Jaghleh | ZMi HOLDINGS

FLEET OPERATIONS · FEATURES PROPOSAL

Your fleet.
One live operating view.
powered by AI

The whole fleet, in one live view.

FLEET · VESSEL · FUEL · ENERGY · COST · ALERTS



PREPARED FOR ZMI HOLDINGS · TUESDAY 1 SEPTEMBER 2026

WHY IT MATTERS

What HQ cannot see today

Fuel

is a delivery total, not a machine

HQ knows how much fuel came aboard. It does not know which machine burned it.

Late

exceptions stay on the vessel

A machine is already down, a temperature already high — HQ hears it on the next call, not when it starts.

No proof

when someone asks why

Clients and auditors want named-machine fuel. A month-end tank figure is not an answer.

WHAT JAGHLEH DOES

What Jaghleh does on this fleet

Real-time monitoring
Live kW and energy today on the named machine — not a ship total.

Cat 3512B · 185 kW now · 3.6 MWh

Advanced analytics
Working vs standby baselines. Jacked-up is never treated as idle.

Crane +14% vs working band

Fuel & cost tracking
MGO as t/h, tonnes today, tank %, cost and CO2 by vessel.

Gladiator 1.4 t today · tanks 64%

Equipment health
Online, stale or offline on every device — last-seen, not guessed.

DG2 offline since 01:41

Smart alerts
Threshold alarms to Telegram and email, named to a vessel.

Owner assigned · no vessel control

AI chat assistant
Ask in plain language. The answer comes from live meters.

“Standby fuel, 7 days” → 6.8 t

One-click reports
PDF or Excel for a vessel or the fleet — in seconds.

Daily PDF · named devices

Connects to anything
Modbus, PLC, AIS or a gateway on the vessel.

MQTT to HQ · same names

HOW IT WORKS

Connected from vessel to HQ

Four steps: meters on the machine, a gateway on the vessel, Jaghleh Cloud, then the same screens at HQ.



01 · ON THE VESSEL

On-board sensors

Modbus, PLC or a pulse meter on the Cat 3512B, crane HPU, compressor, HVAC and fuel flow. Each reading is named to a device — not a ship total.



02 · STILL ON THE VESSEL

Gateway on the vessel

A small industrial box next to the switchboard. It polls the meters, stores hours if sat or LTE drops, then forwards on the next link. No control output.



03 · CLOUD LINK

Jaghleh Cloud

VSAT or LTE into Jaghleh Cloud. One place for history, alerts and the Book. Always on — even when a vessel is buffered.



04 · HEADQUARTERS

Your dashboard

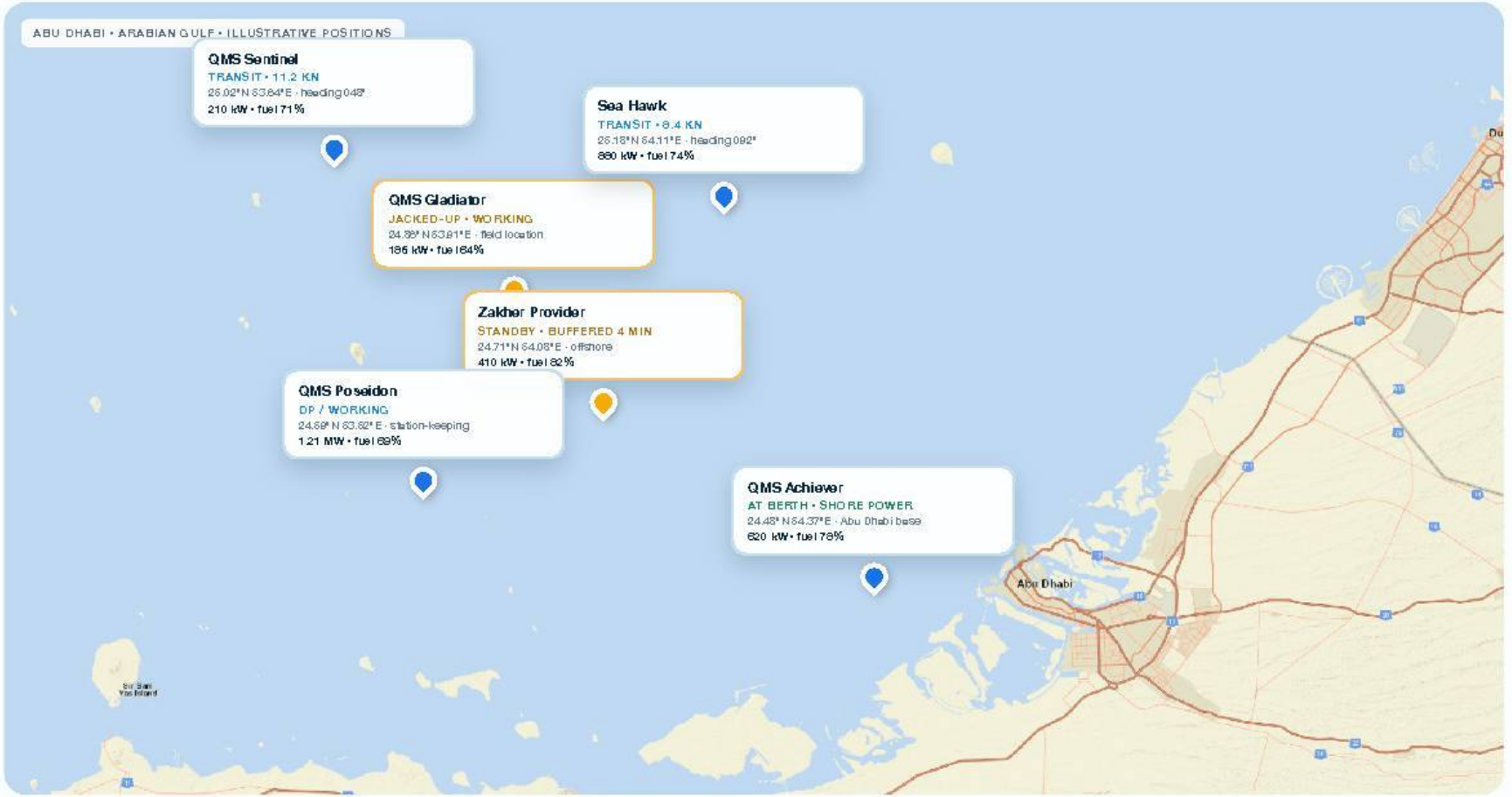
HQ sees the fleet map, the vessel cutaway and the fuel pie — the same screens as the next slides.

FLEET MAP · POSITION, POWER, FUEL, EXCEPTIONS

Where every vessel is — and what it is doing

CONCEPT VIEW · ILLUSTRATIVE VALUES

VESSELS ONLINE	AT BERTH	WORKING / OFFSHORE	FLEET POWER NOW	OPEN EXCEPTIONS
12	3	8	14.2 MW	2



Select vessel — Open blue print



QMS Achiever
ONLINE · BERTH
620 kW · fuel 78%



QMS Gladiator
ONLINE · WORKING
186 kW · aux. high



QMS Sentinel
ONLINE · TRANSIT
210 kW · 11.2 kn



Zakher Provider
BUFFERED · STANDBY
410 kW · last sync 4 min



QMS Poseidon
ONLINE · DP
1.21 MW · fuel 69%

+ more vessels in the operating fleet —

Click a pin or a row to open that vessel. Positions and values on this slide are illustrative — not live ZMI data.

