Jaghleh

FACTORY DEMO · CLIENT PITCH

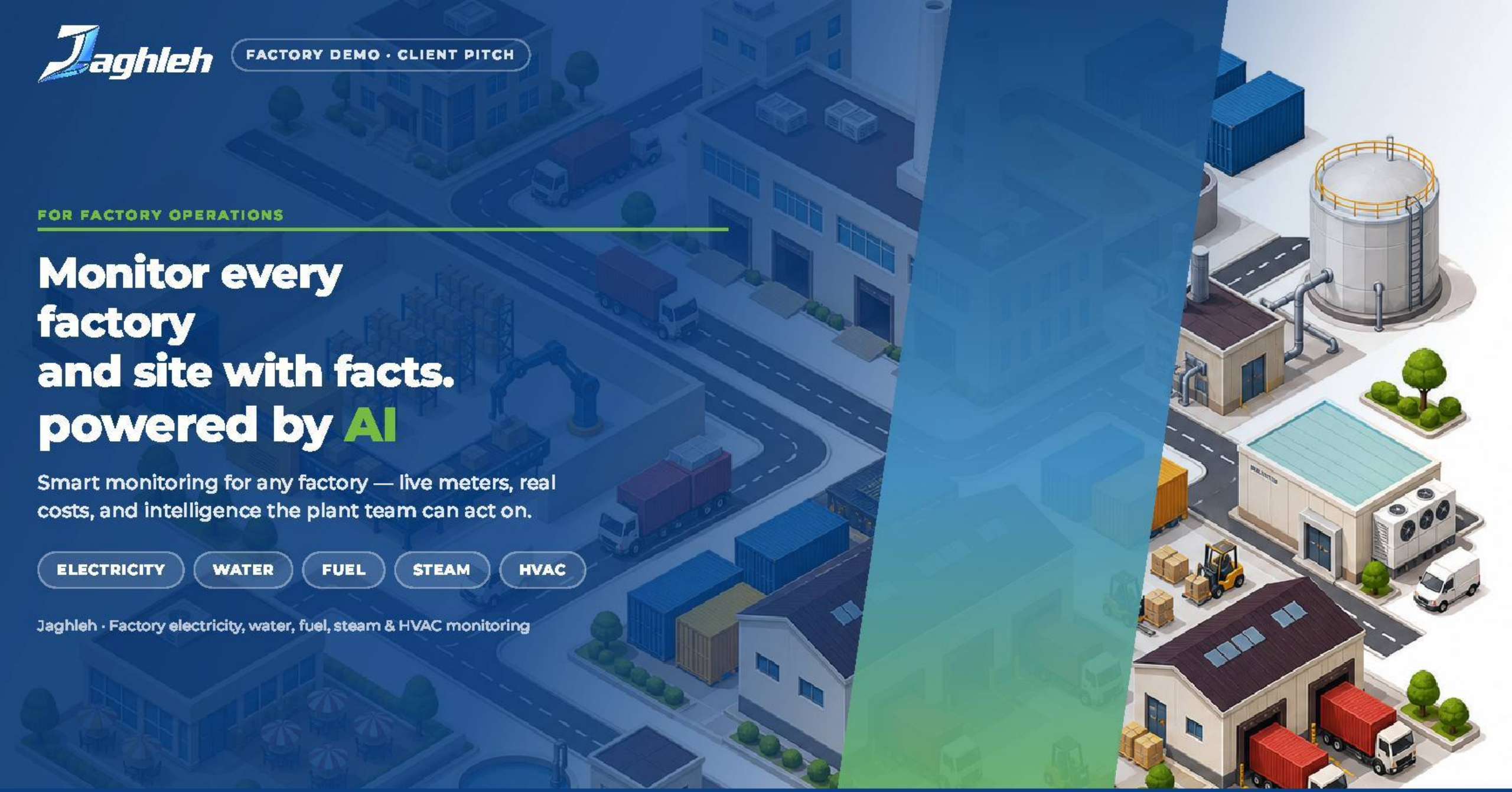
FOR FACTORY OPERATIONS

Monitor every factory and site with facts. powered by AI

Smart monitoring for any factory — live meters, real costs, and intelligence the plant team can act on.

ELECTRICITY | WATER | FUEL | STEAM | HVAC

Jaghleh · Factory electricity, water, fuel, steam & HVAC monitoring



WHAT JAGHLEH DOES

One platform from the meter to the action

Built for plant managers — know usage by section, 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 building, line and utility

Know exactly what each section uses — electricity, water, fuel and steam.

2

OVERVIEW

Live plant overview

See today's power, water, fuel and steam across the whole factory on one map.

