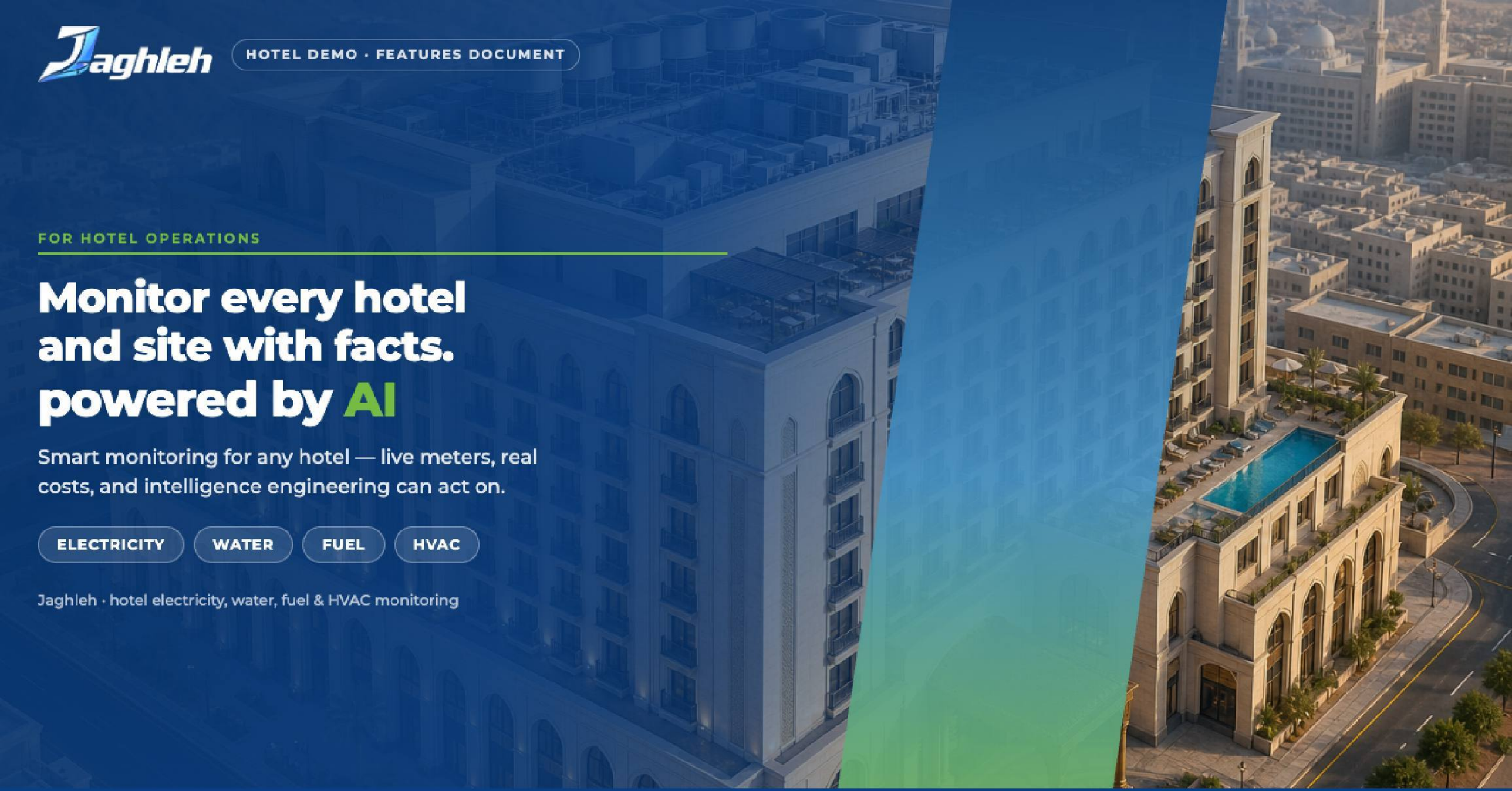


FOR HOTEL OPERATIONS

Monitor every hotel and site with facts. powered by AI

Smart monitoring for any hotel — live meters, real costs, and intelligence engineering can act on.

ELECTRICITY | WATER | FUEL | HVAC

Jaghleh · hotel electricity, water, fuel & HVAC monitoring

WHAT JAGHLEH DOES

One platform from the meter to the action

Built for hotel engineering — know usage by zone, explain costs, and act from live meter data.

Powered by AI — ask plain-language questions over live meters, scan a machine QR, and open Jaghleh Book cards the night shift can act on.

1

METER

A meter per hotel, zone and utility

Know exactly what each zone uses — electricity, water, fuel and HVAC.

2

OVERVIEW

Live hotel overview

See today's power, water, fuel and HVAC across the whole hotel on one 3D map.

3

INVESTIGATE

Dashboards and financials

Bars, pies, and a report per zone — cost in SAR next to usage.

