
NS HULL MANAGER AND HULL MANAGER 3D

Too often, hull maintenance is managed in a reactionary way and considered secondary to the planned maintenance of equipment on board a vessel. However, during repair campaigns or at drydock the consequences of lack of structural maintenance become apparent and drive unexpected costs. A robust hull integrity management approach can mitigate this risk.

NS Hull Manager fully integrates structural integrity management into the maintenance, purchasing and repair planning or drydock process, assisting with comprehensive maintenance strategies. Leveraging a ship-specific model, NS Hull Manager delivers the industry's most comprehensive predictive and preventative asset life cycle management tool. NS Hull Manager provides the same visibility of a vessel's structural condition previously only available for machinery.

When deployed with the NS Fleet Management software, NS Hull Manager elevates a planned maintenance program to a complete asset management program.

NS HULL MANAGER CAPABILITIES

- **One-click Access to Structural Health** - Intuitive dashboards provide simple and efficient access to the structural condition of each compartment on the vessel

through graphical representations that are easy to understand.

- **Inspection Scheduling** - The inspection scheduler gives both office and crew full visibility of all hull inspections - planned, ongoing or completed - to enable more efficient documentation of asset conditions at the fleet or vessel level.
- **Anomaly Reporting** - NS Hull Manager supports a more efficient and accurate process to manage repair of structural anomalies. Anomaly thresholds are configured based on client requirements for substandard structural conditions. The software automatically generates an anomaly list, which can be further documented by attaching relevant files such as pictures, reference drawings and previous inspection results. The integrated planning and resolution tool allows users to evaluate anomalies to determine what needs to be repaired immediately and what can be deferred for later action.

- **NS Software Integration** - NS Hull Manager integrates with NS Maintenance, Purchasing and Drydock Managers to deliver the industry's most comprehensive asset life cycle management tool.

3D VISUALIZATION WITH HULL MANAGER 3D

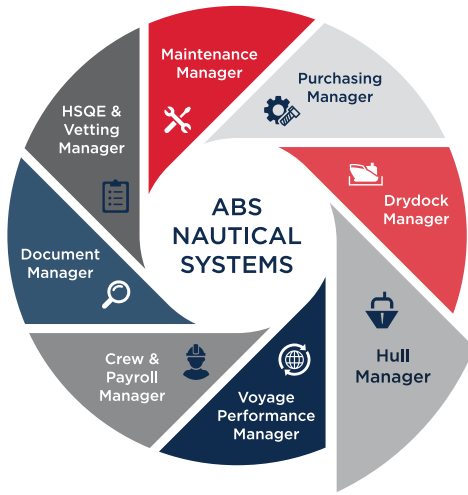
The powerful addition of NS Hull Manager 3D enables users to map thickness measurements and anomalous conditions in a 3D virtual environment. Planning and budgeting are improved with a more accurate estimate of the scope of steel replacement. Operators benefit from a reduction of risk exposure and unplanned downtime.

- **Creating and Visualizing Gauging Results** - Visualization of substantially corroded areas simplifies the assessment process and assists with an automated creation of repair plans.






ABOUT ABS NAUTICAL SYSTEMS

At ABS Nautical Systems (NS), marine and offshore is our focus. Our software design, implementation approach, industry expertise and ongoing support capabilities reflect a deep history in the maritime sector. NS provides a unique understanding of the challenges in the maritime and offshore business supported by the depth and breadth of experience of ABS. NS offers powerful solutions for a complex world, with technical management, workforce management and compliance software that solves real problems for real mariners. NS is your partner in driving fleet performance, with software solutions that meet today's challenges and grow with your business.

- **Trending Forward of Asset Condition** – Use of the 3D module allows you to quickly visualize the current condition and predict future condition for development of optimal repair strategies.
- **Decision Support** – Support for critical strategic decisions regarding asset life extension, disposition and repair, sell or scrap strategies.
- **Rapid Assessment of Hull Structure** – Extraction of as-gauged model information can be used to reassess corroded areas to optimize repair solutions and rapidly develop repair specifications. Repair options can be assessed and optimized against Class rule criteria via linkage to the Altair Hyperworks™ Finite Element Analysis suite.
- **Compliance** – Class surveys, TMSA and ISM.



THE NS DIFFERENCE

	<p>Document-Centered Design Developed by marine experts using familiar concepts to ease implementation and improve adoption.</p>
	<p>Implement for Success Unparalleled assistance to ensure successful implementation and adoption of the software through our Project Management organization.</p>
	<p>Fleet Management Center of Excellence Bringing thought leadership and best practice knowledge from the industry and ABS to drive innovation.</p>
	<p>Ship and Shore Collaboration Replication to enable real-time visibility to every vessel, as well as the entire fleet.</p>
	<p>NS Cloud An easy and cost-effective option for implementation, deployment and management of the Nautical Systems software.</p>



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POWERFUL | SIMPLE | RELIABLE



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