3

INVESTIGATE

Dashboards and financials

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

4

ACT

AI, RAG and Jaghleh Book

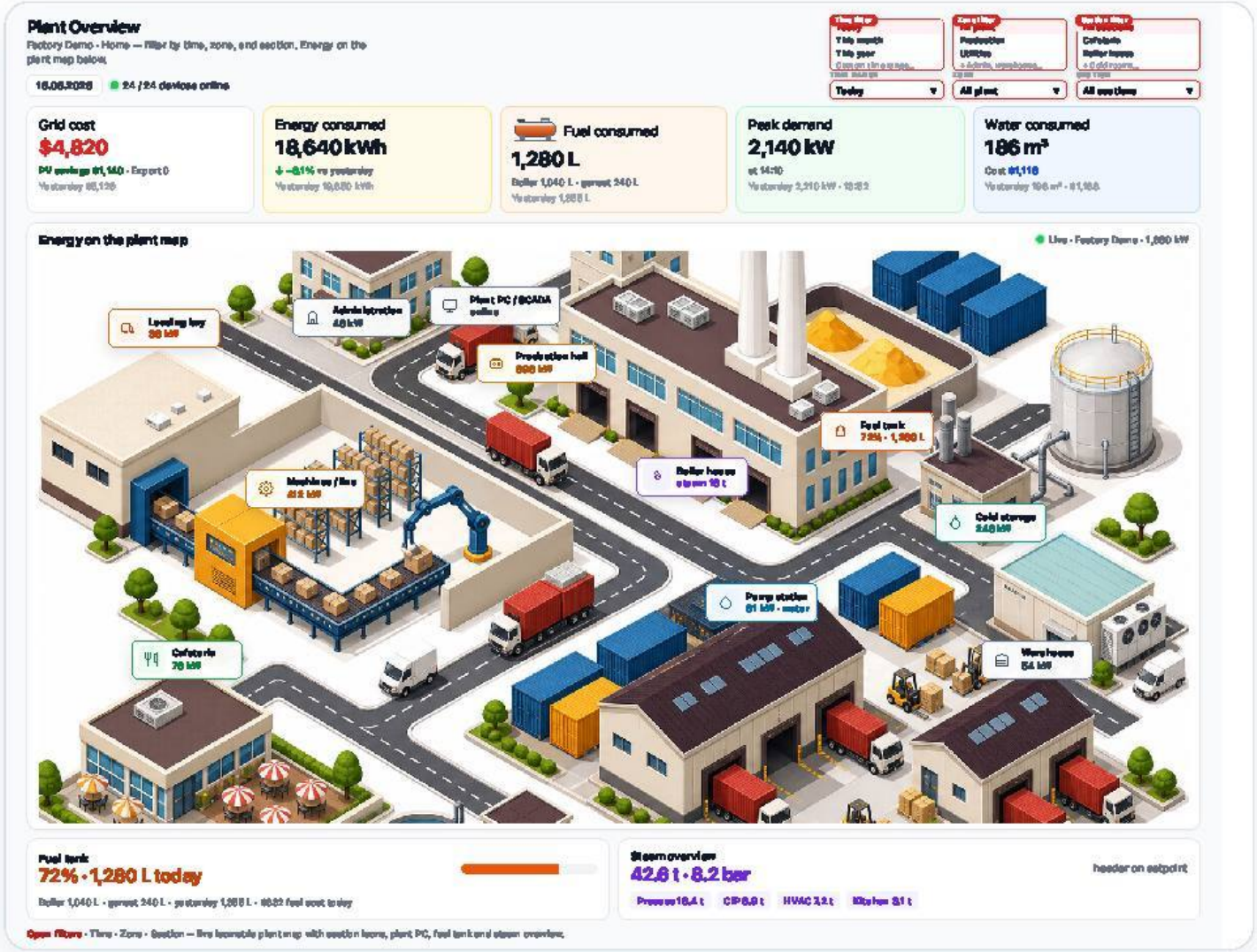
Ask why. Scan a QR. Open a card. Fix it before the next shift.

PLANT OVERVIEW

Your factory on one live floor plan

Open the day with a clear picture of power, water and fuel — before anyone calls.

- **Live 3D plant map** — section icons on production, cafeteria, boiler, plant PC
- **Grid + PV + genset** — where energy flows
- **Time · Zone · Section** — Today, This month, This year, or a custom range
- **KPIs in $** — energy, water and fuel at a glance
- **Fuel tank + steam cards** under the map — level, litres, tonnes, pressure