4

ACT

AI, RAG and Jaghleh Book

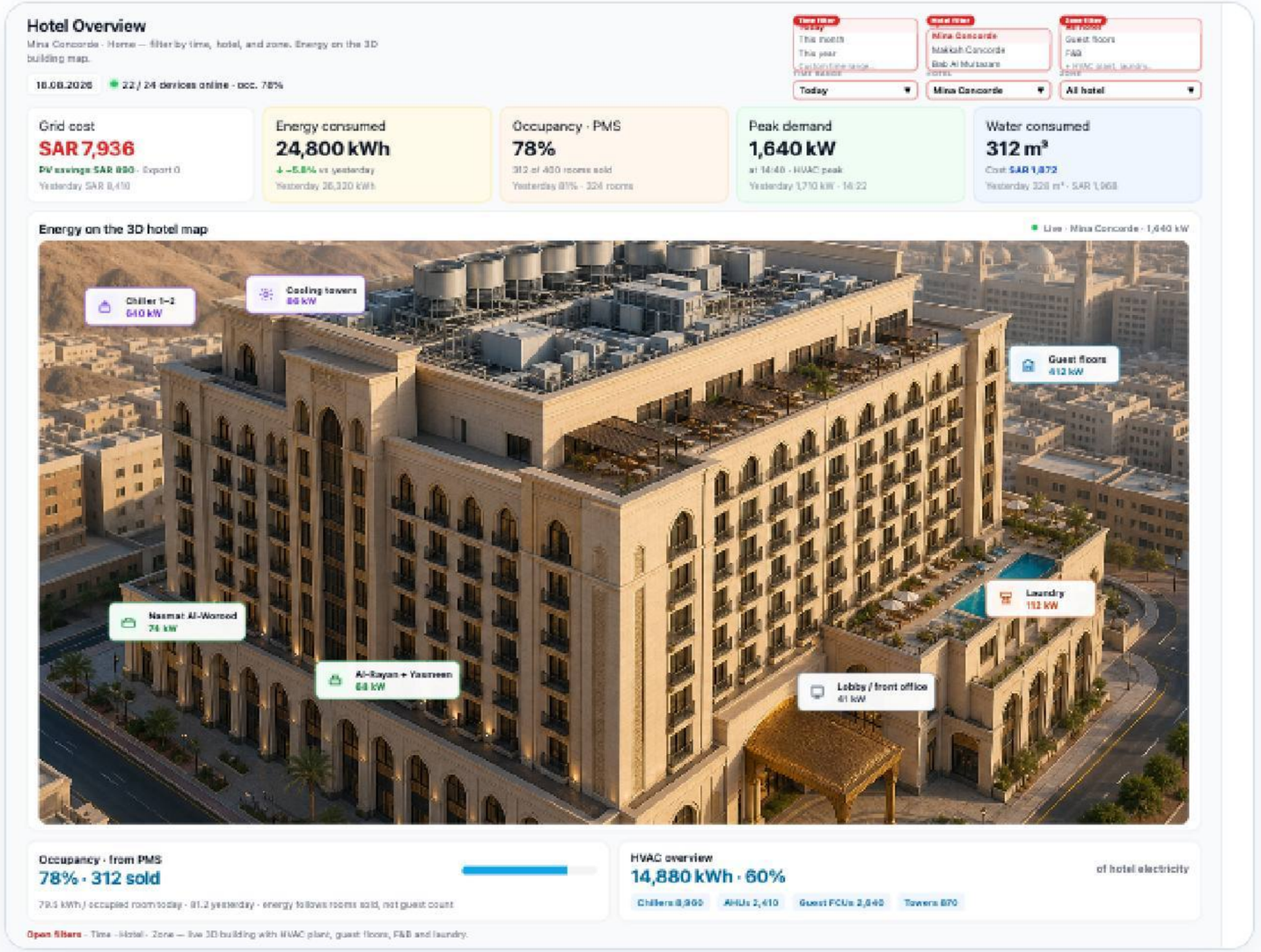
Ask why. Scan a QR. Open a card. Fix it before the next shift.

HOTEL OVERVIEW

Your hotel on one live 3D map

Open the day with a clear picture of power, water and HVAC — before guests call.

- **Live 3D hotel map** — HVAC plant, guest floors, F&B, laundry, lobby
- **SEC + PV + genset** — where energy flows
- **Time · Hotel · Zone** — Mina, Makkah Concorde, Bab Al Multazam
- **KPIs in SAR** — energy, water, occupancy and HVAC at a glance
- **Occupancy + HVAC cards** under the map — rooms sold, chillers, FCUs, AHUs

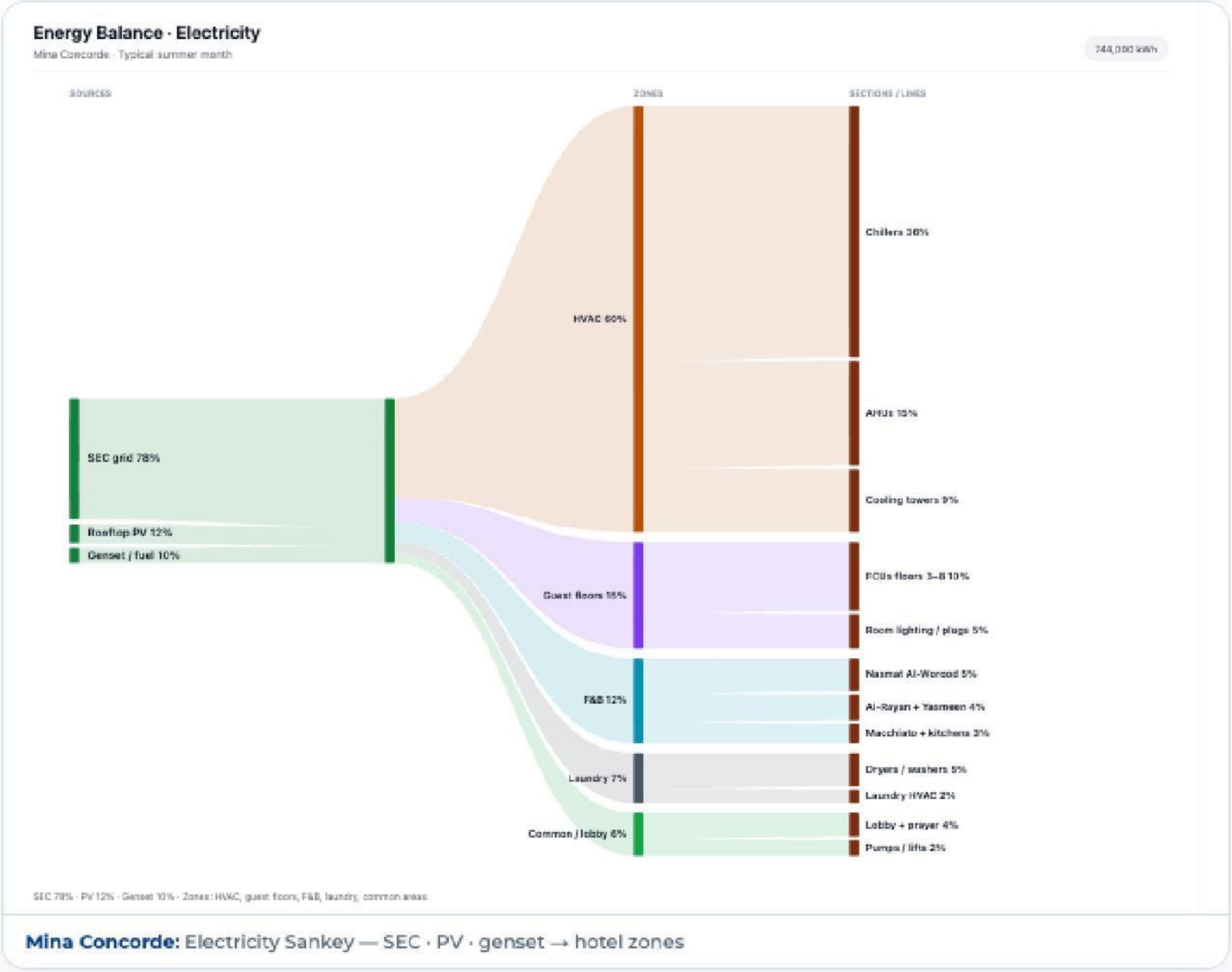


ELECTRICITY BALANCE

Where power comes from — and where it goes

A clear map from SEC, rooftop PV and genset into hotel zones.

