

## Benefits

- ✓ Common toolsets
- ✓ Resource maximization
- ✓ Data reuse

## Timeline

Mainframe Retirement 2019

MRP Replacement 2022

## Project Partners

- Ingalls
- NNS
- TSD
- DXC
- AVEVA
- SSI
- ARAS

## Next Steps

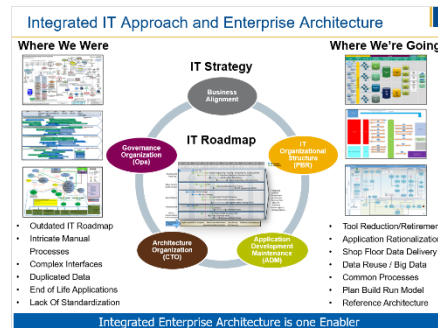
- Rules based design & planning
- Robotic process automation
- Digital twin
- Automation / robotics
- Shipyard AI

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# Digital Transition



Ingalls Digital Transition is focused on enabling the business strategies core for Shipyard of the Future (SYOF) through technology, creating Ingalls competitive advantage in today's market, while maintaining security and compliance.

- *Consolidation* of multiple design and product lifecycle management tools to standardized platforms and common processes providing the ability to leverage resource capabilities across multiple ship classes.
- Enabling Shipyard of the Future (SYOF) efforts to direct feed robotics by bringing design and planning and production together to support the *automation* of the new profile and panel lines. This is facilitated by an Operational Technology Network. The Operational Technology Network is building the foundation for the expansion of robotics and automation.
- Migrating a legacy mainframe based finance and HR system

to SAP S/4 HANA, an industry leading Finance System, and Success Factors, an Enterprise wide Human Capital Management system.

- Implementing PROTO, Cable Plant Management and AREAS are keystones in auto-progressing and capacity management. Accurately "knowing where you are" and how that affects future forecasting, is one of the most important and time consuming aspects of our business. The development and deployment of these tools are *automating* and *streamlining* some of the manual processes.

Looking forward Ingalls must replace its MRP system. The current MRP System and processes are less integrated and require manual input to show a picture of the day-to-day process status from the beginning to the end of supply chain. New MRP technologies advance our capability with scheduling, inventory, purchasing of material with web-based platforms that display real-time data. A team of functional and technical experts are reviewing possible replacements to capitalize on new technology and updated processes to advance our analytics, logistics, collaboration, and automation capabilities.

IT will continue to partner with the functional divisions to drive business value which will result in increased innovation and purpose-driven initiatives.