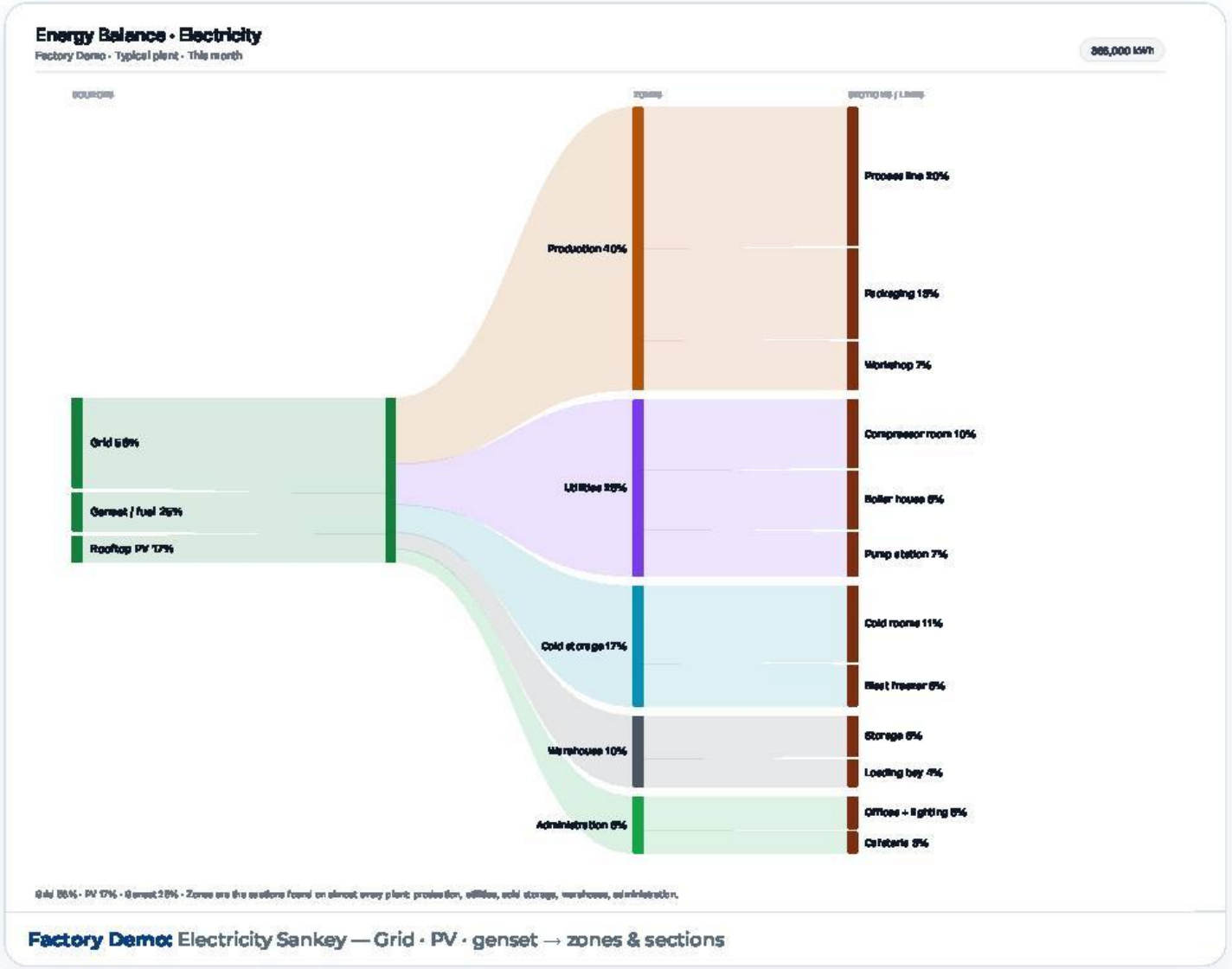


ELECTRICITY BALANCE

Where power comes from — and where it goes

A clear map from grid, rooftop PV and genset into zones and sections.

- **Sources:** utility grid + rooftop PV + genset / fuel
- **Zones:** production, utilities, cold storage, warehouse, administration
- **Sections:** process line, packaging, boiler, pumps, cafeteria