- **Sources:** SEC grid + rooftop PV + genset / fuel
- **Zones:** HVAC, guest floors, F&B, laundry, common areas
- **Sections:** chillers, FCUs, Nasmat Al-Worood, Al-Rayan, laundry



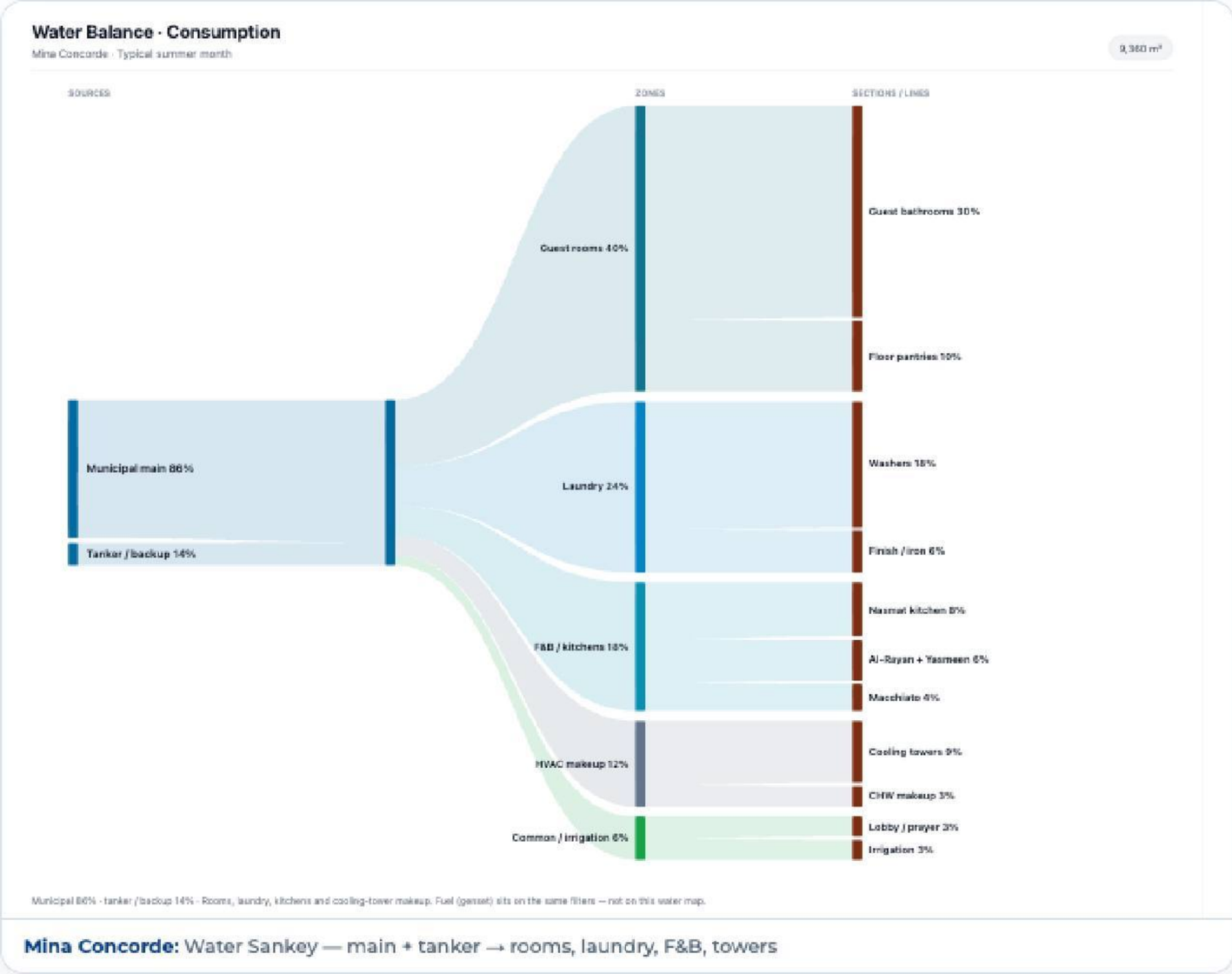
Mina Concorde: Electricity Sankey — SEC · PV · genset → hotel zones

WATER BALANCE

Same story for water and fuel

Main supply into the hotel, then into rooms, laundry, kitchens and cooling towers. Fuel sits on the same filters.

- **Sources:** municipal main + tanker / backup
- **Heavy users:** guest rooms, laundry, kitchens, cooling-tower makeup
- **Fuel** — genset litres, next to electricity and water



