

Shipnet Technical

Improve productivity, lower costs and
comply with the latest standards

Fact Sheet





Shipnet Technical

Planned Maintenance & Inventory Management Solutions

Current Technical Challenges within the Shipping Industry

Technical departments within the Shipping Industry are facing increases in administrative inventory workloads, regulatory and risk assessments, and increased pressure to perform data analytics to measure performance.

Aspects are continually missed out in the update process, causing inventories to become out-of-sync when comparing physical items to the records in the inventory management system. Furthermore,

achieving optimal inventory for repeated year-round jobs requiring spare parts becomes an onerous task for Seafarers as they struggle to keep up-to-date with order requirements.

With technical departments having increasingly applied regulations, Seafarers are required to enter more information without the necessary checks in place due to increased administrative workloads, this increases the likelihood of data inaccuracy.

For example, TMSA3 introduced guidance on performing risk assessments for critical deferred jobs. Following these, assessments have become a huge administrative burden for Seafarers with deferring jobs due to ship scheduling being commonplace.

Finally, with so much data being input into applications today, a range of different BI tools are required with dedicated BI teams who have specialized data mining knowledge to perform analytics and focus on critical areas, which is consistently hard to maintain.

Who uses the Technical Solution?

- Technical Manager (Or Fleet Manager)
- Seafarer (Typically Chief Engineer)

What is Shipnet Technical?

Technical is a planned maintenance and inventory management solution, built solely for technical departments, enabling them to stay up to date through clear and structured work planning, providing extensive capabilities to comply with industry regulations and standards, make the management of data accessible, and provide a centralized managed defects list.

Request a demo today for a personalized walkthrough of the solution

The benefits

1. **Clear and structured design of Work Planning.**
2. **Extensive capabilities to comply with industry & department specific standards.**
3. **Efficiently manage the fleet's planned maintenance structure.**
4. **Easily keep track of unscheduled work to be completed in a Central Defects module.**
5. **Mobility - Operate Planned Maintenance, Inventory Management, and safety on the go.**

Task Tracking

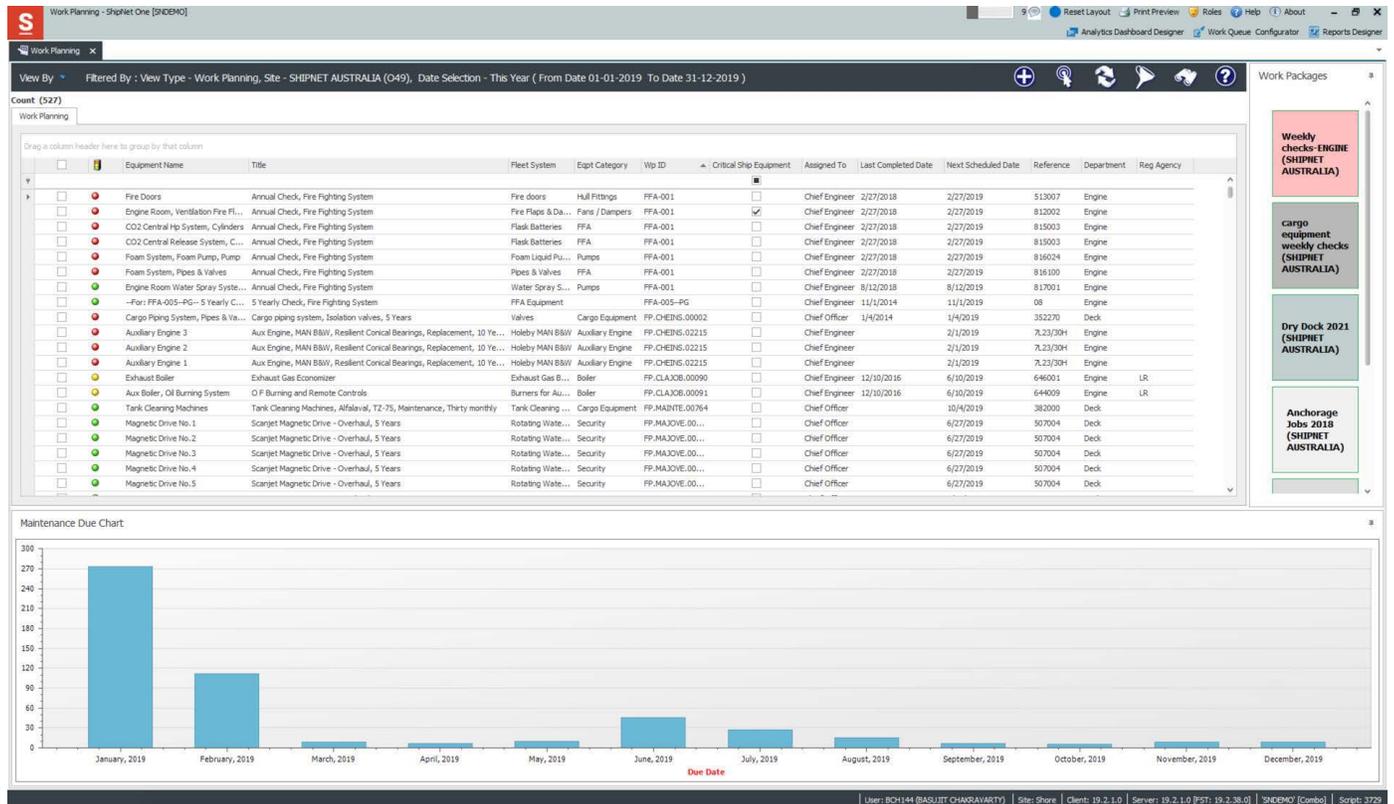
Users have a calendar view of maintenance routines broken down to daily, weekly or longer periods, for precision planning and central control.