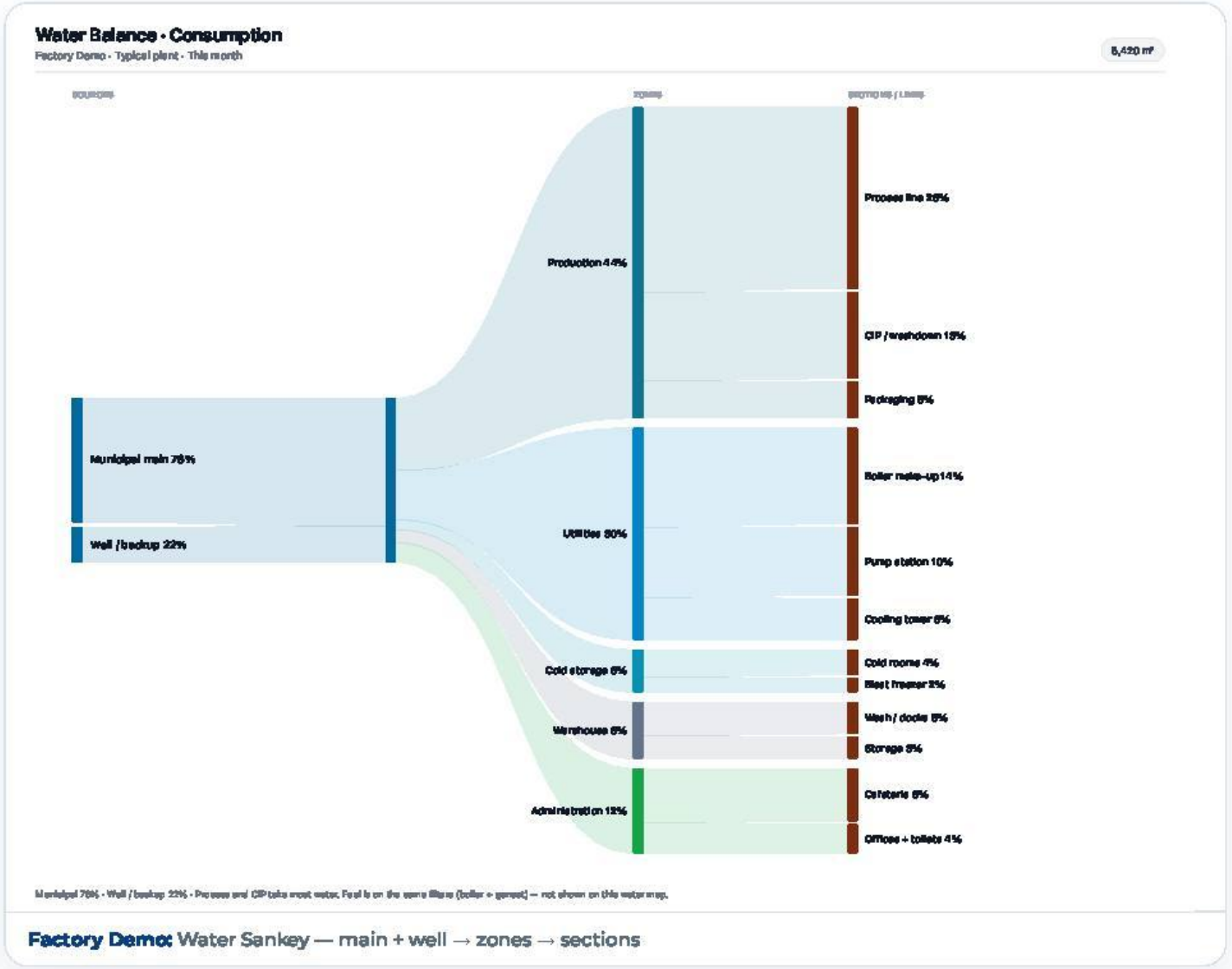
Factory Demo: Electricity Sankey — Grid · PV · genset → zones & sections

WATER BALANCE

Same story for water and Fuel

Main supply into the plant, then into the sections that use it most. Fuel sits on the same filters.

- **Sources:** municipal main + well / backup
- **Heavy users:** process line, CIP, boiler make-up, cafeteria
- **Fuel** — boiler and genset litres, next to electricity and water



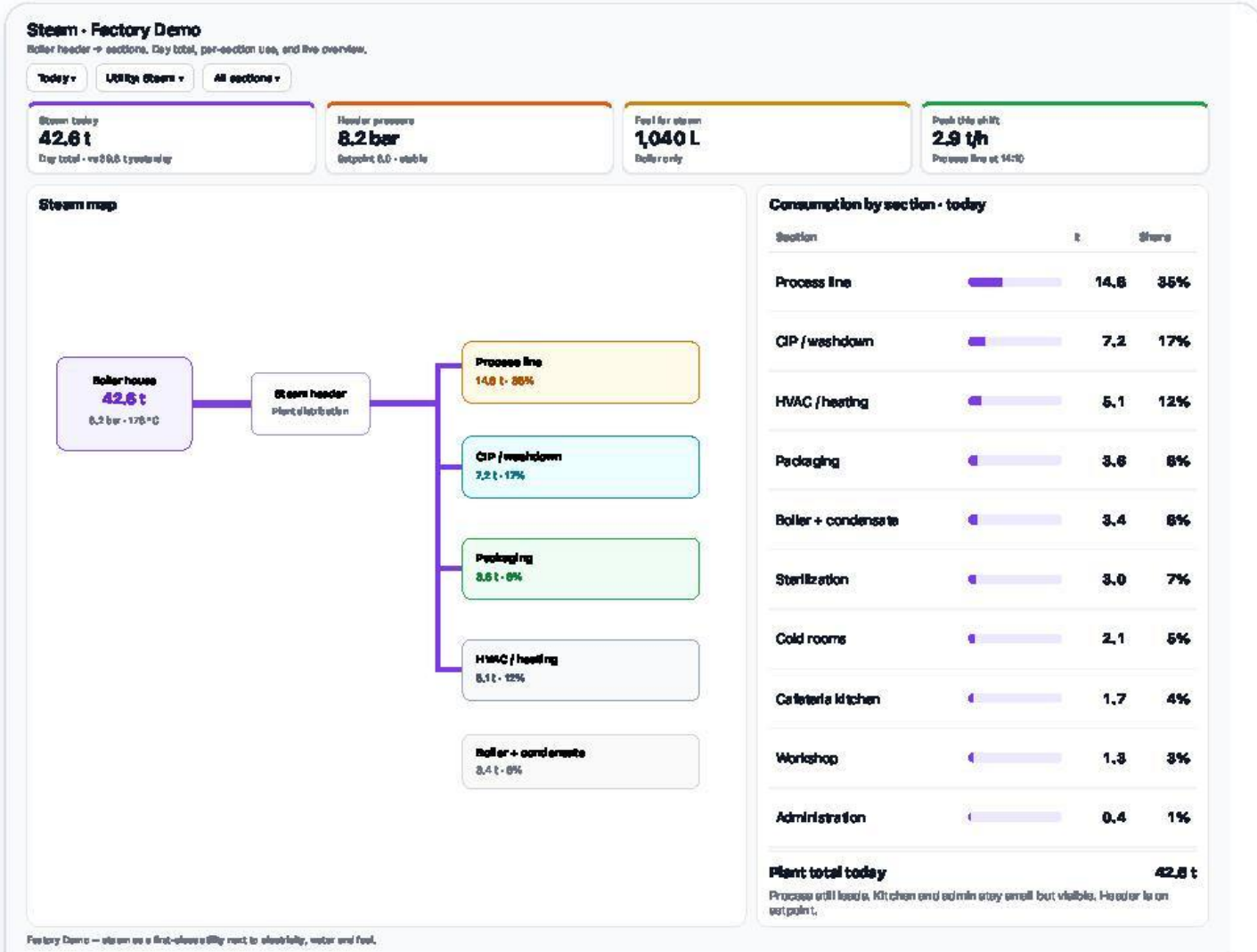
Factory Demo: Water Sankey — main + well → zones → sections