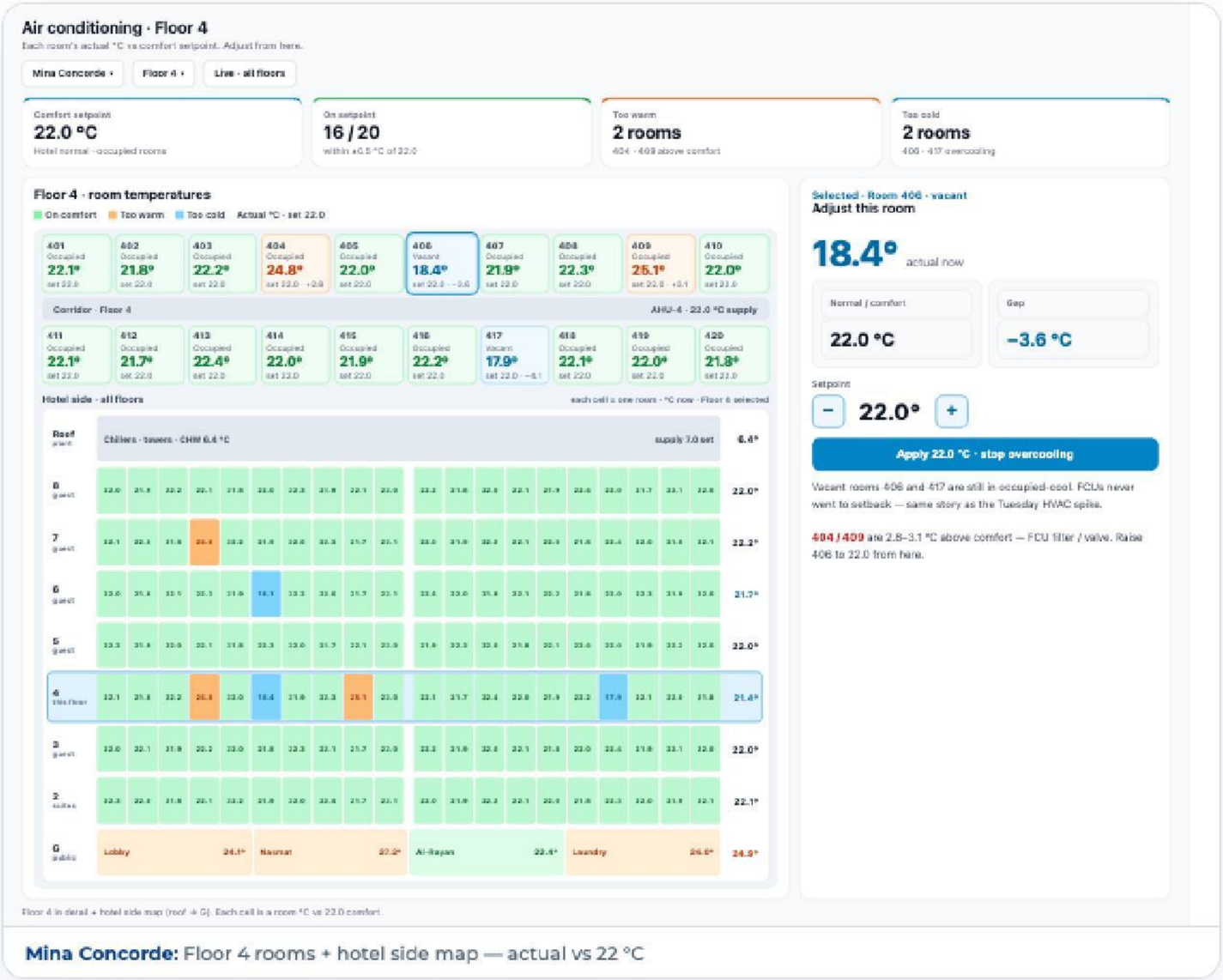
Mina Concorde: Water Sankey — main + tanker → rooms, laundry, F&B, towers

AIR CONDITIONING

Every room. Actual vs comfort 22 °C

See each room's temperature, compare it to the normal setpoint, and adjust from the screen.

- **Hotel side map** — every floor, every room °C, Floor 4 selected
- **Normal 22.0 °C** vs actual — green on setpoint, orange too warm, blue too cold
- **Adjust** — selected vacant room 406 is 18.4 °C; raise setpoint from here
- **2 vacant rooms overcooling** — same FCU setback miss as the AI chat



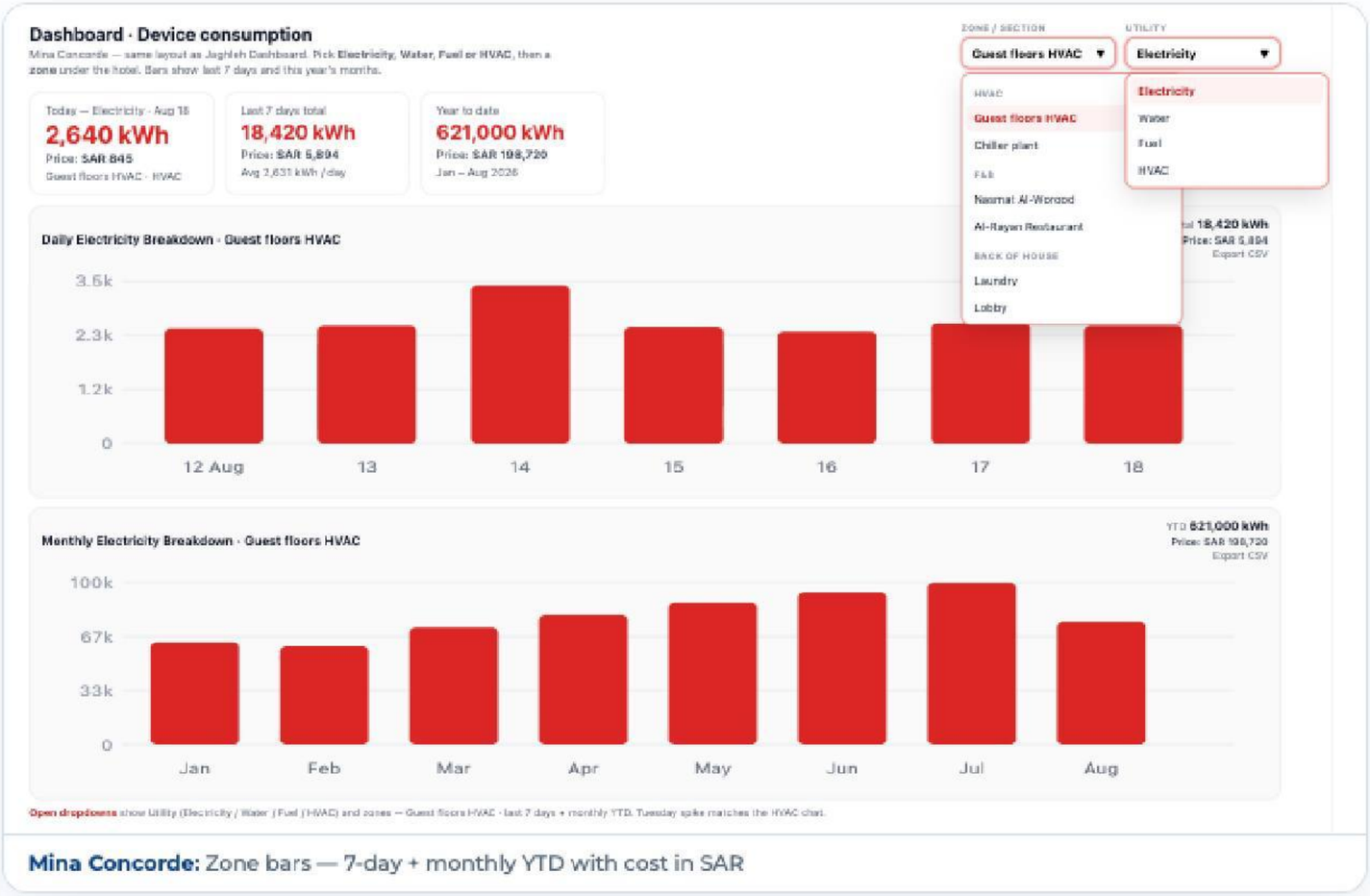
Mina Concorde: Floor 4 rooms + hotel side map — actual vs 22 °C

PER-SECTION DASHBOARD

See any zone. Usage and cost in SAR

Open a hotel, floor or F&B outlet and see what it used and what it costs — any utility, any period.

