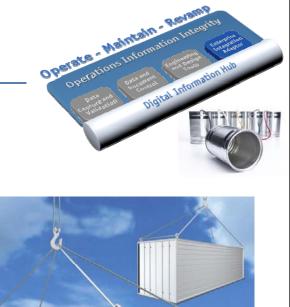


Enterprise Integration Adaptor



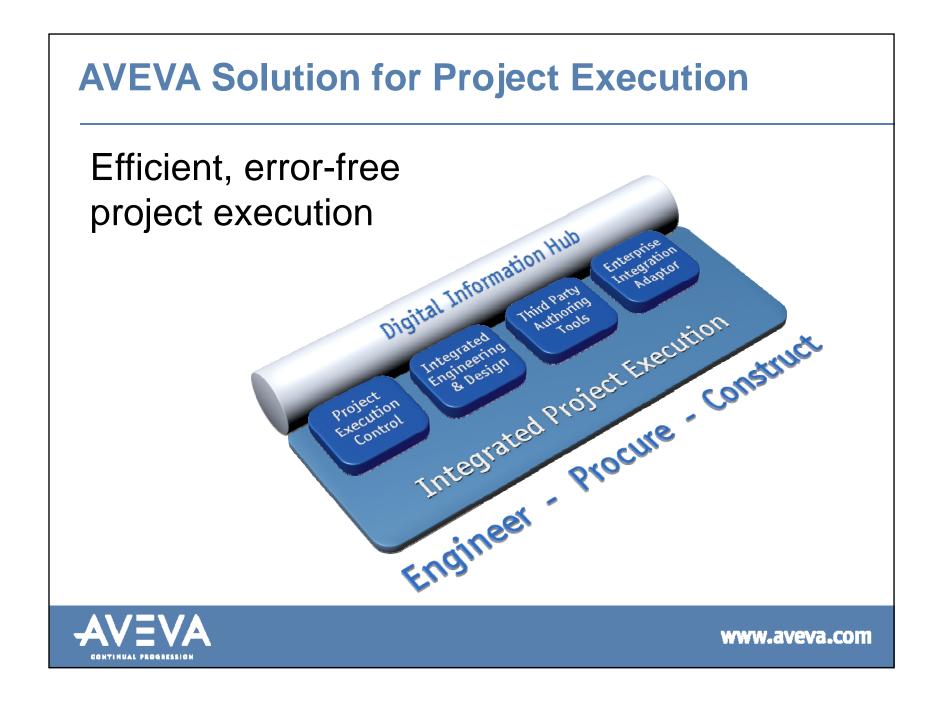
Operations Tools

- Resource management
- Physical logistics tools
- Process simulators
- Compatibility with the full range of SOA (Service-Oriented Architecture) operational technologies
- Delivers results in any format including 2D and 3D visualisation









Project Execution Control





Project Dashboard for Information Sharing

- Easy access for all members of project team
- Instant view of where corrective action is required across your project processes

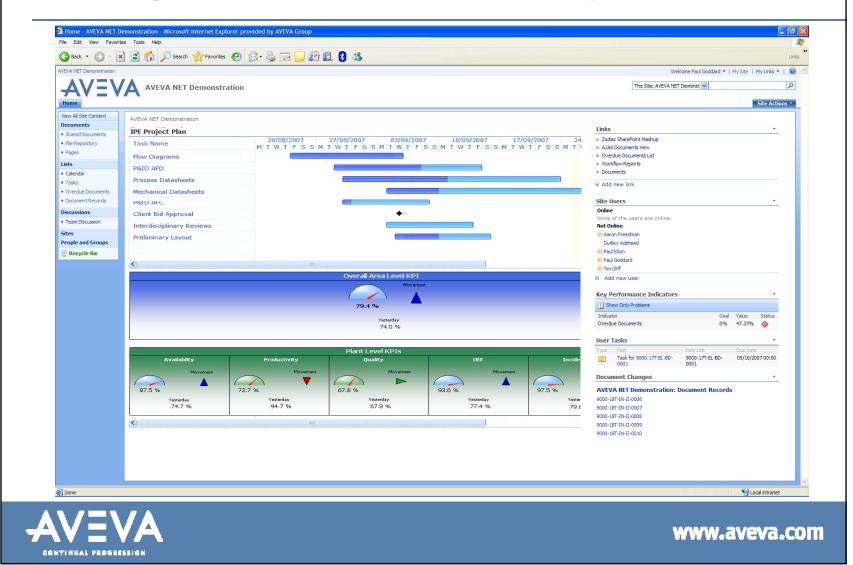
Engineering, Data and Document Management