STEAM

Steam map, by section, for the day

Boiler header into process, CIP, kitchen and HVAC — with the day total on top.

- **Live header** — pressure and tonnes today
- **Per section** — who took the steam
- **Overview** — fuel for steam next to delivered tonnes



Factory Demo: steam map + day total + consumption by section

PER-SECTION DASHBOARD

See any section. Usage and cost in $

Open a building, line or zone and see what it used and what it costs — any utility, any period.

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



Factory Demo: Section bars — 7-day + monthly YTD with cost in $

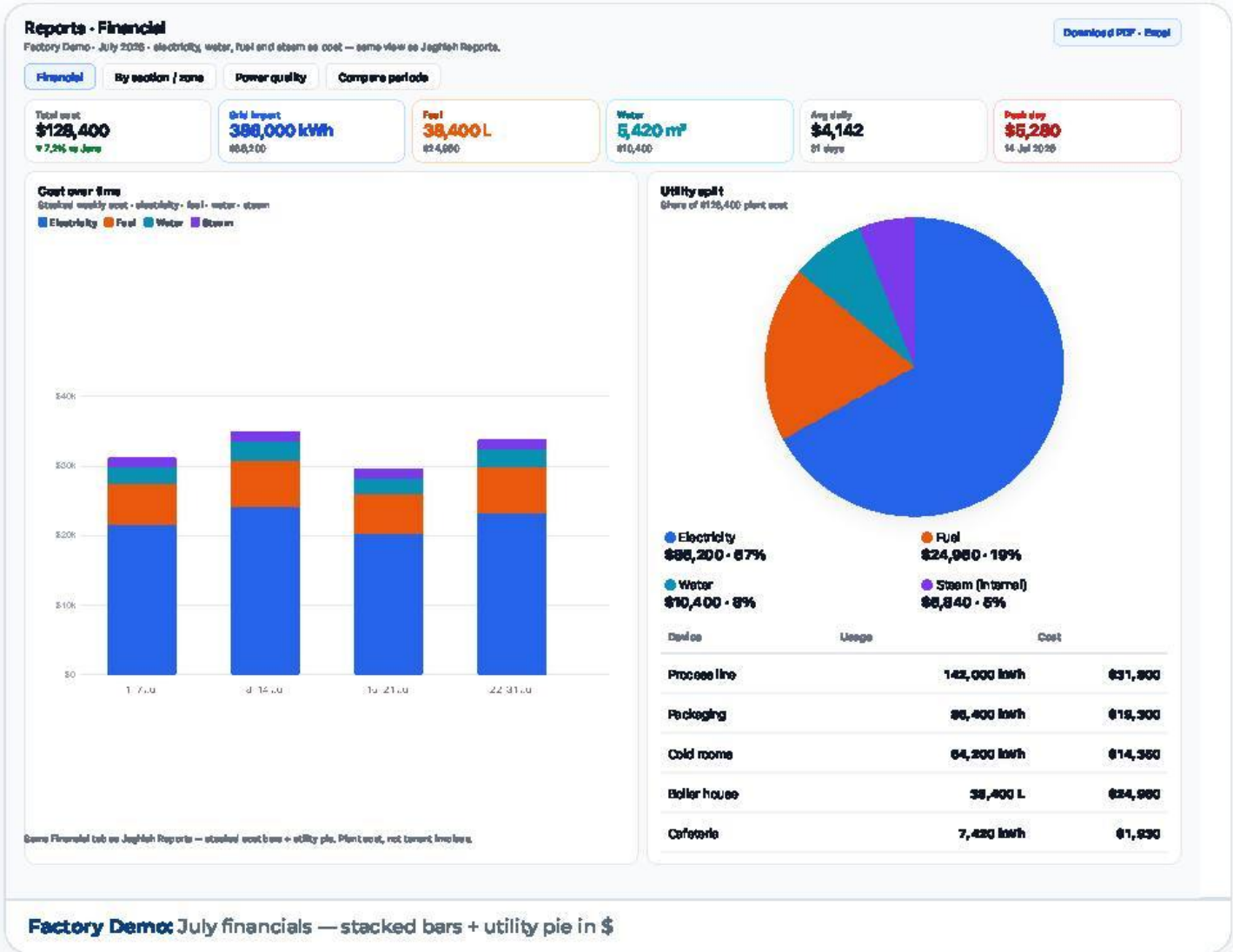
PLANT FINANCIALS

Financial energy reports in seconds

