

FIRE PUMP MANAGEMENT INSIGHTS

Dashboard User Manual

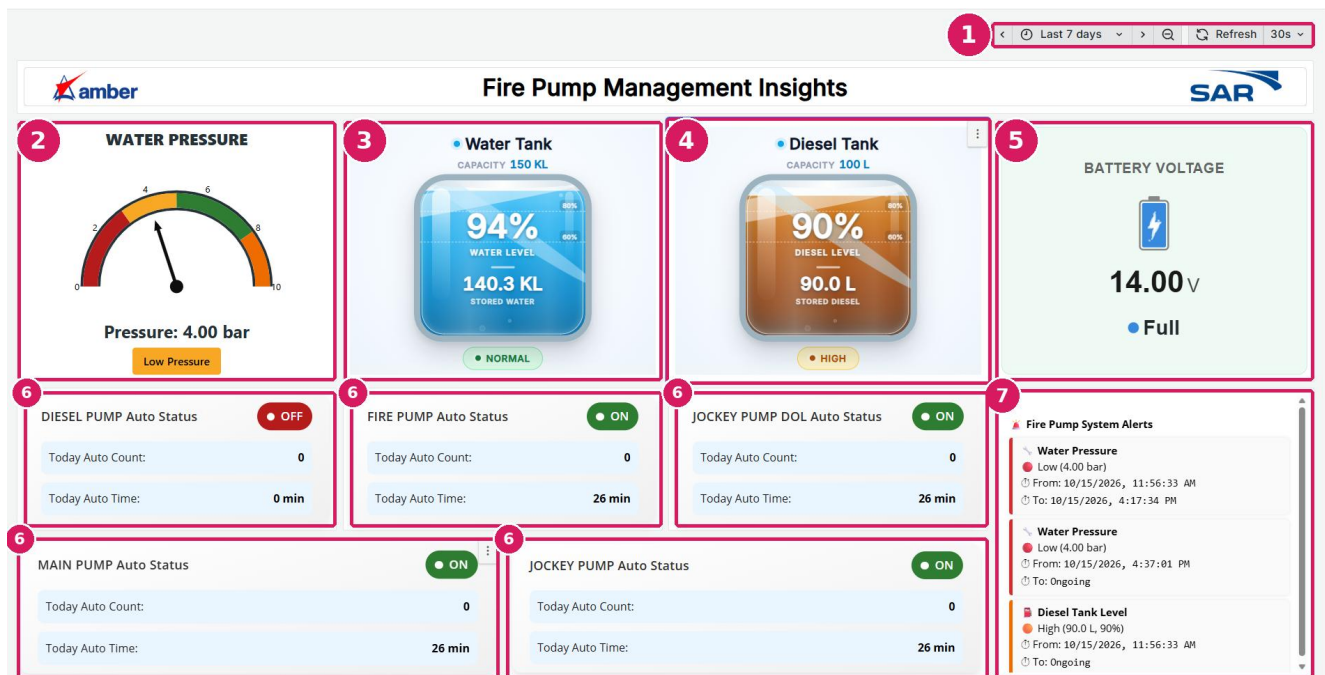
Version 1.0 | October 2026 | SAR Business Transformation Consultants

1. About this Dashboard

This dashboard shows the live health of the fire pump system: pressure, tank levels, battery, pump status and alerts.

Numbered pink labels in the pictures match the numbered points beside them.

2. Dashboard at a Glance



No.	Section	What it shows
1	Time filter & Refresh	Choose the period for trend graphs and refresh the data.
2	Water Pressure	Live pressure gauge with status.
3	Water Tank	Capacity, live volume, percentage and status.
4	Diesel Tank	Capacity, live volume, percentage and status.
5	Battery Voltage	Live battery voltage with status.
6	Pump Auto Status	ON / OFF, auto count and run time for today.
7	Fire Pump System Alerts	Live alerts with date, time and ongoing / complete.

Trend graphs are shown below the dashboard (see Section 9).