FLEET FUEL · TONNES TODAY, NAMED TO EACH VESSEL

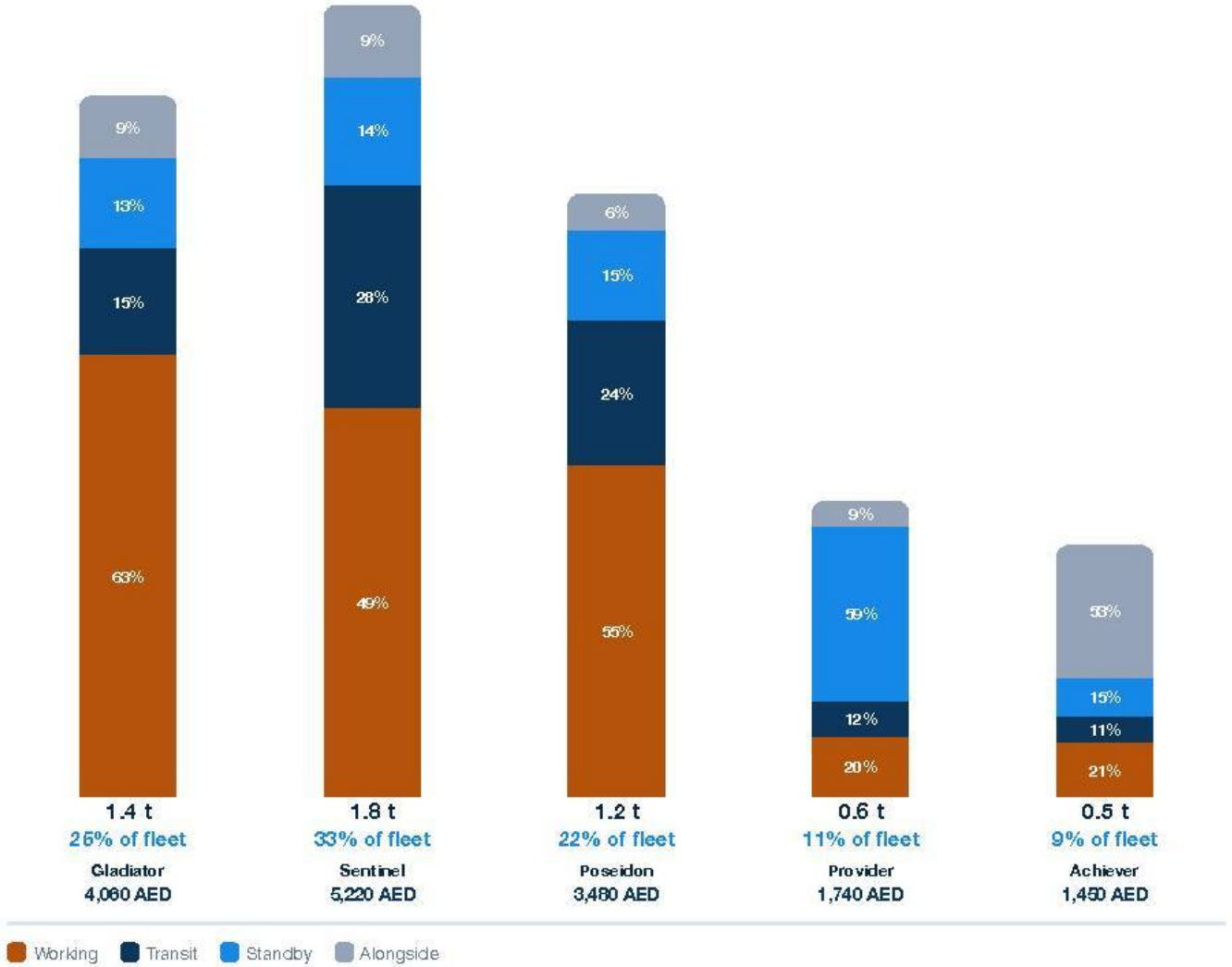
How much fuel each vessel burned

An overview of how much fuel each vessel consumed, and in which state — working, transit, standby or alongside. Cost is shown in AED under each ship.

Fuel today by vessel · share of the 5.5 t fleet total

5.5 t TODAY · ILLUSTRATIVE

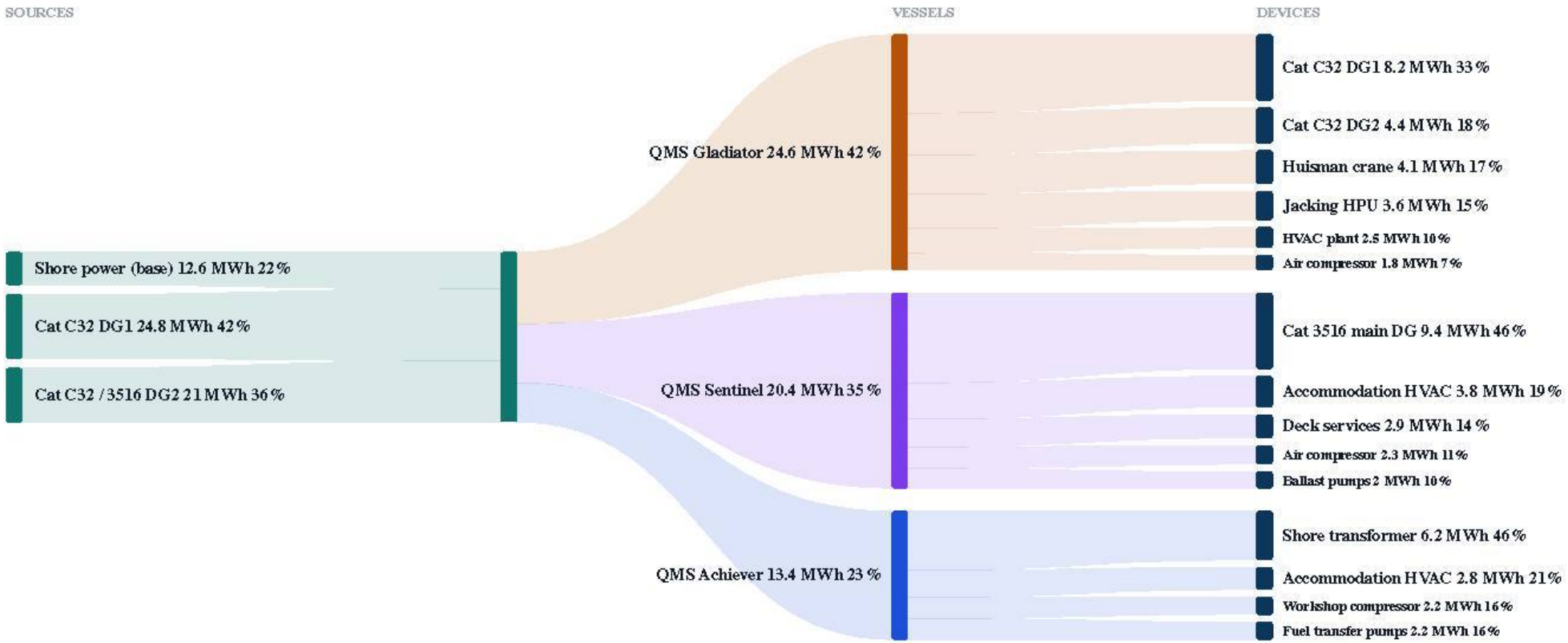
Bar height = tonnes · % on each colour = share of that vessel · AED under each name · % = share of the 5.5 t fleet