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

- **On demand** — bars, pie and device costs in $
- **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



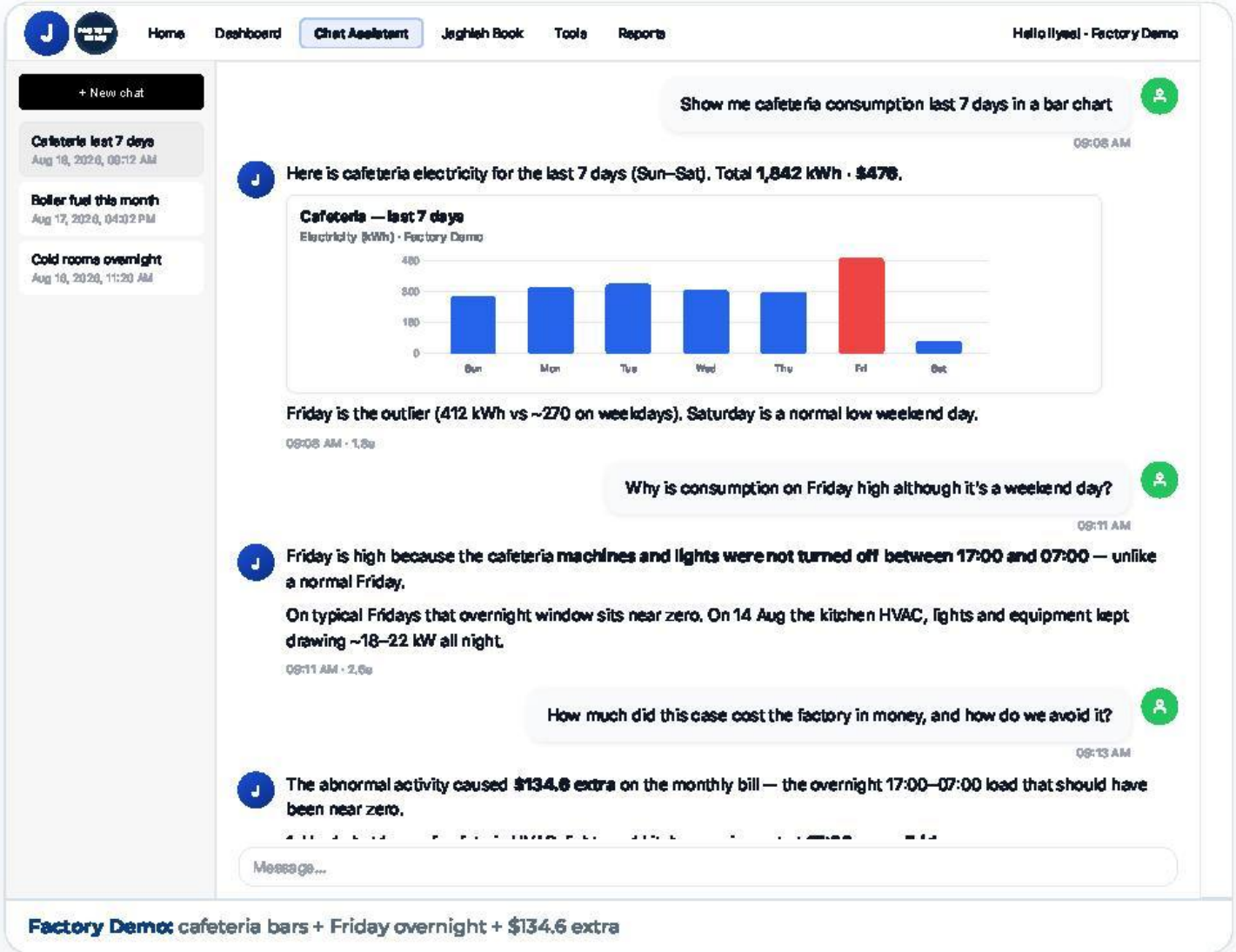
Factory Demo: July financials — stacked bars + utility pie in $

AI ASSISTANT

Talk with AI. Get answers in seconds

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

- **Cafeteria last 7 days** → bar chart
- **Why Friday high?** machines and lights 17:00–07:00
- **How much did it cost?** $134.6 extra on the monthly bill
- **How to avoid it** — Friday 17:00 shutdown + Book alert



Factory Demo: cafeteria bars + Friday overnight + $134.6 extra

ON THE FLOOR · RAG

Scan the machine. Ask AI about it.

