

PROBLEM STATEMENT

- *Urgency to act*– Navy is facing a sense of urgency to improve performance at shipyards (SY), aligned with once in a generation investment in the 4 Public SYs.
- *Ecosystem* – There are multiple companies working unique solutions to identified problems; however, they are not methodically coordinated.
- Navy needs a *digital transformation partner* which brings:
 - Altruistic focus on the Navy’s north star
 - Fresh perspectives to Navy challenges
 - Experience in leading complex digital transformation (similar challenges, doesn’t have to be the same)
 - Orchestration and integration*. The ability to partner with others, methodically coordinate, execute rapidly

BENEFITS

6,000+ clients in asset intensive industries

9,130 US Patents
(Industry leader for 28 consecutive years) 3,000 Cloud Patents

Market Leadership in IoT & Industry 4.0*

IBM Client Results

10% reduction in plant maintenance costs

Increase efficiency by up to **20%**

15% decrease energy costs

4 weeks to connect plant equipment to a digital platform for real time performance monitoring

TECHNOLOGY SOLUTION

Digital Transformation of the Shipyard

New opportunities for innovation



Exponential technologies like AI, IoT, automation, and cloud-based platforms enable shipyards to optimize and augment depot maintenance operations



How can IBM help with digital transformation?

Orchestrate Top Down



- Support:**
- Program Management Office
 - Organizational Change

- Scope:**
- Strategy and communications
 - Organizational alignment
 - Structure

Deliverables: Roadmap, Stakeholder/Comm’s Plan

Orchestrate Bottoms-up



- Support:**
- Digitization of workflows/processes

- Scope:**
- Opportunity analysis
 - Process validation
 - Digital Initiatives (projects/pilots)

Deliverables: Opportunity Backlog, MVP’s, Scale-plan

Optimize to Shipyard of the Future



- Support:**
- Digital Operating Model Transformation / Results

- Scope:**
- Integrated workflow and measures
 - SY and enterprise visibility
 - Digital twin

Deliverables: Operating Model, Deployment @ scale

