

# Navy Maintenance Availability and Drydock Optimization

Improving Readiness with Advanced Modeling and Simulation



## THE CHALLENGE

Noblis MSD provides strategic schedule modeling of drydocking and other maintenance periods for surface ship fleet—which includes approximately 160-200 ships and 600-800 dockings—looking out over a 30-year period. As a new wholly owned subsidiary of Noblis, Noblis MSD looks to further enable stakeholders to expedite decision making and workload forecasting and optimize maintenance scheduling in a common data operating environment. Drydock and facility availability information, workforce allocation and maintenance schedules are managed by multiple stakeholders using varying reporting methods. However, the information is interdependent, and Noblis MSD can now provide an integrated view in near real time.

## THE SOLUTION

To help with this challenge, the Noblis MSD team developed a Navy maintenance availability and drydock optimization capability which includes a decision-support tool. Built on advanced modeling and simulation, our tool automatically integrates stand-alone data sources and disparate files into a comprehensive maintenance dashboard to deploy in existing IT environments. Automating an integrated decision-support tool will enable data-driven decisions in a fraction of the time than it has previously taken to provide accurate information quickly for improving forecasting, scenario planning and overall fleet optimization and readiness.



## KEY BENEFITS

- Automates existing manual process
- Integrates disparate data
- Delivers real-time information
- Improves efficiencies and forecasting capabilities
- Integrates into existing infrastructure/platforms
- Provides flexible connection modalities
- Enables overall fleet optimization and readiness
- Delivers stable and predictable workloads to ship builders and repairers and maintenance and modernization organizations

### About Noblis MSD

Noblis MSD, a Noblis subsidiary, is a recognized market leader in U.S. Navy network design, operational readiness, system modernization, lifecycle sustainment and system integration. As a system developer through lifecycle maintenance, Noblis MSD provides engineering, enterprise transformation and program management, to help clients design solutions for operations and maintenance. We identify and deploy new shipboard technologies, integrate information technology across shipboard platforms, implement cyber and advanced information technology systems and develop strategies to support the Warfighter. Noblis MSD leverages the depth and breadth of the entire Noblis family of companies to deliver advanced capabilities to our clients.

### Our Areas of Expertise:

- Acquisition Modernization and Sustainment Readiness
- Enterprise IT, Systems Engineering and Cyber
- Hull Mechanical and Electrical (HM&E) and Combat Systems Engineering
- Program Management and Strategic Consulting



Contact [answers@noblis.org](mailto:answers@noblis.org) to schedule a demo or to learn how the Noblis MSD team can customize our capabilities for your mission.

**Contact Us**

 [answers@noblis.org](mailto:answers@noblis.org)

 [noblismsd.com](http://noblismsd.com)

 703.610.2000