FLEET ELECTRICITY · SHORE + GENSETS → VESSELS → MACHINES

Where today's 64.0 MWh went

64.0 MWh TODAY · ILLUSTRATIVE



Left is who generated it. Middle is which vessel used it. Right is the named machine. Percent is share of that column.

ONE VESSEL · NAMED MACHINES ON THE HULL

Leave the fleet. Open one ship

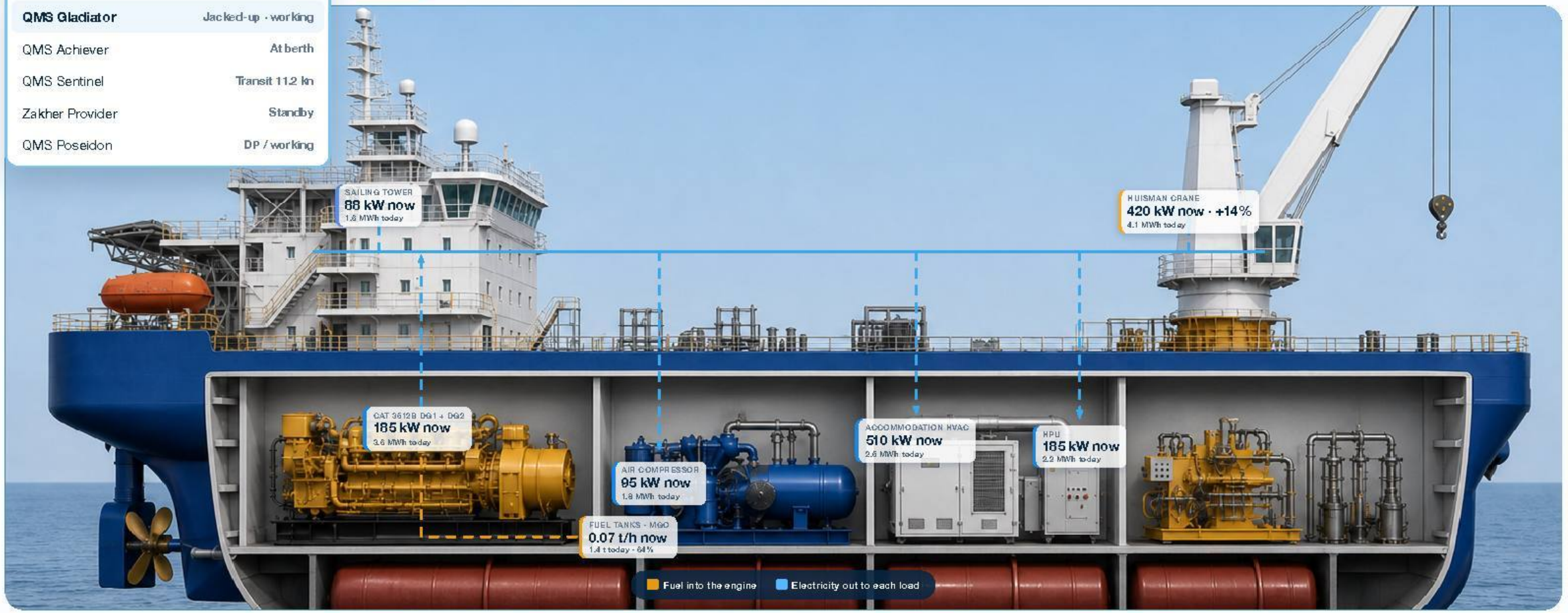
CONCEPT VIEW · ILLUSTRATIVE VALUES

SELECT VESSEL · SWITCH THE VIEW

QMS Gladiator ▲

QMS Gladiator	Jacked-up · working
QMS Achiever	At berth
QMS Sentinel	Transit 11.2 kn
Zakher Provider	Standby
QMS Poseidon	DP / working

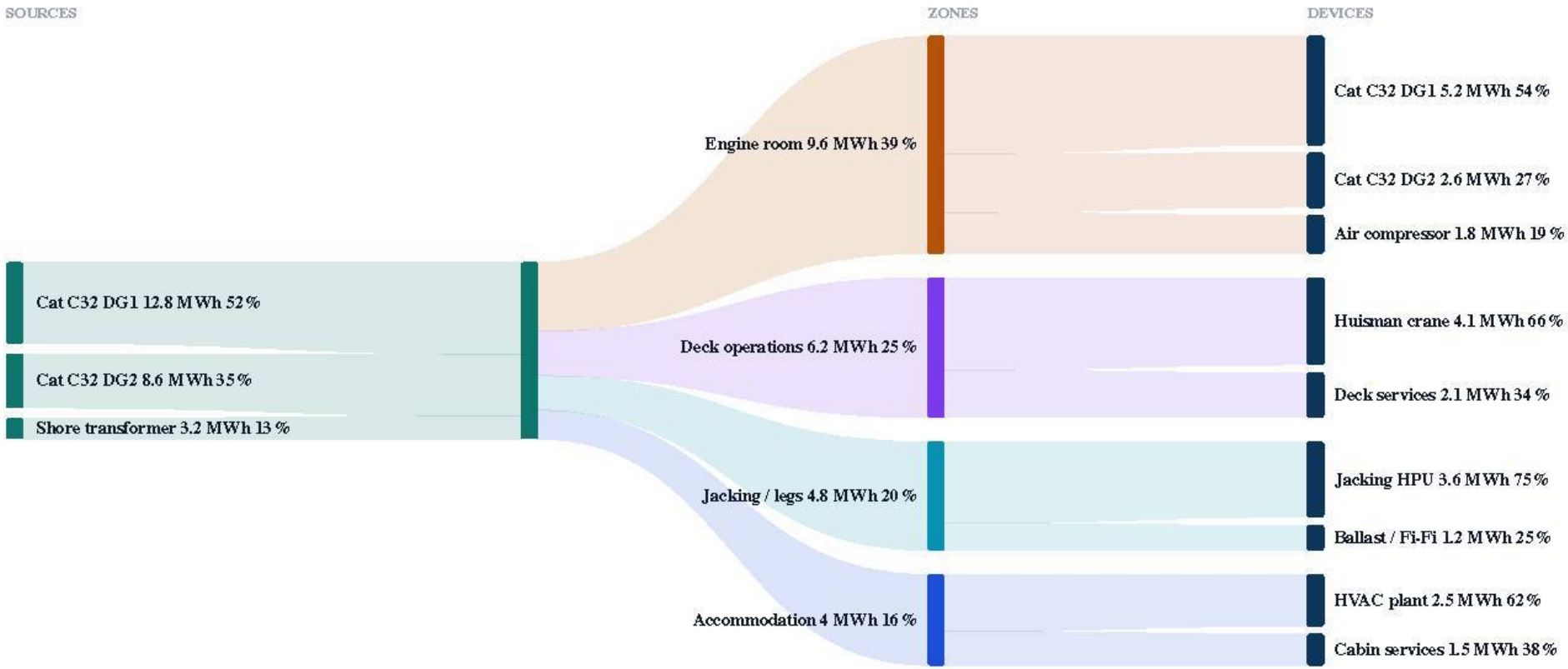
Gladiator | Achiever | Sentinel | Provider | Poseidon | + fleet