Critical Configuration

With a built-in work queue configuration engine, it's easy keeping on top of critical spares and equipment needs.

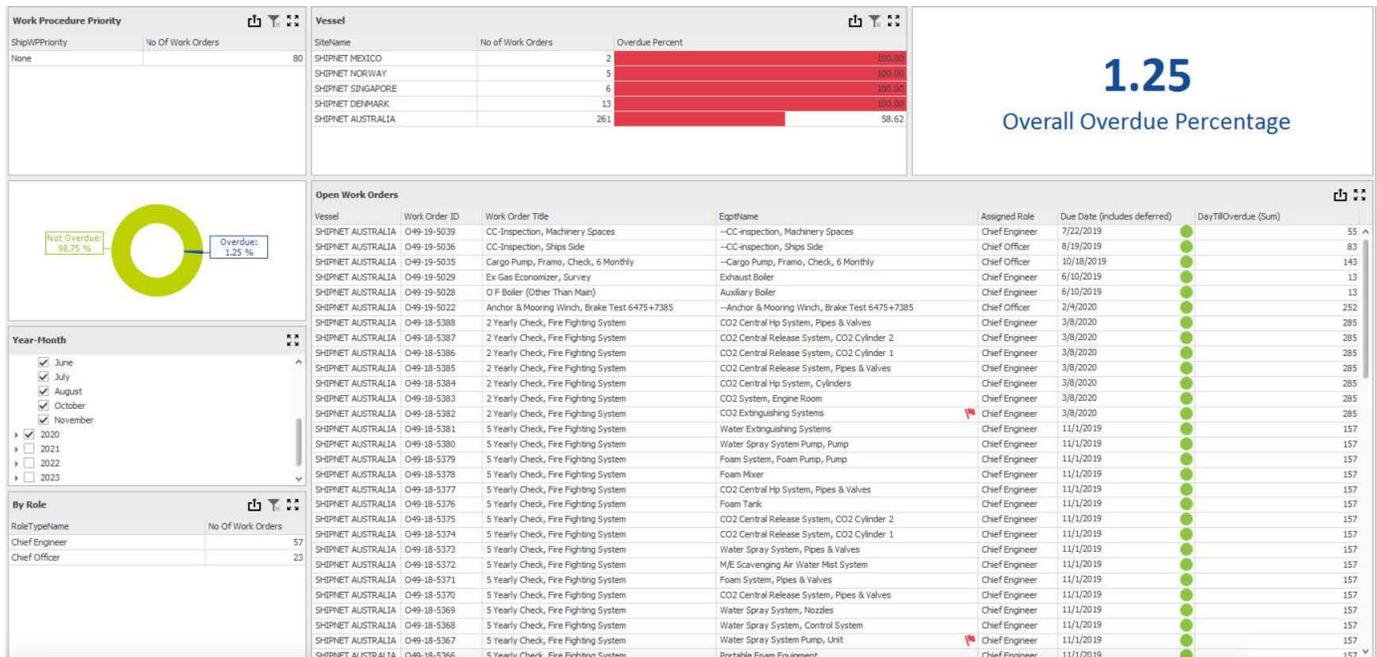
Stay up to date

Through the clear and structured design of Work Planning, Technical departments have access to the most relevant information across a calendar or for running hour-based activities allowing work to be planned centrally, with precision and always to exact requirements. Avoiding peaks, Work Planning offers the ability of dynamic planning with inbuilt planning charts and an inbuilt workforce analyzer to keep track of workflows across various roles onboard the vessel. Jobs can be rescheduled at short notice while ensuring that jobs are distributed evenly, leading to maximum efficiency.