- **Choose a zone** under its hotel
- **Electricity, Water, Fuel or HVAC** — one dropdown
- **Last 7 days + monthly year-to-date**
- **Cost in SAR** next to usage



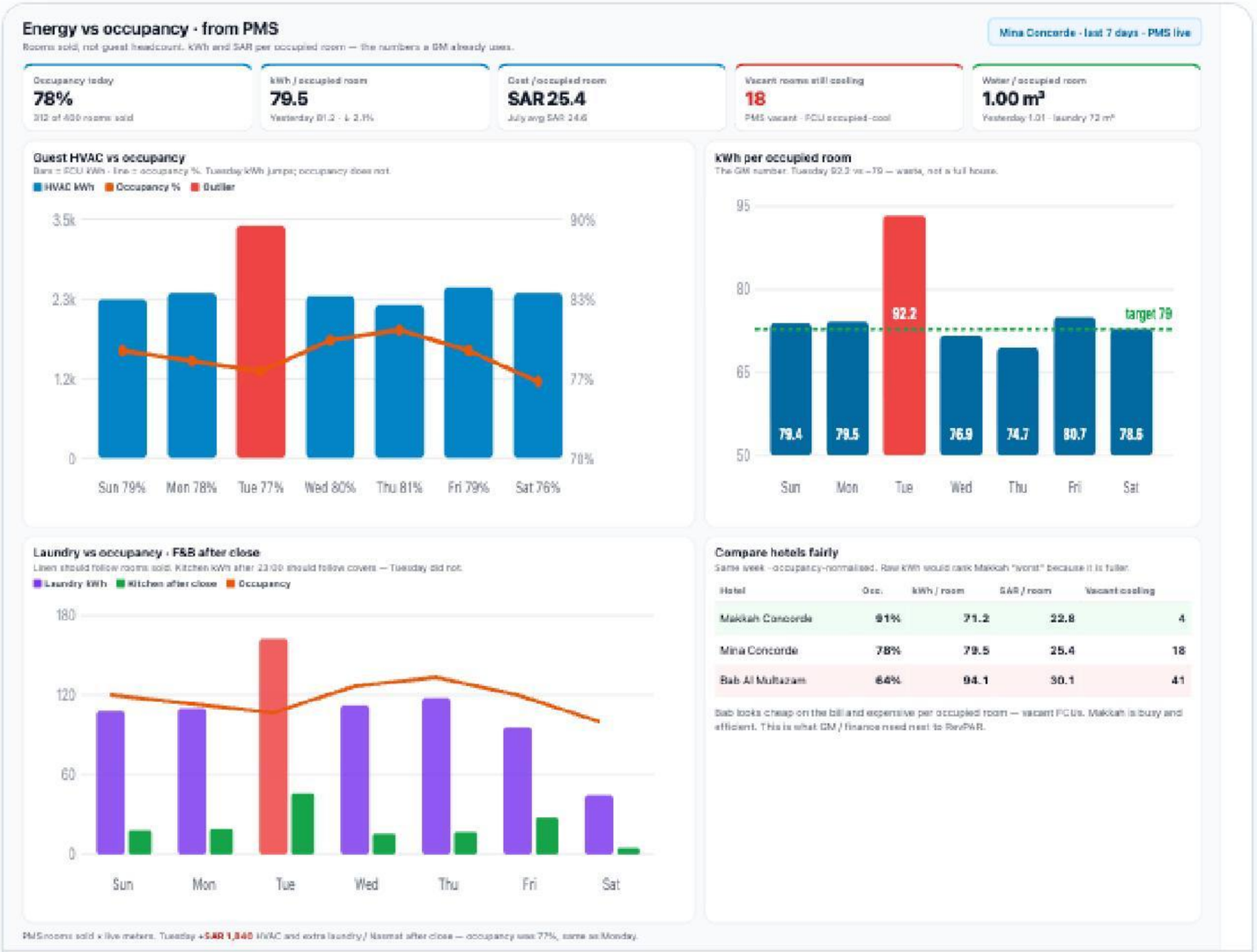
Mina Concorde: Zone bars — 7-day + monthly YTD with cost in SAR

ENERGY × OCCUPANCY

kWh next to rooms sold

Hotel managers already live in occupancy. Jaghleh puts meters next to the PMS so a full house is not mistaken for waste.

- **kWh / occupied room** — Tuesday 92.2 vs ~79 on the other days
- **Cost / occupied room** — SAR 25.4 today · finance's number
- **HVAC vs occupancy** — same 77–78%, extra 890 kWh
- **Laundry + F&B** — linen and kitchen after close should follow occupancy / covers
- **Fair hotel compare** — Mina vs Makkah vs Bab Al Multazam, occupancy-normalised