QMS GLADIATOR ONLY · ENGINE ROOM, DECK, JACKING, ACCOMMODATION

Where Gladiator's 24.6 MWh went

24.6 MWh TODAY · ILLUSTRATIVE

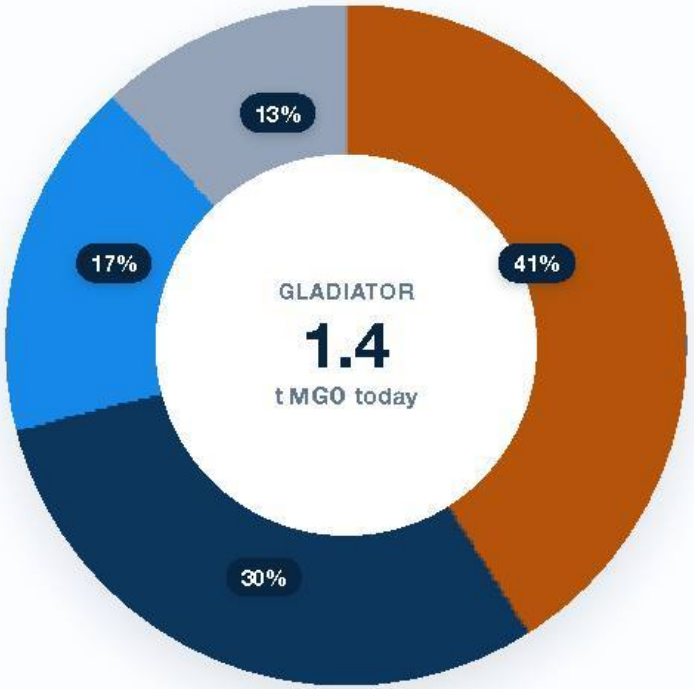


Same Sankey as the fleet slide, limited to Gladiator. Percent on the right is share of that zone.

QMS GLADIATOR · 1.4 T TODAY · CAT 3512B DG1 + DG2

Which machines burned this vessel's MGO

1.4 t TODAY · ILLUSTRATIVE



Cat 3512B DG1 Carrying crane + HVAC	**0.7 t** 50%
Cat 3512B DG2 Second genset · both online	**0.4 t** 29%
Thermal oil heater Accommodation and tank heating	**0.2 t** 14%
Incinerator Waste oil · own burner, not the DGs	**0.1 t** 7%

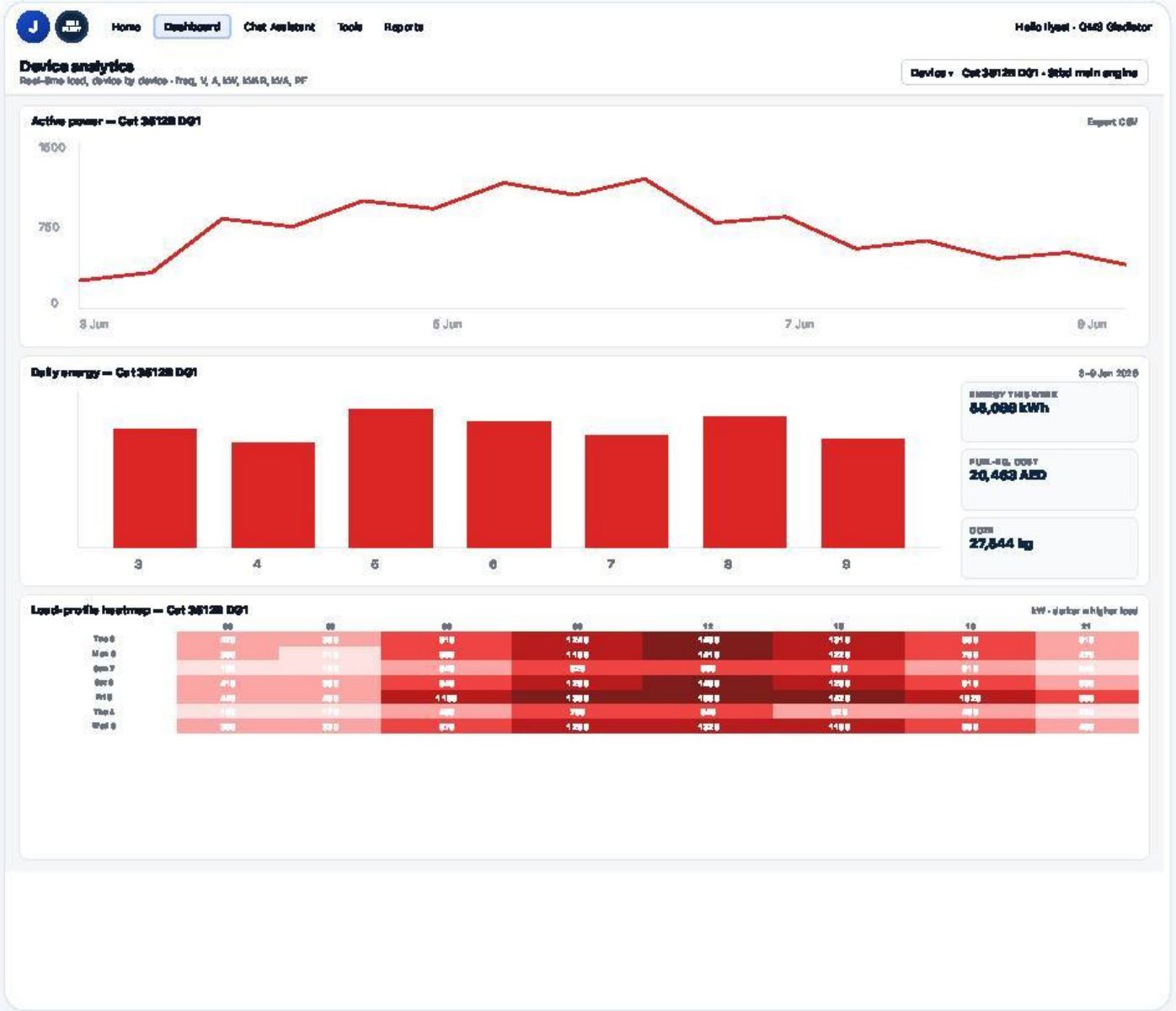
One vessel, four machines. Missing hours stay blank. Open the next slide for DG1 kW, kWh and the heatmap.