- Data, documents, workflows and objects are interlinked
- Reduce redundancy and disconnects
- Document planning and document management all in one place



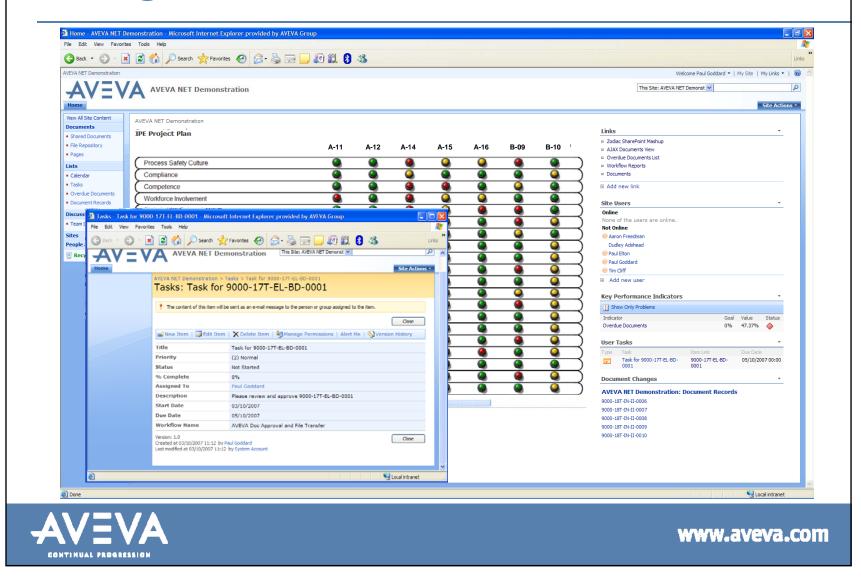


Management Dashboard – Project Overview



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Management Dashboard – Unit Overview



Project Execution Control





Engineering Change Management

- Accurate, timely information from multiple sources, e.g. engineering, procurement, construction
- Impact of changes can be assessed beforehand

Materials Management

- Integration with VPRM
- Extract information from dedicated materials management and ERP systems





AVEVA NET Change Manager

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Project Creation

Project Creation

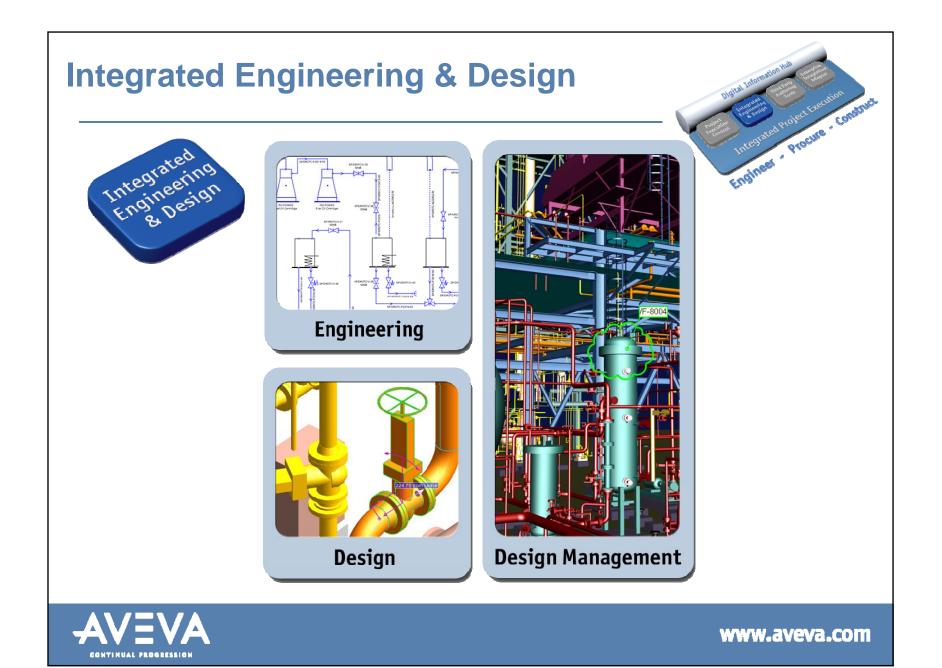
- Create from a Project template or "Master" project
- Select which elements to copy (Structures, tags, documents, etc..)
- Copy complete project
- Copy individual units, systems, etc.