Mina Concorde: occupancy vs HVAC, kWh/room, laundry, F&B, 3-hotel compare

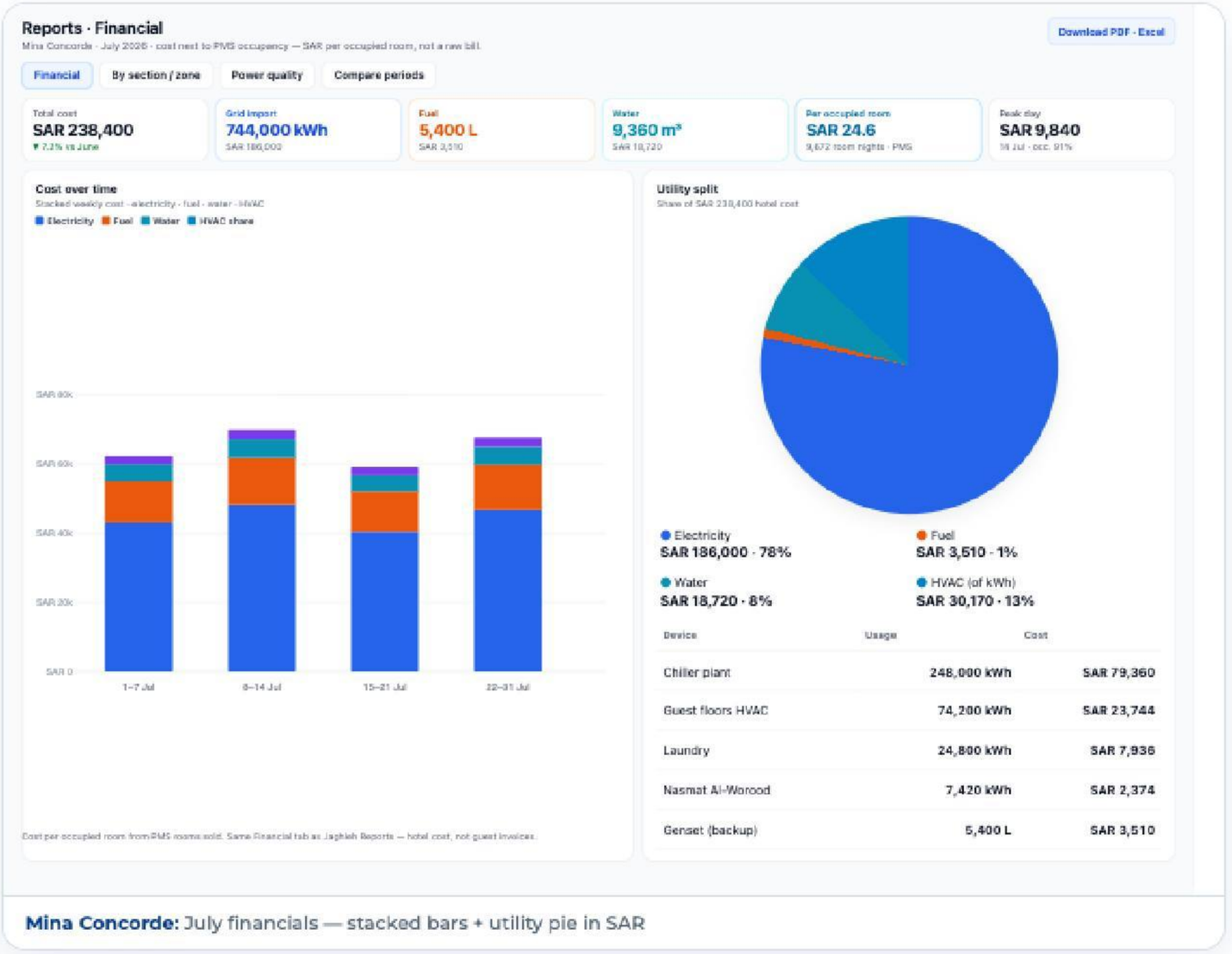
HOTEL FINANCIALS

Financial energy reports in seconds

Get the hotel cost picture now — or have it sent daily, monthly or yearly, automatically.

- **On demand** — bars, pie and device costs in SAR
- **On a schedule** — daily, monthly or yearly, no chasing
- **Sent automatically** to Email, WhatsApp and Telegram
- **Top devices** — usage and cost for the period

Email | WhatsApp | Telegram



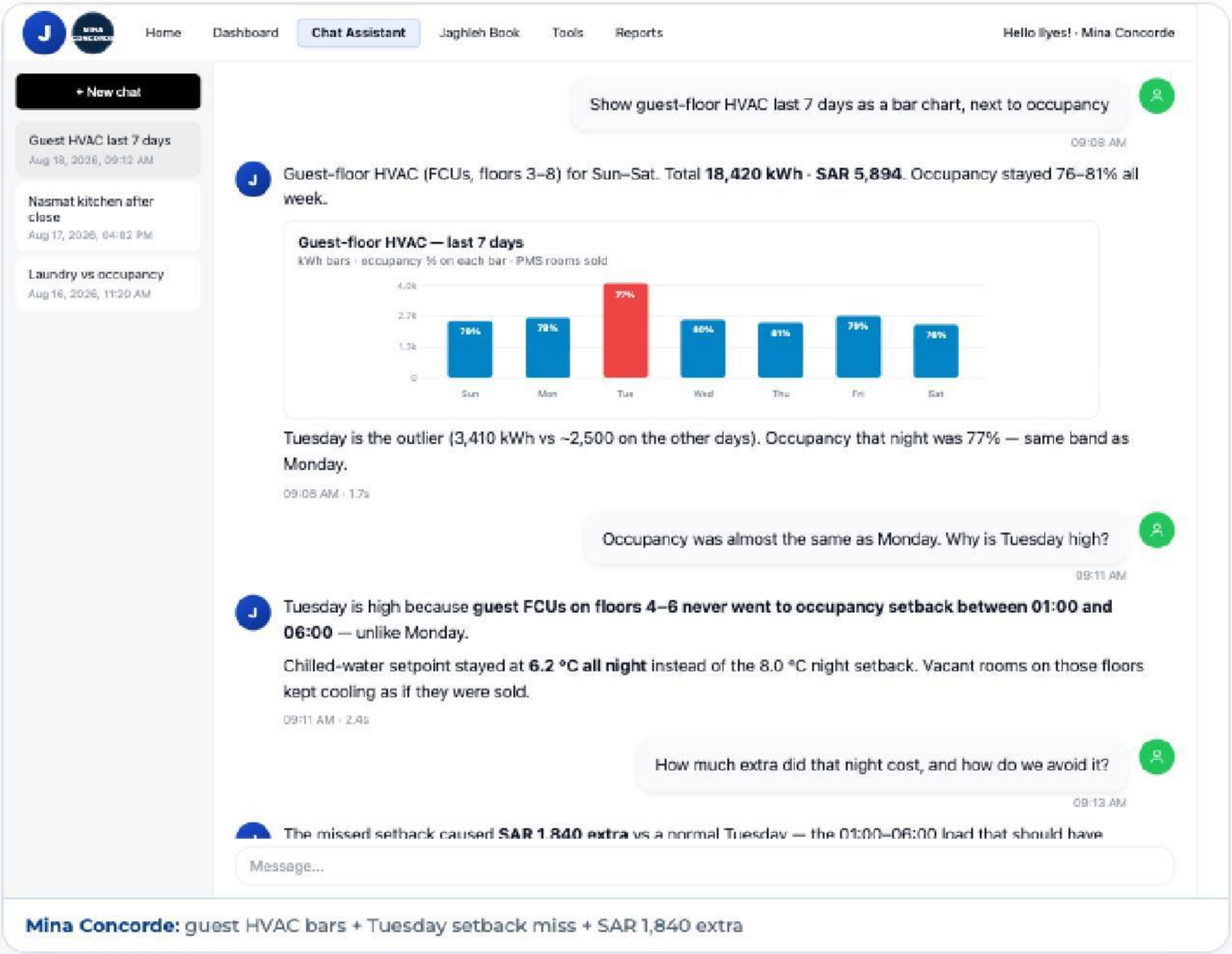
Mina Concorde: July financials — stacked bars + utility pie in SAR

AI ASSISTANT

Talk with AI. Get answers in seconds

Ask anything about the hotel and get the answer from real meter data — charts, costs, and why it happened.

