



Digital Solutions For The
Maritime Industry.

SDSD FLEET MANAGEMENT DATA VISUALIZATION AND ANALYTICS WITH POWER BI



Power BI

SDSD's data visualization and analytics service integrates **Microsoft Power BI** into the MAMS fleet management modules, in-house software and excel; helping clients to create dynamic dashboards and share visually impactful reporting of operational data.

MAMS - Power BI users connect via a browser or mobile device and work from the same trusted dashboards and reports, that update and refresh automatically, ensuring that the data content is always up to date. Proactive alerts when data changes as well as scheduled reports by email, ensure that you monitor, review and interact with the latest content, to make business decisions based on fact.

MAMS and Power BI gives users interactive visualisation tools and business intelligence capability that goes beyond the standard module reports available. Users can choose from a variety of predefined reports or create their own reports using specialist templates in a few clicks via the simple and intuitive interface.

The data is visualised in a clearly structured way and users can create visually immersive reports, KPIs, detailed statistics and impactful graphs within minutes.

Examples of dashboards and reports powered by SDSD and Power BI:

SDSD offer a range of pre-defined MAMS fleet management dashboards, we can also develop customised reporting to meet your exact needs including connecting with inhouse software and excel. MAMS dashboards include:

1

Procurement: Requisition and POs by status, vessel, inactivity, vendor, expense by budget code/vessel

2

Maintenance: jobs due/overdue by vessel, rank-wise jobs, critical status

3

Breakdown: component groups, breakdown jobs

4

Technical Downtime: by vessel, type, occurrence date, time and duration

5

Accident/Incident: vessel-wise by category, severity, vessel activity, location-wise incidents

6

Near Miss: within date range, category, location, time, vessel activity, categories of causes

7

Internal & External Audits: annual/vessel audits, NCs, observations, major NCs, ISM audits

8

Flag or Port State Control: deficiencies and inspections, by vessel, MOU and status

Additionally we can provide vessel operational performance dashboards including:

1

Fuel consumption: average speed v. average ME consumption, summary sea consumption/port consumption (mt), fuel type, loading condition, weather

2

Emissions Summary: CO2 emission by voyage number (mt), SO2 emission by voyage number (kg)

3

Main engine performance: average cylinder oil and system oil consumption details

4

Auxiliary Engine: fuel consumption v load, running hours, usage

5

Vessel Activity: sailing days, port stays, manoeuvring, anchorage, loading condition, weather

6

Voyage Analysis: voyage summary, over/under consumption, over/under speed, charter party speed and consumption analysis



SDSD's data visualization and analytics service ensures your business makes more informed data-driven decisions to improve operations and processes.



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