DEVICE ANALYTICS · CAT 3512B DG1

One engine: live kW, daily kWh, heatmap

Pick Cat 3512B DG1 on Gladiator. The line, bars and heatmap are that engine only — not a ship total.

- **Active power** — the week on one line, named to Stbd main engine
- **Daily energy** — 55,088 kWh · 20,463 AED · 27,644 kg CO2e
- **Heatmap** — which hours the engine was working, not a ship total
- **Same meters** — freq, V, A, kW, kVAR, kVA, PF



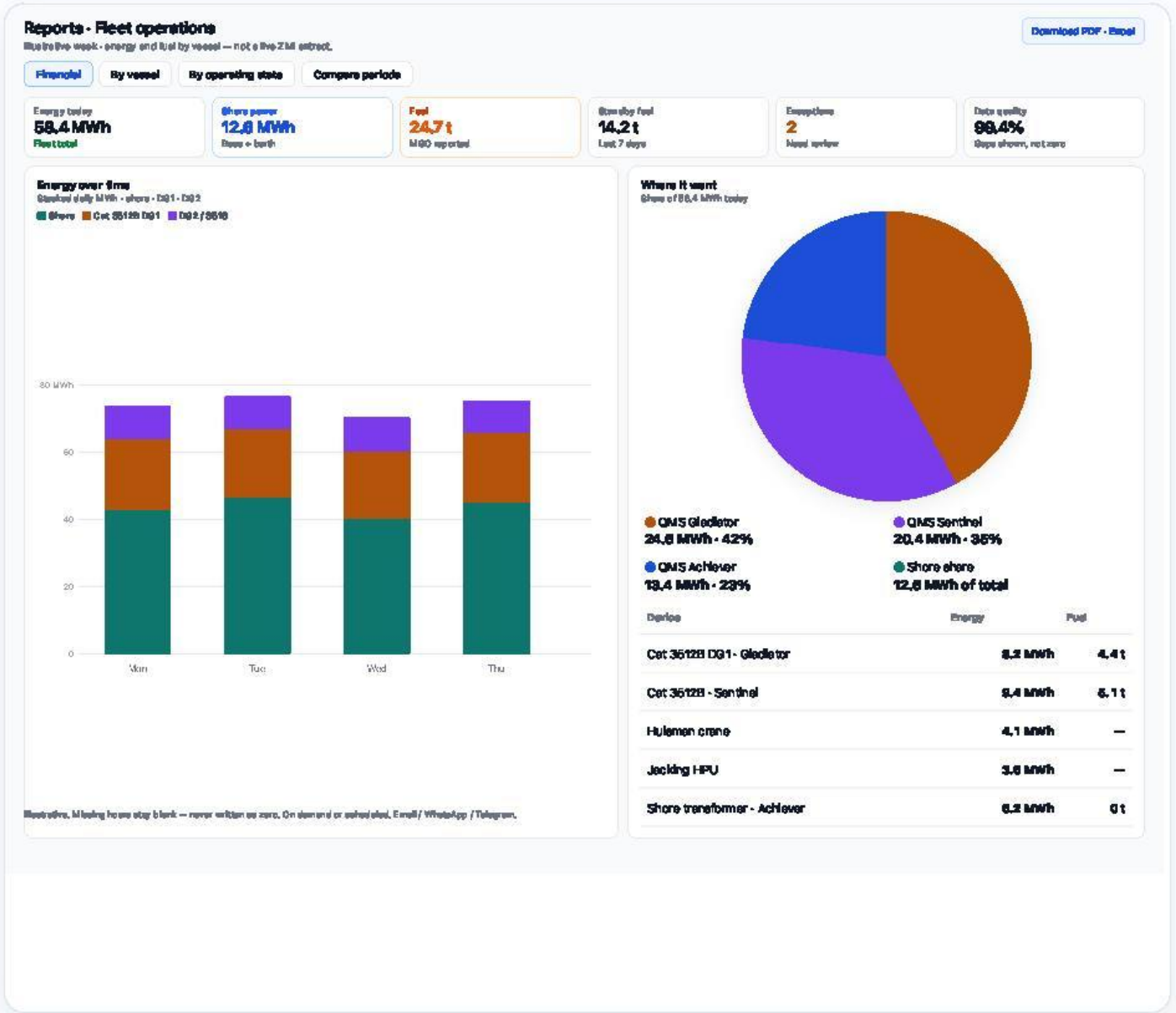
REPORTS · PDF AND EXCEL

The same numbers, as a file

Build a daily, weekly or monthly report from the live meters — by vessel and by machine — and send it out.

- **Now** — bars and named devices in MWh and tonnes
- **By machine** — Cat 3512B, crane, HVAC, not one raw total
- **On a schedule** — daily, weekly or monthly
- **Sent** to Email, WhatsApp and Telegram

Email · WhatsApp · Telegram



TOOLS ALREADY IN JAGHLEH

Set a threshold. Alerts go out on their own.

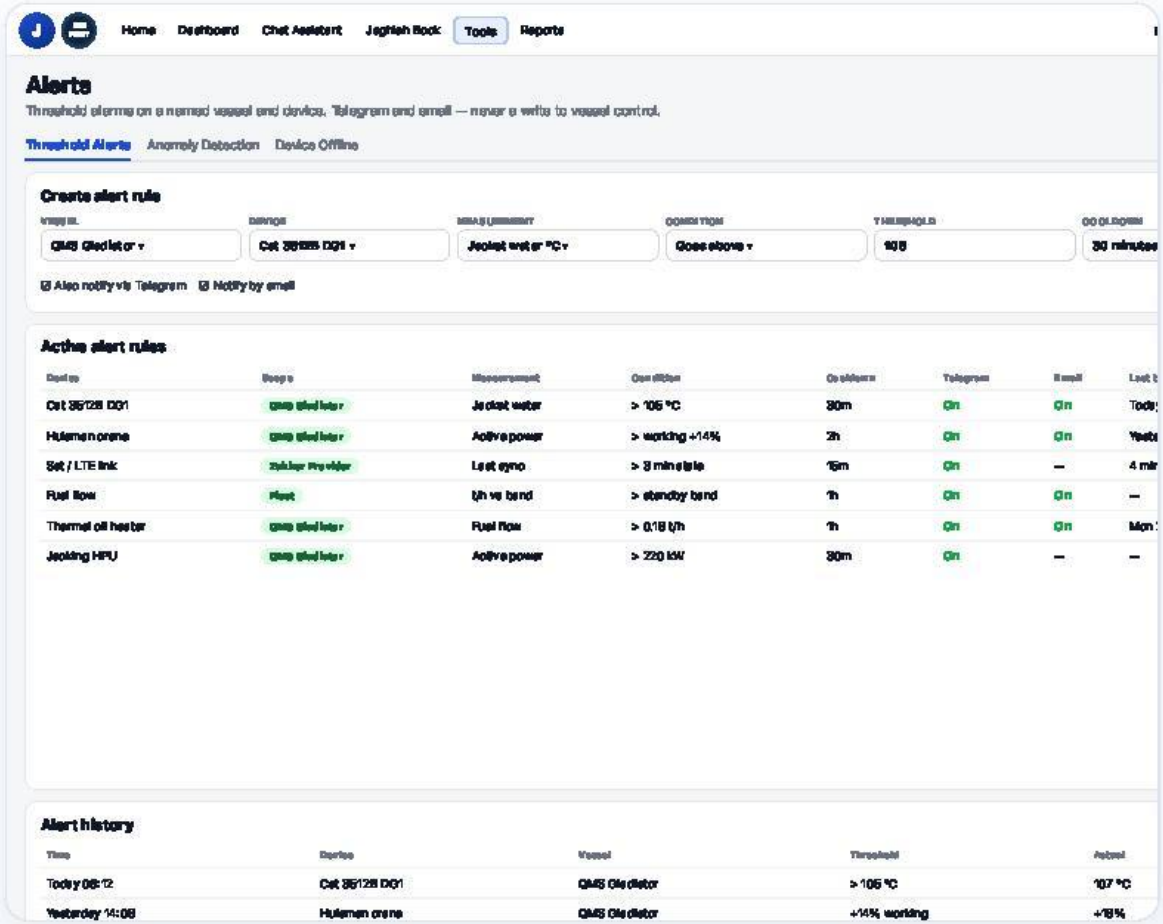
Write the rule once. When it fires, Telegram or email is sent automatically — named to the vessel. Right: every device as online, stale or offline.