RAG lets AI read the machine manuals so a technician gets the answer immediately — no browsing long technical PDFs on the floor.

- **Why it shut down** — surge at 15:58, 278 V on L2
- **Then:** "How do I safely restart the machine?"
- **Restart from the manual** + link to the PDF section



Chat Assistant · Packaging line 2
Meter + machine manual (RAG)

This machine was turned off automatically since yesterday around 4 pm. Why?

Data in the database shows a **voltage surge at 15:58** yesterday. Line voltage peaked at **278 V** (L2) for ~12 seconds — well above the 230 V nominal.

According to the **Packaging Line 2 operating manual**, the drive **automatically shuts down if voltage exceeds 264 V** (115% of rated) to protect the inverter. That matches the trip time.

How do I safely restart the machine?

Safe restart from the same manual. Isolate the line and wait until voltage is stable between 220–240 V for at least 5 minutes. Reset the drive fault on the local HMI (Fault → Reset). Confirm emergency stops are released and guards are closed. Start in jog, then return to auto once current is normal.

Do not force a restart while L2 is still above 250 V.

Manual - Packaging Line 2 - §4.3 Overvoltage trip & restart → open PDF

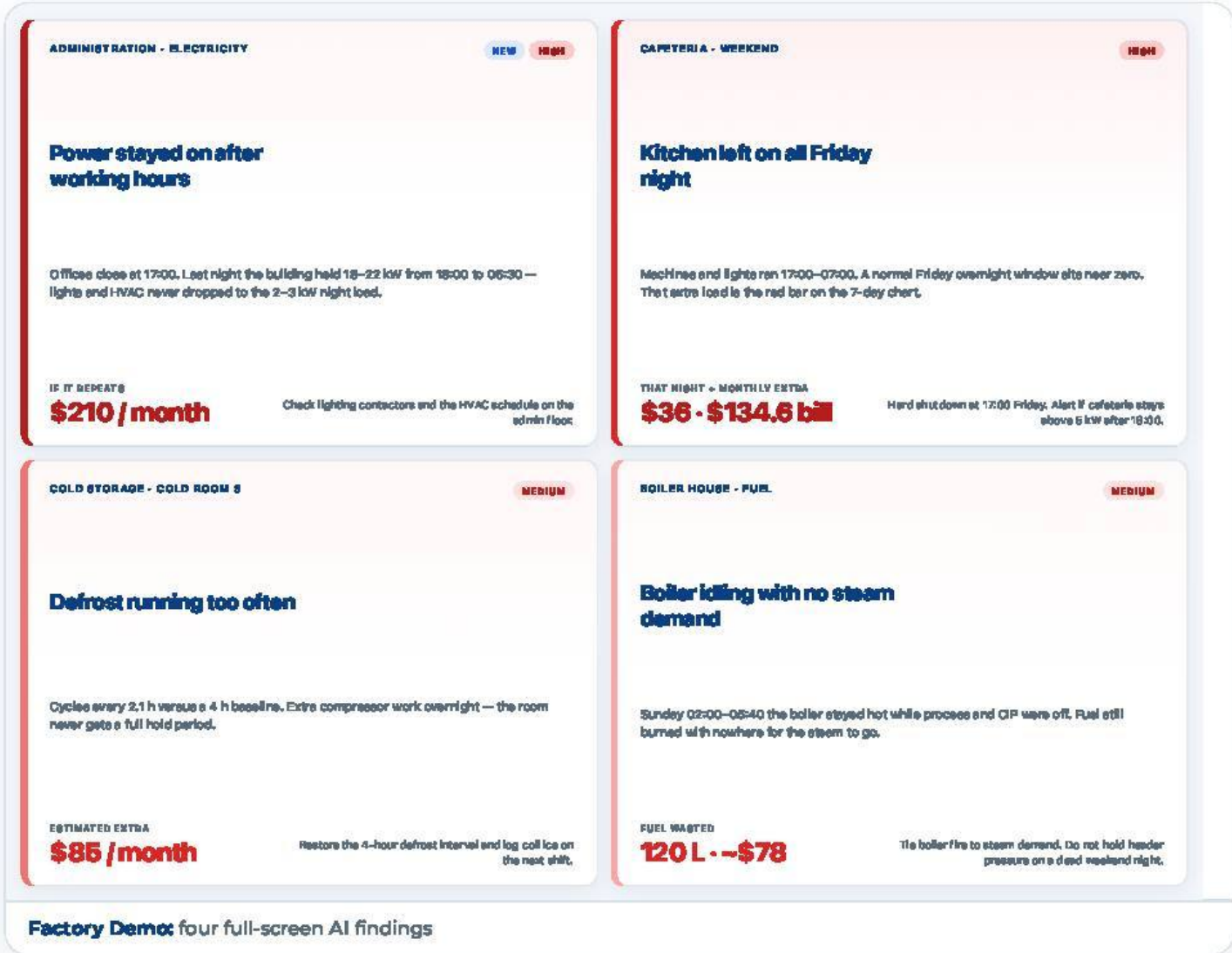
Factory Demo: QR scan + two exchanges — cause, then safe restart