Complying to the latest standards

With the extensive capabilities of customized workflows using the inbuilt work queue configuration engine, Shipnet ONE's planned maintenance modules provide extensive capabilities to comply with industry as well as department specific requirements. Easily make items mandatory and ensure optimum data collection with linked forms, checklists, and risk assessments providing a detailed history for the vessel as well as ensuring Safety compliance onboard. Furthermore, the Shipnet ONE Planned Maintenance module is type approved by various classification societies.



Build your business workflows into our solution

Gain complete control over your business workflows, with the platform's built-in Workflow Manager, convert your day to day business processes into the solution to force controls and dependent checks when using the solution.

Make the management of data easy

Efficiently manage the component hierarchy along with centralized work procedures and spare management all in one module providing complete access to the fleet's planned maintenance structure. With the inbuilt harmonization tools for merging and moving of history between components removes the need to manage data cleanups through the backend or the requirement for database experts. The inbuilt Shipbuilder functionality provides a scalable system for future sister vessels from the yard.

Keeping your fleet shipshape from port to port

Our tailored platform is proven to improve productivity, reduce lifecycle maintenance costs and make better use of important data collected at sea.

System Explorer

The screenshot shows the 'System Explorer' window for 'Shipnet One [SHENQ]'. The interface is divided into several sections:

- Left Panel:** A tree view showing a hierarchy of equipment categories. The selected path is: 71 Lubricating Oil Systems > LCOF/0003 Lubricating Oil Systems > 711003 LCO Transfer Pumps > ELMT.0002 Electric Motor Teos ABEET K.
- Main Panel:** Detailed information for the selected equipment, including:
 - Name:** ELMT.0002, Alternate Reference, Manufacturer: Teos, Model/Type: ABEET K.
 - Description:** Output - line 2.2, Voltage - V 400, Frequency - 50 Hz, No of Revolutions - 1 item 1200.
 - Linked Ship Equipment:** A table listing related equipment across different ships.
 - Ship Spares:** A table listing spare parts for the equipment.
 - Ship History:** A table showing work orders and their completion status.

Centralized defects list and management

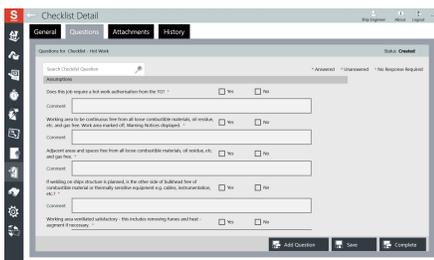
Easily keep track of unscheduled work to be completed in a central Defects module. It is possible to raise required purchase orders to order urgent items, set target dates based on criticality and risk assessments to ensure that ships run smoothly while planned repairs and root cause analysis are carried out to capture the most relevant why and prevent the issue from reoccurring.

The screenshot shows the 'Technical Defects Explorer' window for 'Shipnet One [SHENQ]'. It displays a table of technical defects with the following data:

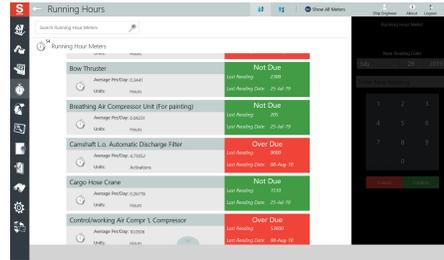
#	Occur	Code	Site	Date Found	Equipment Criticality	Consequence	Priority	Target Date	COC Dispensation	COC Dep Due Date	Next DD Date	Damage / Defect Identified	Work Queue State	Status
1	DEF-049-18-6002	SHIPNET AUSTRALIA	3/13/2019	Critical	SYSTEM OUT OF SERVICE	High	3/20/2019	Yes	3/20/2019			Machinery Break Down	Shore Install Report	Open
2	DEF-049-18-6003	SHIPNET AUSTRALIA	3/13/2019	Critical	SYSTEM OUT OF SERVICE	Critical	3/29/2019	No	3/27/2019	3/29/2019		Emergency State	DD Review	Open
3	DEF-065-18-6001	SHIPNET JAPAN	12/14/2018	Critical	SYSTEM OUT OF SERVICE	High	7/31/2019	No		7/31/2019		Leaking HW return pipe	DD Review	Open
4	049-18-5001	SHIPNET AUSTRALIA	12/13/2018	Non-Critical	SYSTEM OUT OF SERVICE	High	12/27/2018	Yes	12/27/2018			Leaking CW pipe on ME	Defect Closed	Open
5	PERM-061-18-5001	SHIPNET DENMARK	12/14/2018	Critical	SYSTEM OUT OF SERVICE	High	12/24/2018	No				A/E TC casing damage	Technical Department Review	Open
6	PERM-061-18-5002	SHIPNET DENMARK	12/14/2018	Critical	NON-ESSENTIAL FUNCTION DISABLED	High	5/7/2019	No		3/28/2019	5/31/2019	FW Tank A/E plate damage	DD Review	Open

Mobile 360/Mobility Onboard

The innovative and award-winning (Shipping Insight) Onboard Mobile Solution is designed to ease the pain for Seafarers of rolling out a new system onboard. The user-friendliness of the system allows onboard users, with limited or no training, to operate Planned Maintenance, Inventory Management, and safety-related matters efficiently. The speed of rolling out ships will no longer be delayed, giving a faster return on investment.



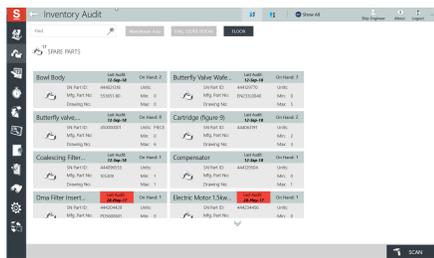
Complete Checklists on site



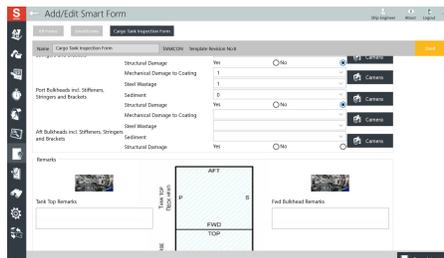
Easy update of Running Hours



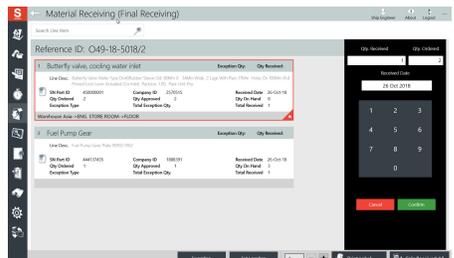
Complete Overview of Ship's systems



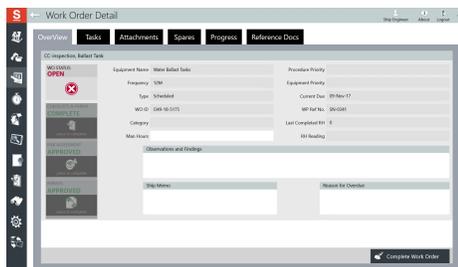
Effort Free Inventory Management



Fill up technical forms



Making Receiving Orders Easy



Work Orders on the Go

Cloud Sync

With Shipnet's native cloud sync technology, information between ships and offices are always in-sync. Removing the need to rely on email or other store and forward systems to synchronize various environments. Security and reliability of transactions have been the core focus of this feature and has been designed to work in the maritime ecosystem.

TMSA3 - Did you know?...

Through years of development of the Technical Planned Maintenance Module and Safety solution in conjunction with the world's major shipping companies, the solutions not only meet the requirements but enables continual improvement and encourages efficient compliance with Tanker Management Self Assessment (TMSA 3).

With **Mobility Onboard** you can...

- Ease the pain for Seafarers of rolling out a new system onboard.
- Allows onboard users, with limited or no training, to operate Planned Maintenance, Inventory Management, and safety-related matters efficiently.
- Reduce the amount of time taken to roll out ships, giving a faster return on investment.

With **Cloud Sync** you can...

