

FEATURE SUMMARY · EVERY DEPARTMENT

What Keelson actually does.

Keelson is one system for the whole vessel — engineering, bridge, deck, interior, galley, purser and the owner — running *on the boat*, so it works with the satellite down. Everything below is live aboard a 50 m RINA-classed motor yacht today.

7

DEPARTMENTS

5

STATUTORY RECORD BOOKS

100%

ABOARD — NO CLOUD REQUIRED

AI

READS YOUR LIVE DATA

Engineering

THE DEEP ONE

A full planned-maintenance system built by a serving engineer, with the statutory record books an inspector actually asks for.

PLANNED MAINTENANCE

- Equipment register with hierarchy, SFI codes, photos, manuals and spares
- Jobs by **calendar** (days, weeks, months, years) or **running hours**
- **Two-part intervals** — “every 500 h or 360 days, whichever comes first”, the way makers write them
- Per-job reminder lead time, first-due date, criticality and priority
- **Schedule planner** — every job on every machine in one list, grouped by when it is due
- **Batch sign-off** for daily rounds — tick a generator, clear its whole set in one action
- Work orders with parts used, readings taken and automatic stock deduction
- Class-ready maintenance history and a printable PMS report

LOG BOOKS & STATUTORY RECORDS

- **Oil Record Book Part I** — MARPOL Annex I / MEPC.312(74), guided entry, officer→chief→master signing, strike-and-amend, official-format print
- **Ballast Water Record Book** — BWM Convention Reg. B-2
- **ECA fuel changeover log** — MARPOL Annex VI
- Engineers’ watch log book — immutable, chief-countersigned, with alarms and full tank soundings
- **Log schedule** that follows the vessel’s state — manned watches at sea, UMS rounds, anchor, in port, shipyard — and shows what is still open today
- Daily log feeding running hours and consumption automatically

ETO / ELECTRO-TECHNICAL

- Insulation resistance (Megger) testing records
- Battery banks and UPS with test history
- GMDSS and nav-comms statutory radio tests
- Test-instrument calibration register
- Thermographic survey records

CONDITION MONITORING

- Per-machine parameters with normal bands and alarm limits
- **Printable trend report** — baseline, rate of change per day, and how long until a limit is reached
- Verdicts an engineer can act on: Normal · Monitor · Caution · Action
- **Lube-oil consumption** in litres per running hour, flagging a rising trend
- Fluid and oil analysis records
- Running-hours tracking with an **out-of-date warning** — hours-based jobs cannot silently freeze
- Live tank levels on the dashboard, fed from watch soundings

STORES, PURCHASING & PROJECTS

- Inventory with photos, part numbers, suppliers and reorder levels
- Procurement chain: requisition → purchase order → goods receipt
- Consumption analysis and **supply forecasting** that raises requisitions
- Defects register, with corrective work orders that record the parts used
- Certificates & surveys with expiry alerts
- Permits to work and risk assessments (hot work, enclosed space, isolations)
- **Shipyard / drydock** planning — work list, competitive quotes, Gantt, weekly reports
- Accounting, quotations and budget tracking

TOOLS

- **Fuel volume ↔ mass converter** — density and temperature corrected, for bunkering
- Universal unit converter
- Engineering checklists (pre-departure, arrival, black-out recovery)

Bridge & ISM

COMMAND

Voyage performance and the safety-management loop, in the same system as the machinery.

VOYAGE & PERFORMANCE

- Voyage records with distances, ports and passage times
- **Noon reports** — position, distance run, speed, consumption, weather, next port and ETA
- Fuel-per-mile trending — rising consumption at the same speed flags hull and propeller fouling
- Bunker log with lifted quantities, density and bunker delivery notes

SAFETY & ENVIRONMENT

- **Incidents & CAPA** — accidents, incidents, near-misses, observations and hazards in one register
- The ISM loop end to end: find it, fix it, prove it — root cause, corrective and preventive actions, verification and close-out
- Fuel consumption log and **annual CII** reporting
- Vessel particulars, tanks and capacities as the single source of truth

Deck

WATCHKEEPING

The deck side of the official record, kept the same way as the engine room.

RECORDS

- **Deck log book** — watch-based entries with position, course, speed, weather, sea state and events
- Signed off by the officer of the watch; never deleted, only voided with a reason

OPERATIONS

- Watch assignments and roles (OOW, lookout, helmsman, gangway)
- Deck maintenance, tenders and toys through the same PMS engine
- Department dashboard with what is due and what is open

Interior

GUEST-FACING

Housekeeping, guest preferences and the cellar — including a wine module built for a real yacht bar.