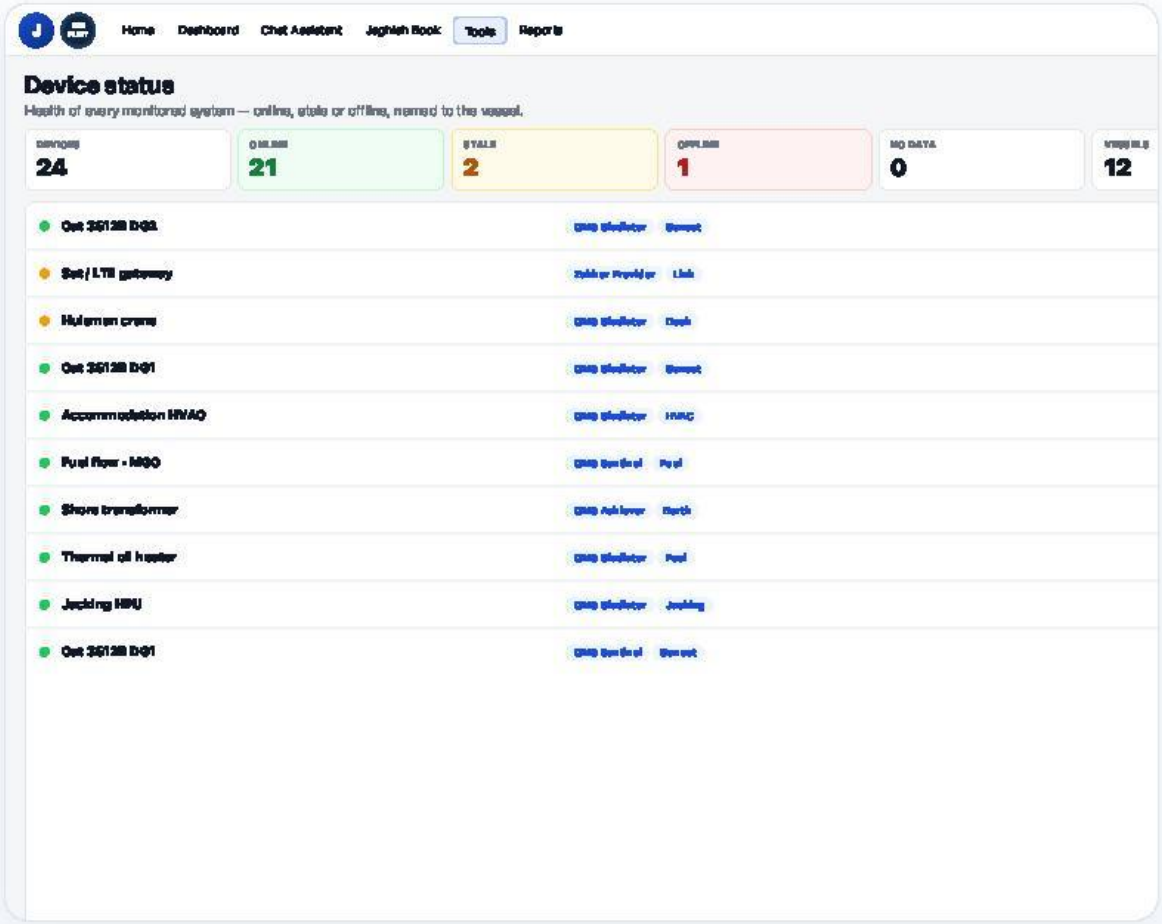
Threshold
Goes above 105 °C on Cat 3512B DG1

