Making data-driven decisions with Triton
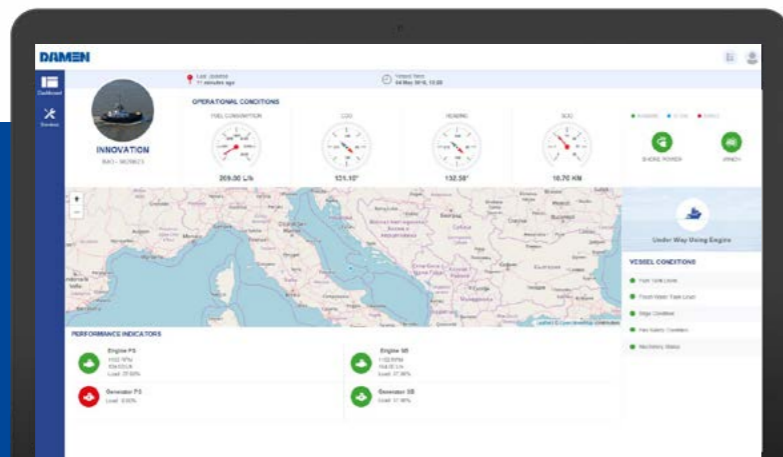
DAMEN TRITON IoT PLATFORM

Improve your fleet's performance

Home to a maritime system integrator, Damen Triton turns your vessel's data into actionable insights and reports on our easy-to-use digital platform. For owners of both Damen and non-Damen vessels, Damen Triton is here to help optimize operations and sustainability. Building on almost 100 years of shipbuilding expertise, Damen Triton is the trusted digital partner for the maritime industry.

ON-BOARD CONNECTIVITY → **CLOUD BASED DIGITAL PLATFORM** → **ON-SHORE INSIGHTS**

"
Dashboard remote monitoring"

Operational Performance:
Improve your fleet earnings

- ❯ Fuel & operations insights
- ❯ Performance notifications
- ❯ Incident and live monitoring
- ❯ Logbooks & electronic reporting

Damen Triton showed in multiple European ports that >90% of tug operations can be fully electric.

Optimising operations with Damen Triton's Smart Captain Assistant, saving up to 25% fuel.

Emission Compliance:
Simplifying emission reporting

- ❯ Emission insights reports
- ❯ Damen Triton Reporter for emissions
- ❯ Class approved for regulations

Damen Triton Reporter reduces emission related paperwork for shipping crews and offices.

Monitoring savings from batteries, shore power, wind assist air lubrication or other upgrades.

Cyber Security:
Control access to your ship

- ❯ Cyber Resilience at delivery
- ❯ Cyber Regulation support
- ❯ Damen Triton Guard remote access

Providing cyber resilience support to customers facing new cyber security threats and regulations.

Cyber Security Type approved by Bureau Veritas

Maintenance:
Make maintenance smarter

- ❯ Maintenance Management system integration
- ❯ Maintenance dashboard

Optimising your vessel's maintenance cycle with Damen Triton and Damen Maintenance Management Services (DMMS).

DAMEN TRITON

Damen Triton securely transfers data from shore for over 800 connected ships
Damen Triton securely collects your ship systems data, sending it through secured gateway to the cloud based digital platform and stores it safely. Here the data is processed and analyzed for to support our customers with data-driven decision making and optimizing their fleet operations.

SHIP SYSTEMS
Data collection from various sensors on board

SATELLITE & GATEWAY
(Pre-)process data, transfer to cloud and offline buffering

CLOUD PLATFORM
Store data, process and tag with meta-data.

DATA DRIVEN APPLICATIONS
Present online, in (custom) reports or via API request

As integrator, Damen is specialised in implementation of new emission and cyber regulations

Cyber security whitepaper
Understanding IACS E26/27 & EU NIS2

Cyberattacks like ransomware can compromise critical onboard controls, causing 2 months downtime on average

EU Green deal whitepaper
Understanding EU ETS, FuelEUM, CSRD

The EU Green Deal aims to reduce 55% of GHG in 2030, and net-zero emissions by 2050

IMO GHG strategy whitepaper
Understanding EEDI, EEXI, DCS, CII

IMO aims to reduce shipping GHG emissions by 40% in 2030, 70% in 2040 and net-zero emissions by 2050

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