

# OptiSource™

by Noblis MSD

## Improving Readiness with Advanced Modeling and Simulation



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. Noblis MSD looks to further enable stakeholders to expedite decision making, workload forecasting and optimize maintenance scheduling in a common data operating environment.

### The Challenge

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 in need of a more integrated view that can provide data in real time.

### The Solution

Noblis MSD developed OptiSource with maintenance availability and drydock optimization capabilities and tools which include decision support. Built on advanced modeling and simulation, Noblis MSD's OptiSource integrates stand-alone data sources and disparate files semantically into a comprehensive maintenance dashboard to deploy in existing and cloud IT environments. This automated and integrated decision-support tool enables 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.



## OptiSource Key Benefits

- Integrates multiple stand-alone processes
- 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 workload forecasting to maintenance and modernization organizations
- Provides an integrated solution

## 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 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 we can customize our capabilities for your mission.

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