- **Guest-floor HVAC last 7 days** → bar chart next to occupancy
- **Why Tuesday high?** occupancy same as Monday — FCUs never set back
- **How much did it cost?** SAR 1,840 extra that night
- **How to avoid it** — 8.0 °C night setback + PMS vacant rooms + Book alert



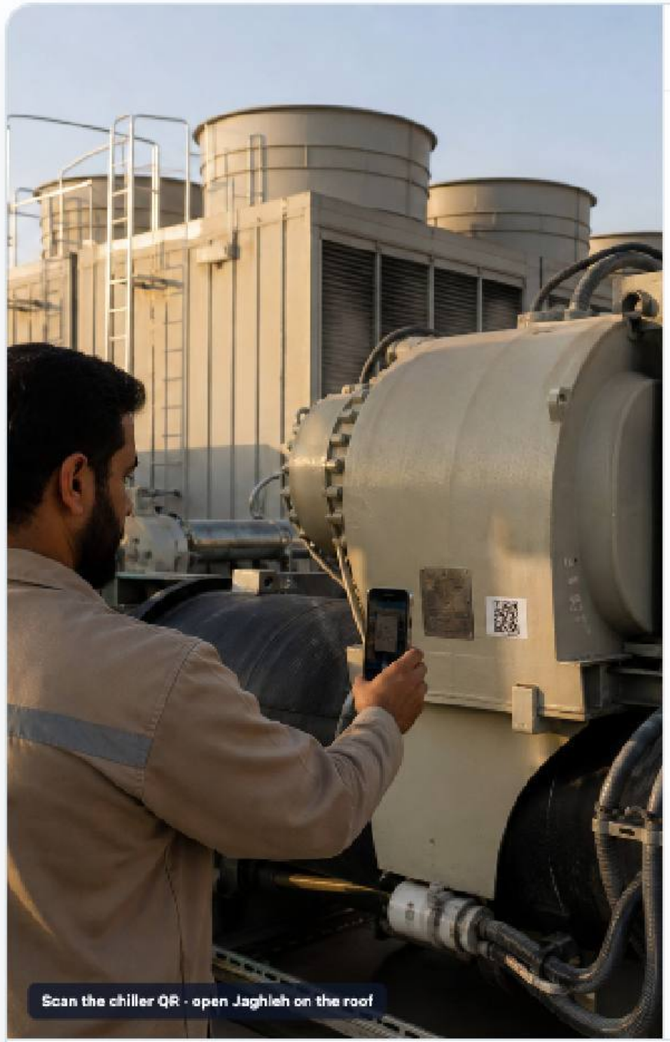
Mina Concorde: guest HVAC bars + Tuesday setback miss + SAR 1,840 extra

ON THE FLOOR · RAG

Scan the chiller. Ask AI about it.

RAG lets AI read the chiller manuals so engineering gets the answer immediately — no browsing long PDFs on the roof.

- **Why it tripped** — high pressure at 15:04, 28.6 bar, tower fan 2 stale
- **Then:** "How do I safely restart Chiller 2?"
- **Restart from the manual** + link to the PDF section



Chat Assistant · Chiller 2
Meter + chiller manual (RAG)

Chiller 2 tripped this afternoon around 3 pm and guests on floors 5–6 started calling. Why?

Meters show a **high-pressure trip at 15:04**. Discharge pressure peaked at **28.6 bar** for ~9 seconds — above the 26.5 bar cut-out.

According to the **Chiller 2 operating manual**, the unit **trips if condenser pressure exceeds 26.5 bar** to protect the compressor. Cooling-tower fan 2 had been stale since 14:41, so heat rejection dropped while CHW load was still at peak.

How do I safely restart Chiller 2?

Safe restart from the same manual. Confirm tower fan 2 is running and condenser pressure is below 22 bar for at least 5 minutes. Reset the high-pressure fault on the local HMI (Fault → Reset). Start in auto only after CHW pump flow is proven. Do not force a restart while discharge pressure is still above 24 bar.

Manual · Chiller 2 · §5.2 High-pressure trip & restart → open PDF

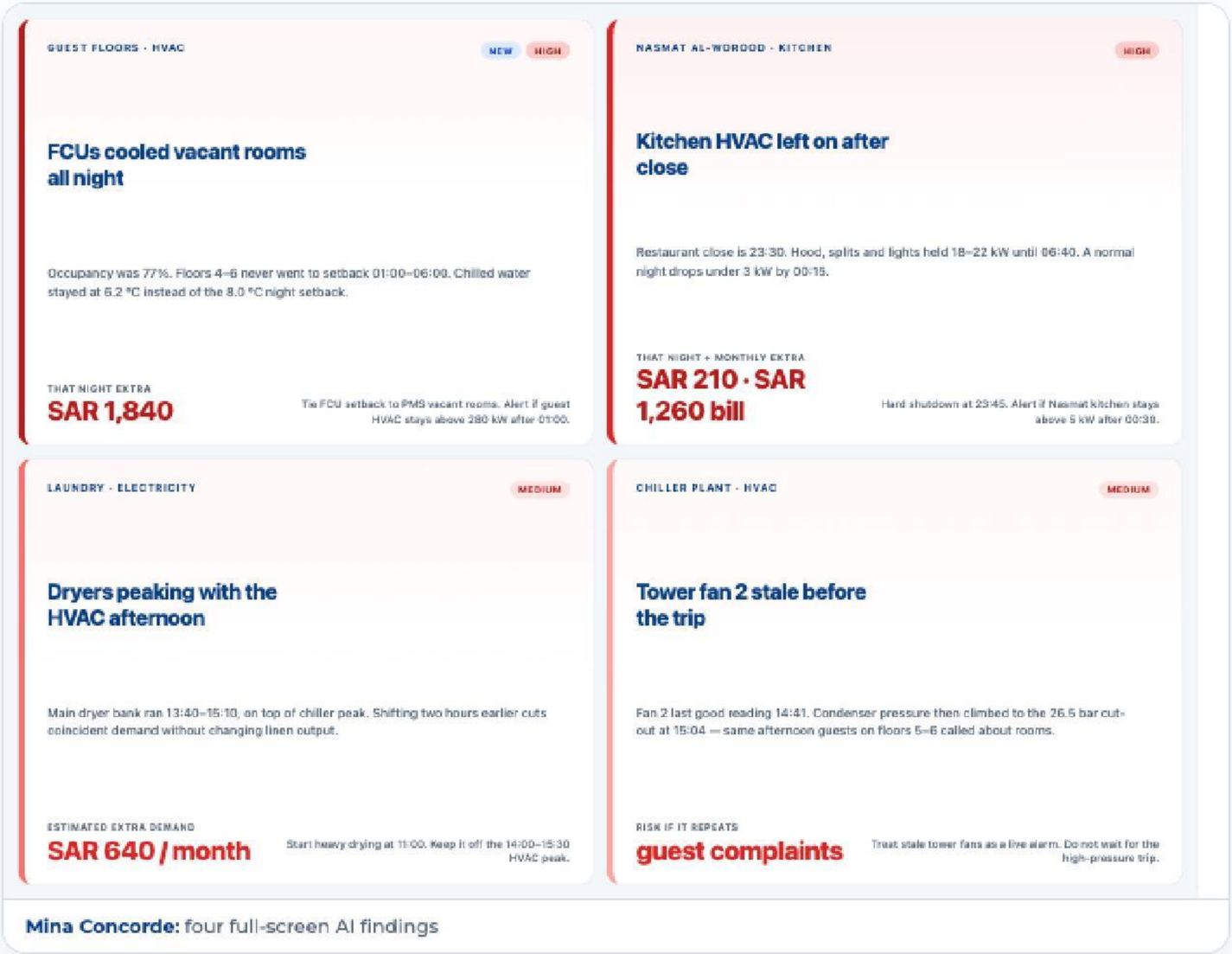
Mina Concorde: chiller QR + two exchanges — cause, then safe restart