- Ensure information between ships and offices are always in-sync.
- Remove the need to rely on email or other store and forward systems to synchronize various environments.
- Ensure security and reliability of transactions

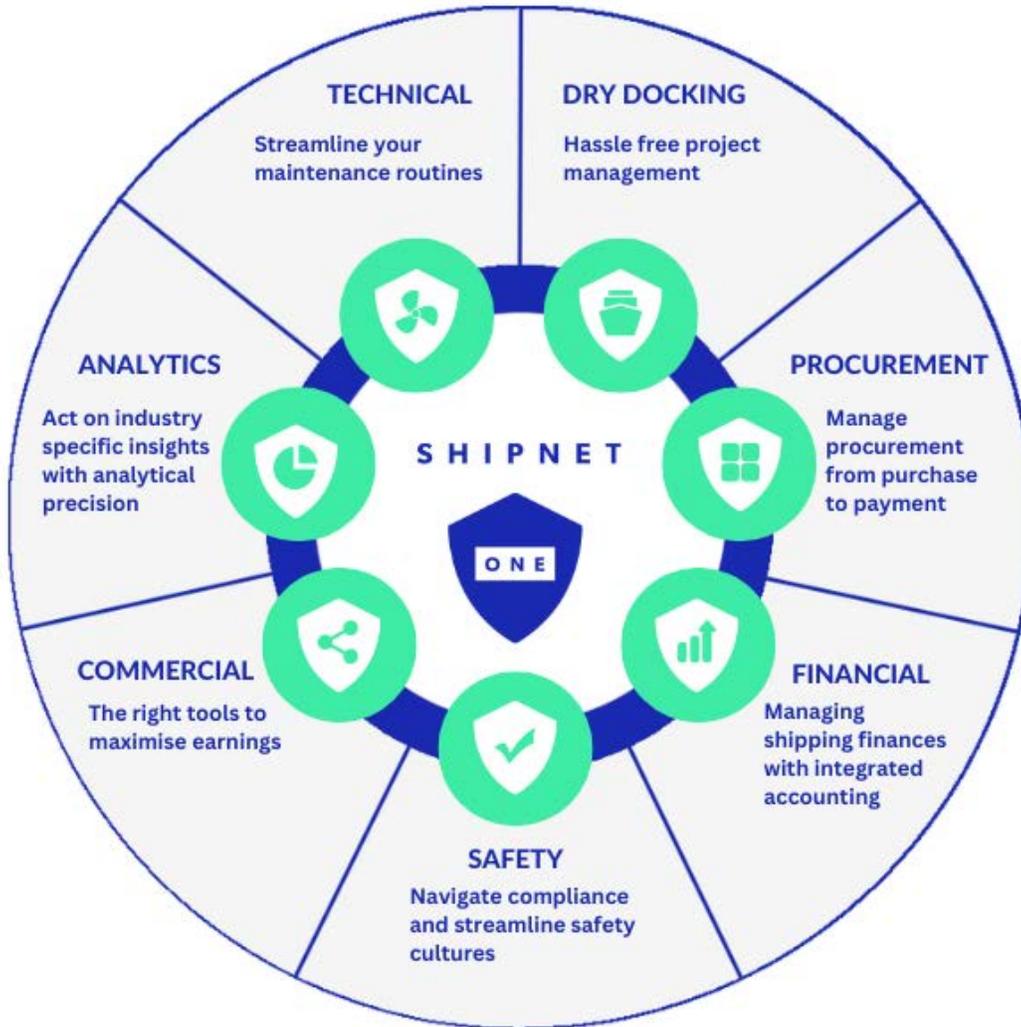
Technical and the Shipnet ONE Platform

The core of the Technical solution, which consists of planned maintenance and inventory management is integrated as part of Shipnet ONE, enabling all connected applications to share master data.

Technical has a direct connection with Procurement providing a complete synergy of initiating acquisitions, landing components for repair or scrapping, and collection of shopping lists for the planning of orders and future estimates regarding spares required.

Heavy coupling between the Technical and Safety applications, enables users to complete risk assessments while finalizing tasks, follow checklists to make sure required items are covered while helping new engineers to become familiar with work requirements. The connection between the two applications also provides maintenance & overhaul history tracking in forms such as Crank Shaft Deflections and Tank Inspection Readings, helping to identify critical areas to focus on in the future. Finally, the integration enables the Technical Defects Module to become the official safety & repair list through providing corrective actions by way of performance of root cause analysis, changes of policies or working with conditions of class and dry dock items.

The integrated solutions enable manufacturers' manuals to be linked with work orders, providing Seafarers with a quick and easy reference to maintenance procedures.



Take your business to the **next level.**

Shipnet

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