Sent automatically
Telegram or email when the rule fires

Device offline
DG2 last seen 01:41 — red, not silent

Last-seen
Stale 4 min is syncing, not 0 kW



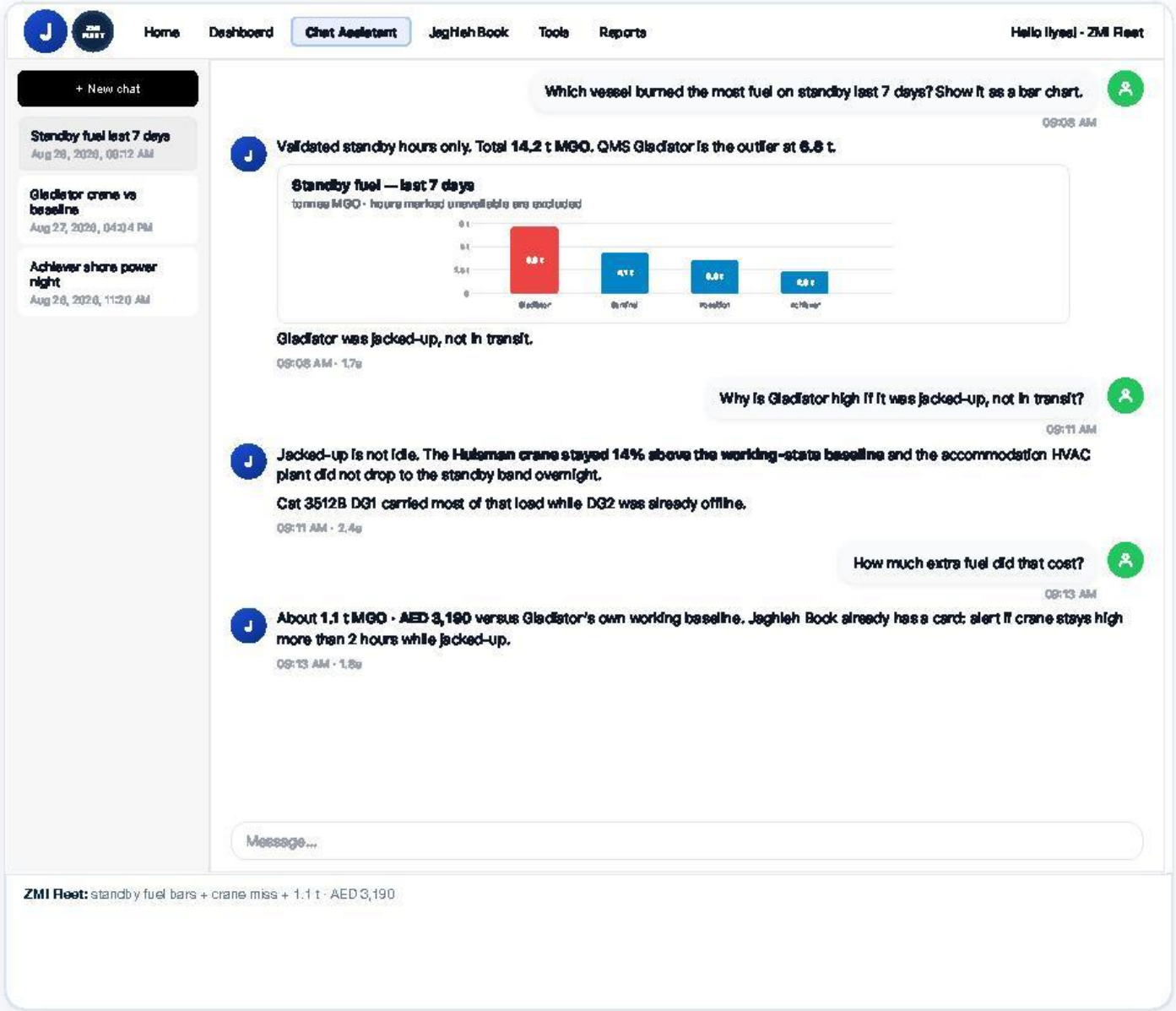


CHAT · ANSWERS FROM LIVE METERS

Ask the fleet in plain language

Type a question. The reply is a chart and tonnes from the meters — named to the vessel and the machine.

- **Standby fuel last 7 days** → bar chart, Gladiator 6.8 t
- **Why Gladiator high?** jacked-up, not idle — crane +14%
- **How much did it cost?** 1.1 t MGO · AED 3,190
- **How to avoid it** — Book alert while jacked-up



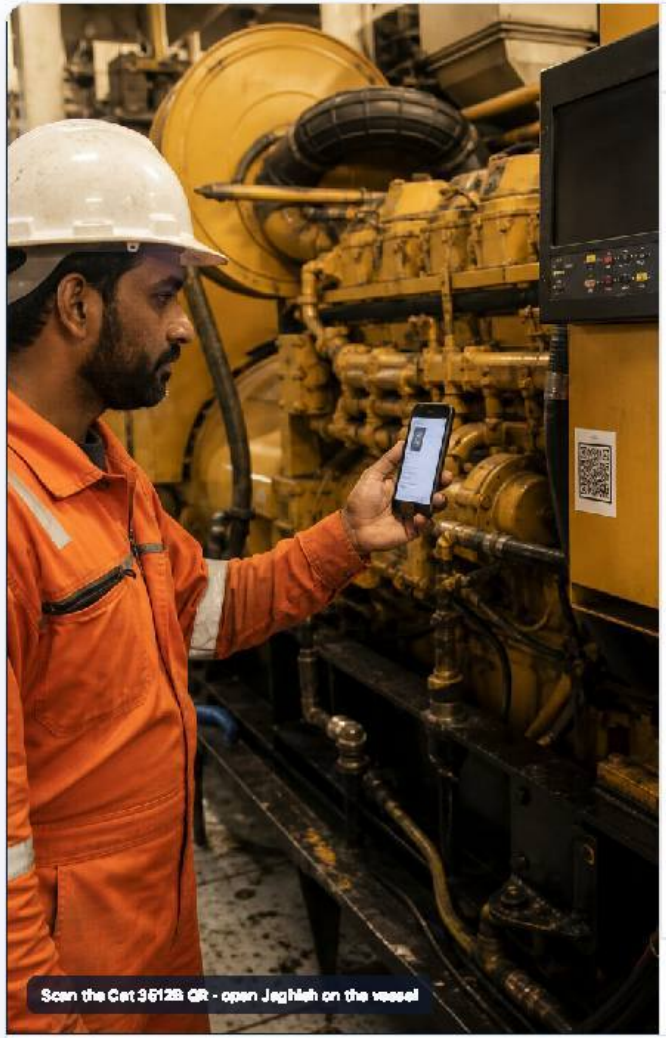
ZMI Fleet: standby fuel bars + crane miss + 1.1 t · AED 3,190

ON BOARD · QR + THE MANUAL

Scan the engine. Ask the manual.

Scan the QR. The answer comes from the handbook plus the live reading.

- **Why it tripped** — 107 °C, above the 105 °C limit
- **How to restart** — 5 steps from the manual · §6.2



Chat Assistant · Cat 3512B DG1
Meter + engine manual (RAG)

Why did this engine trip?

High jacket water — **107 °C** at 02:13. Manual limit is 105 °C.

How do I restart it?

From the manual, in this order:

1. Cool jacket water below 90 °C
2. Confirm sea-water pump flow
3. Reset the high-temperature fault
4. Start unloaded for 5 minutes
5. Do not load crane or HVAC yet

Manual · §6.2 High-temperature shutdown → open PDF

Ask about the Cat 3512B or open the manual...