JAGHLEH BOOK

AI watching the meters around the clock

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

- **Administration** — power after hours · $210 / month
- **Cafeteria** — Friday night left on · $134.6 extra
- **Cold room 3** — defrost too often · $85 / month
- **Boiler** — idling with no steam demand · 120 L



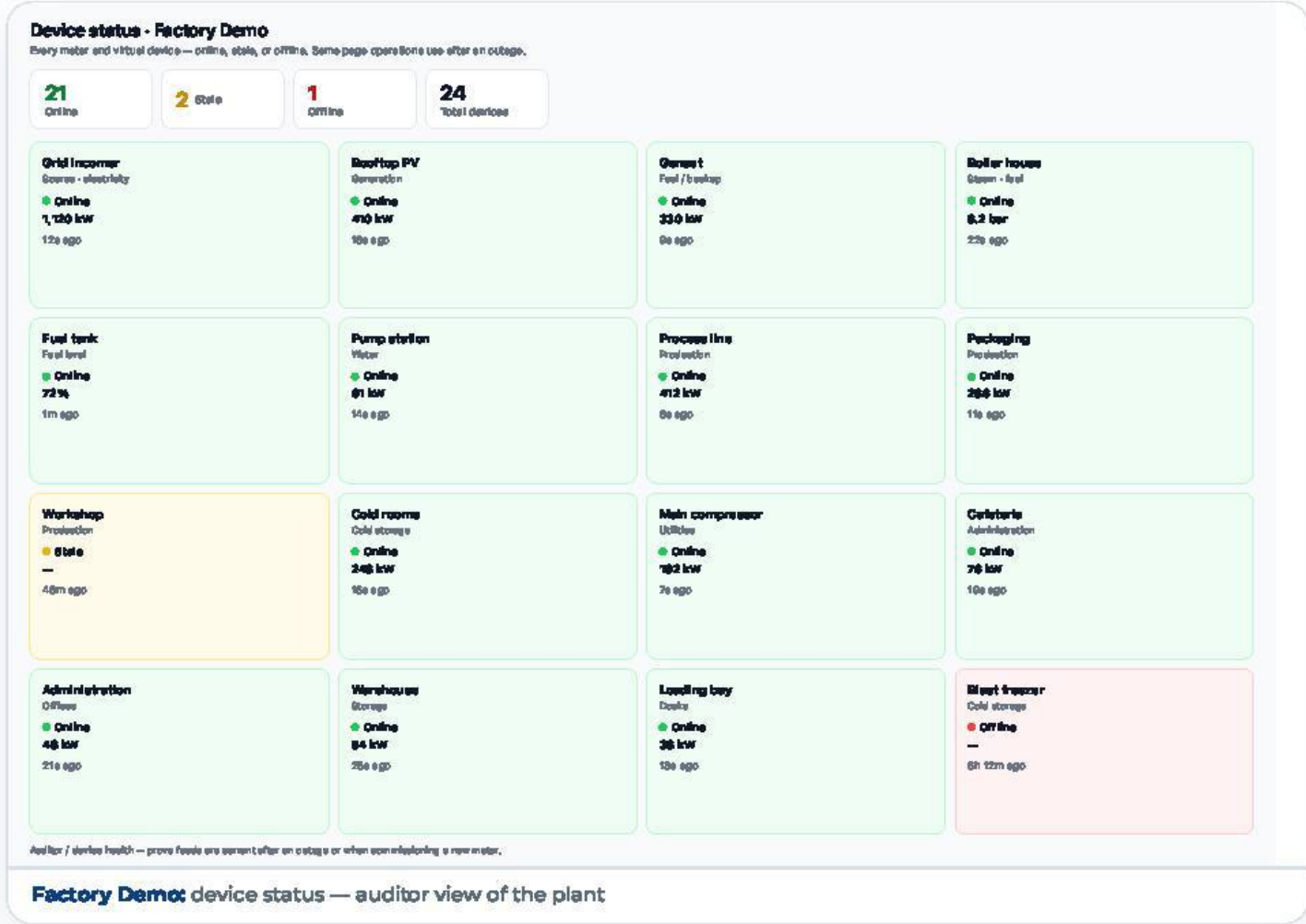
Factory Demo: four full-screen AI findings

AUDITOR · DEVICE STATUS

Monitor every device live

See the state of each meter and machine in real time — and spot outages, stale feeds or problems before the next shift.

- **24 devices** — grid, PV, genset, boiler, pumps, lines
- **Stale / offline highlighted** — workshop, blast freezer
- **Last reading** in seconds or hours



Factory Demo: device status — auditor view of the plant

CUSTOMER PROOF

Worldwide success stories

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

Sammatz
Sammatz, Germany · Village

Sinfora 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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