HOUSEKEEPING & GUESTS

- Cabins and areas with recurring housekeeping schedules that roll forward on completion
- Guest profiles and preferences, with printable guest sheets for the crew
- Stores and inventory — linen, amenities, uniform and bar stock with movements and reorder printing

WINE CELLAR

- Bottle-level inventory with producer, vintage, region, grape and drink-by window
- **Drink-window flags** — past peak and drink soon — plus cellar value
- **Onboard catalogue of ~15,000 wines** for searching with no internet, and an online lookup when there is signal
- Prices in euro, converted on the European Central Bank daily rate
- Bottle photos taken on a phone camera
- **Food-pairing suggestions** per wine
- Printable **owner's wine menu** in classic service order, with an optional price column

Galley

PROVISIONING

Food safety, menus and the charter budget in one place.

FOOD SAFETY & STOCK

- Provisioning inventory with expiry dates and storage temperatures
- **HACCP** records — temperature logs and food-safety checks

SERVICE

- Recipe library with ingredients, method and **allergens**
- Menu planner — daily meal plans built from the recipe library
- **APA accounts** — charter provisioning budget against actual spend

Purser & Crew

MLC

Employment, rest hours and rotation — the paperwork that a port-state inspector asks for first.

EMPLOYMENT

- Crew register with ranks, certificates and expiry alerts
- **Seafarer Employment Agreements** — official template, issued per crew member, typed e-signatures and a printable signed document
- Off-ship signing: email a ready-to-sign PDF and upload the returned copy as evidence
- Payroll — wage statements and family allotments

COMPLIANCE & PLANNING

- **Hours of rest** checked against MLC 2006 and STCW A-VIII/1, including rest that crosses midnight
- Manager review across the whole crew, with violations flagged automatically
- **Rotation planner** — a timeline of who is aboard, who signs off when, and where the relief gaps are
- Budgets, petty cash and credit-card reconciliation

Owner & Management

READ-ONLY

What the owner or manager sees — the whole picture, without the crew's private data.

OWNER PORTAL

- One dedicated read-only login that can reach nothing else in the system
- Position, itinerary and recent voyages
- Maintenance health, overdue work and open defects
- Certificate and survey status
- Budget against actuals, with variance
- Crew names and ranks only — **no wages, no personal data**

REPORTING

- Printable owner's report for the monthly management pack
- Year-to-date voyages, miles and fuel
- Cellar summary and the guest wine menu

Across every department

SHARED

The parts every department uses — including the AI, which answers from your live data and only what the person asking is allowed to see.

AI ENGINEER ABOARD

- Answers from the vessel's **live data** — defects, stock, hours, certificates, permits, voyages — not from guesswork
- **Permission-aware**: it can only reach what the person asking may already see, and crew personal data is withheld
- Reads **inside your PDFs** — maintenance manuals become searchable
- Drafts defect write-ups, permits, procedures and reports
- Proposes tasks, defects and requisitions for a human to confirm — it never writes on its own
- Daily brief by email each morning
- Remembers vessel-specific corrections you give it
- Uses your own API key, billed to you, with a monthly budget cap

RUNNING THE SYSTEM

- **One-click updates** from the app, with automatic rollback — plus an offline update from a file when there is no internet
- **Automatic backups** — daily, weekly, monthly and yearly, mirrored to a second location, including all photos and documents
- Printable **disaster-recovery** procedure for restoring the vessel
- Roles and permissions per department; the admin account never sees crew wages by accident
- Self-service password change and offline password recovery
- Per-vessel licence, and your data stays yours

EVERYDAY TOOLS

- **Tasks** — cross-department to-dos with comments
- **Document library** with version control and full-text search
- **Inspections & audits** — reusable templates, scheduled rounds, pass/fail per item, findings that raise an incident
- Printing everywhere: work orders, POs, permits, guest sheets, record books, owner reports
- Works on phone and tablet in the engine room; dark and light themes
- Illustrated in-app user manual

Built around the rules, not bolted on afterwards

Keelson keeps the record books in the form an inspector expects, with signatures, immutability and official printing.

MARPOL ANNEX I

Oil Record Book Part I — MEPC.312(74)

BWM CONVENTION

Ballast Water Record Book, Reg. B-2

ISM CODE

Incidents, CAPA, inspections and audits

MARPOL ANNEX VI

ECA fuel changeover log

MLC 2006 / STCW

Hours of rest and seafarer agreements

CLASS PMS

Hours-based survey scheduling and maintenance history