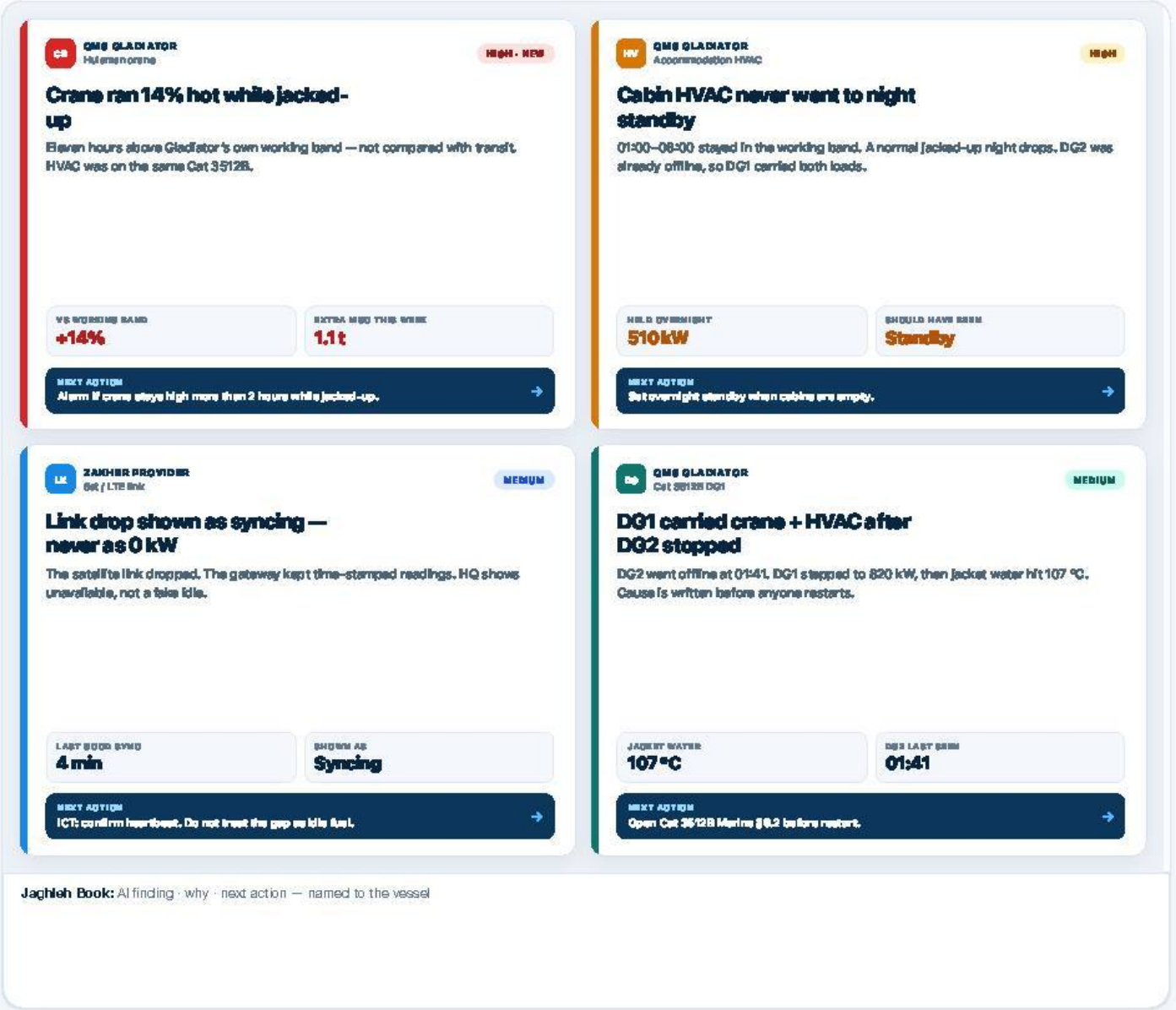
QR on the engine · cause, then restart from the manual

JAGHLEH BOOK · AI WATCHES THE METERS

AI watches the data and investigates

AI reviews the meters every day, finds the problem, and writes the next step. Each card is a vessel, a machine, a number, and what to do.

- **Crane** — +14% vs working band · 1.1 t extra MGO
- **HVAC** — overnight never went to standby
- **Provider** — 4 min drop shown as syncing, not zero
- **Cat 3512B** — DG1 carried the ship · 107 °C trip



CUSTOMER PROOF

Same product, already live

These sites run Jaghleh today. Marine uses the same software — vessels and berths instead of a plant.

Sammatz
Sammatz, Germany · Village

Siniora Food
Sahab, Jordan · Food processing

Albarakeh Food
Al Jizah, Jordan · Food processing

Al-Sakhaa Hospital
Irbid / Ramtha, Jordan · Hospital

RAM Pharmaceuticals
Sahab, Jordan · Pharmaceuticals



Where we work: Germany · Libya · Jordan — map from IE Company Profile

Michaelshof GmbH
Sustainable agriculture and energy solutions
Sammatz, Germany · Agricultural & Energy

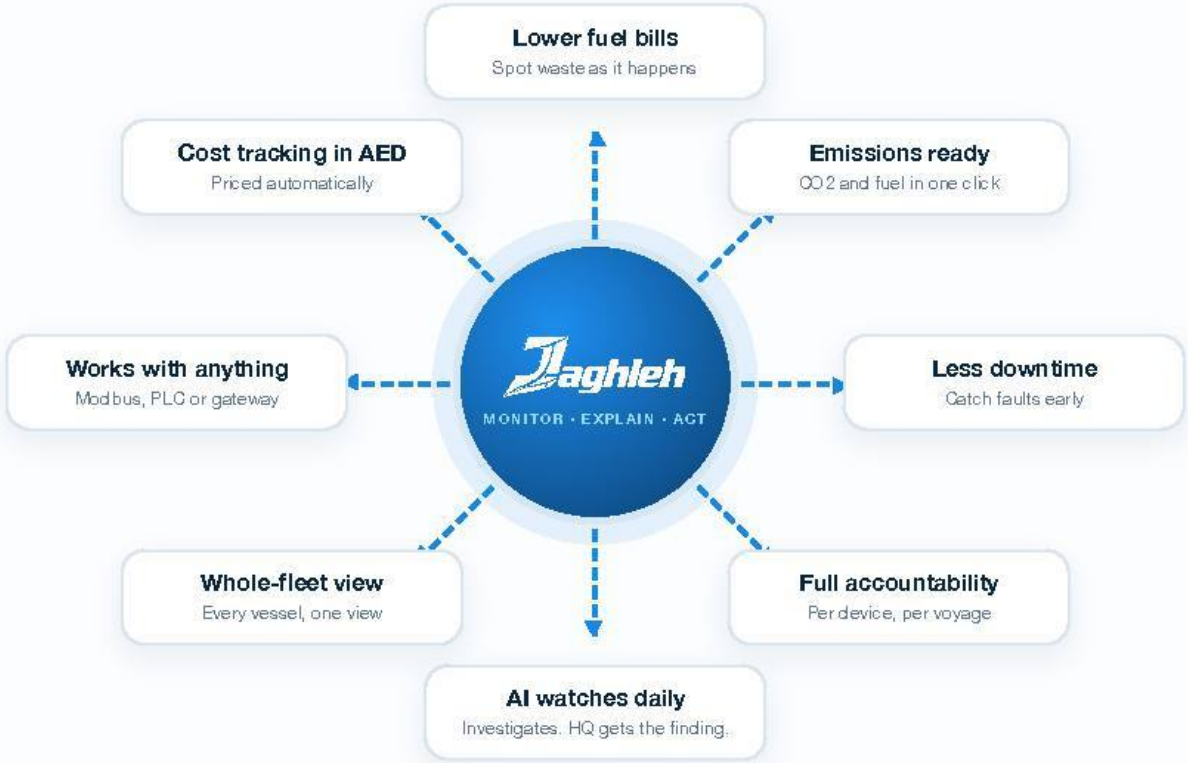
★★★★★

"Jaghleh has revolutionized how we monitor and optimize our energy systems at Michaelshof. The real-time insights help us manage our agricultural operations more efficiently, and the AI-powered analytics have enabled us to reduce energy costs significantly while maintaining optimal production levels."

— Malte Behr
Michaelshof GmbH

FROM DAY ONE

What the fleet gets from day one.



Industrial Energies (IE)

From founding to impact
in under two years

THANK YOU

We appreciate your time and interest.
Together, we power a sustainable future.

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