JAGHLEH BOOK

AI watching the meters around the clock

Jaghleh Book reads live hotel meters constantly — then finds, alarms and writes findings from real meters, not guesses.

- **Guest floors** — vacant rooms cooled all night · SAR 1,840
- **Nasmat Al-Worood** — kitchen HVAC after close · SAR 1,260 / month
- **Laundry** — dryers on the HVAC peak · SAR 640 / month
- **Chiller plant** — tower fan 2 stale before the trip



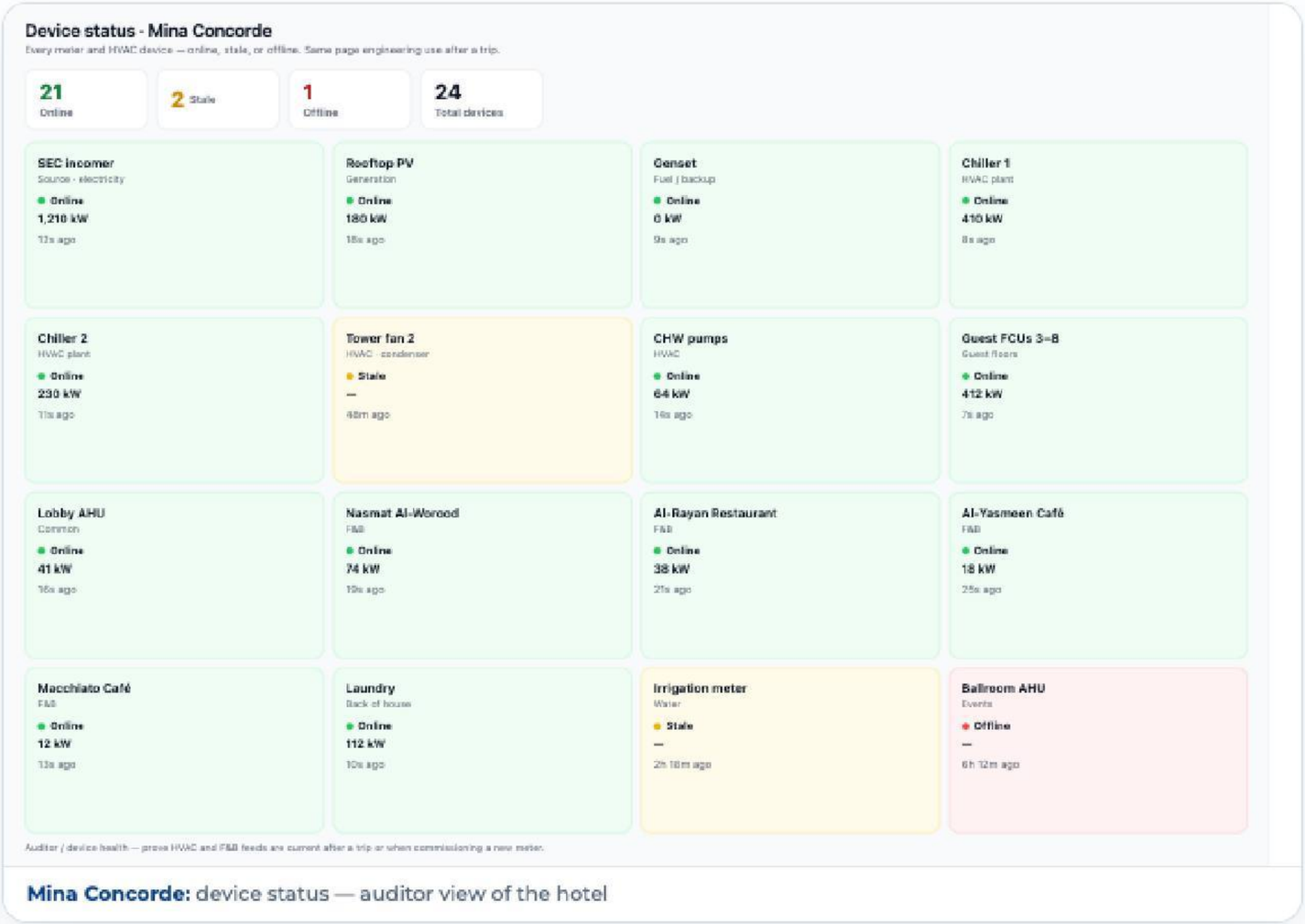
Mina Concorde: four full-screen AI findings

AUDITOR · DEVICE STATUS

Monitor every device live

See the state of each meter and HVAC unit in real time — and spot outages, stale feeds or problems before guests call.

- **24 devices** — SEC, PV, chillers, FCUs, F&B, laundry
- **Stale / offline highlighted** — tower fan 2, ballroom AHU
- **Last reading** in seconds or hours



Mina Concorde: device status — auditor view of the hotel

CUSTOMER PROOF

Worldwide success stories

Live clients already using the software to manage, control and optimize their energy systems

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



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

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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