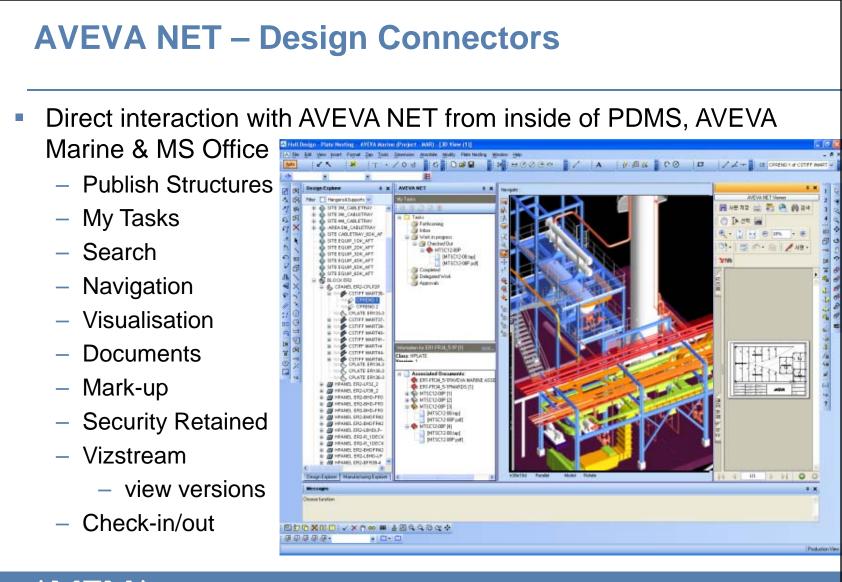
Document Creation

- Define numbering and naming conventions
- Assign document Templates
- Publish and Approve the P&ID
- Automatically create the project documents from Templates











Enterprise Integration Adaptor





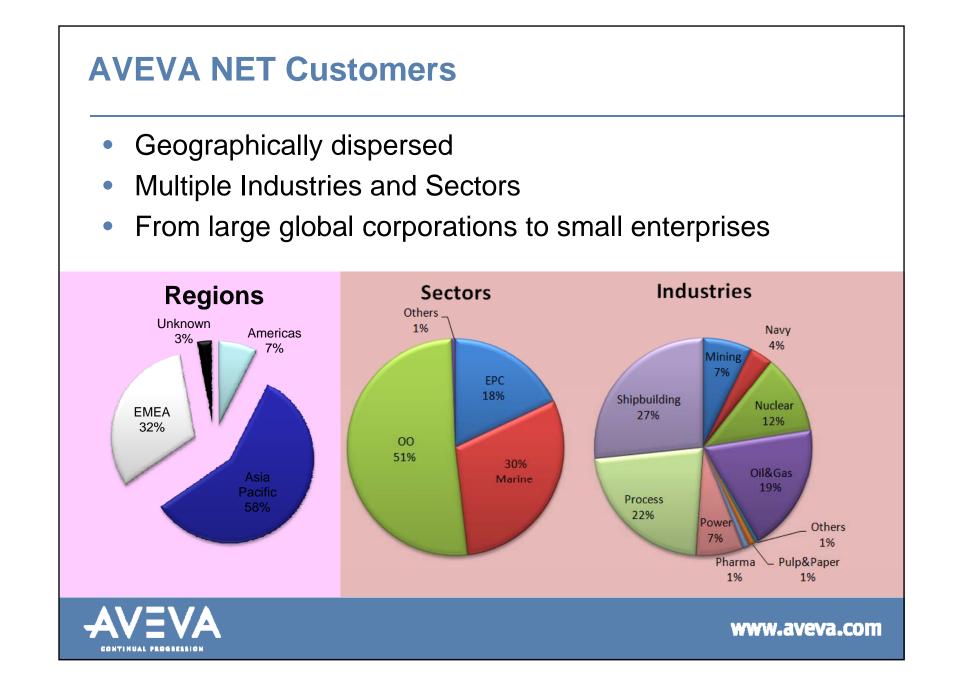


For integration with:

- -Project Management
- -Materials Management
- -Planning
- **–Construction Management**
- -Commissioning

-ERP







CONTINUAL PROGRESSION

AVEVA NET – References 25th June 2010

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