

Why Maintenance Optimization Needs an Independent Layer

After 35 years in marine engineering and fleet operations, I've seen one consistent truth:

A Planned Maintenance System is only as effective as the database behind it.

Modern PMS platforms such as AMOS, BASS, ShipNet, SeaMaster, and DNAOS are powerful and well-established tools —

but their real performance depends on how well the maintenance database is designed, structured, and continuously improved.

In many cases, the challenge is not the system itself, but:

How data is built

How maintenance tasks are structured

And how real operational Engineering experience is integrated

A well-engineered maintenance database should be:

Structured around a clear and logical equipment hierarchy

Aligned with failure modes and criticality of key components

Properly linked to spare parts, consumables, and required resources

Defined with optimized maintenance intervals — not just OEM defaults

Adapted to vessel age, condition, and operational profile

Realistic and executable based on crew capability onboard

Free from redundant or low-value maintenance tasks

Continuously improved using:

Maintenance logs

Workshop interventions

Dry dock findings

Designed not just for compliance — but for efficiency, reliability, and cost control The maintenance database is the backbone — and intelligence core — of the entire PMS

My Focus

1. PMS Database Development (Build from the Ground Up)

Transforming OEM manuals into structured, system-ready databases

2. PMS Audit & Optimization (Enhance Existing Systems)

Improving performance, reducing cost, and aligning PMS with real operations

Positioning


Through MaintOpt, I work as an independent bridge between:

 Ship Owners

 Ship Management Companies

 PMS / Digital Solution Providers

Ensuring systems, data, and operations are fully aligned and deliver their full value.

 Available for PMS database development, optimization projects, and advisory discussions.

Feel free to connect or message me directly — or reach out via: info@maintopt.com

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