3. Time Filter & Refresh

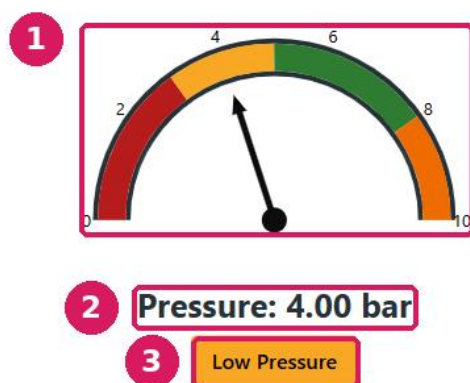
Found at the top right. Use it to control the period shown in the trend graphs.



- 1 Time range** – pick Last 7 days, Today, or a custom period.
- 2 Arrows** < > – move the selected period back or forward.
- 3 Zoom out** – widen the time range.
- 4 Refresh** – reload all data right now.
- 5 Auto-refresh** – set how often the dashboard updates (e.g. 30s).

4. Water Pressure

WATER PRESSURE



- 1 Gauge** – needle shows the live pressure; colours show the zones.
- 2 Pressure value** – exact live reading in bar.
- 3 Status button** – Critical, Low, Normal or High.

Status	Gauge range	Meaning
CRITICAL	0 – 2 bar	Pressure far too low – act immediately.
LOW	2 – 5 bar	Below the normal working pressure.
NORMAL	5 – 8 bar	Pressure is healthy.
HIGH	8 – 10 bar	Above the normal working pressure.

5. Water Tank & Diesel Tank

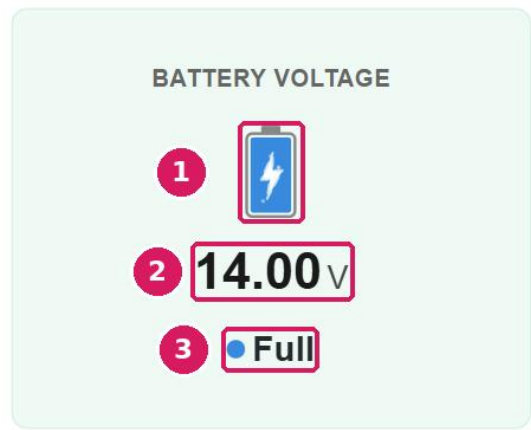
Both tanks use the same layout (numbers apply to both).



- 1 Tank name & capacity** – total size of the tank (150 KL water, 100 L diesel).
- 2 Level %** – how full the tank is right now.
- 3 Stored volume** – live quantity inside the tank.
- 4 Status badge** – level status based on the set thresholds.

Status	Applies to	Meaning
NORMAL	Water & Diesel	Level is in the safe range.
LOW	Water & Diesel	Level is below the minimum – refill soon.
HIGH	Diesel	Level is above the upper limit (tank nearly full).

6. Battery Voltage

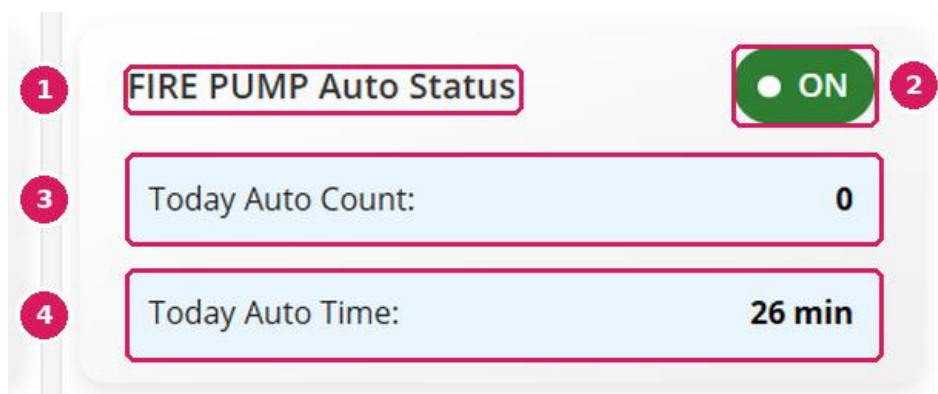


- 1 Battery icon** – visual indicator of the battery.
- 2 Voltage** – live battery voltage in volts (V).
- 3 Status** – Low, Normal or Full.

Status	Meaning
LOW	Voltage is below the safe level – check the charger.
NORMAL	Battery is working in the normal range.
FULL	Battery is fully charged.

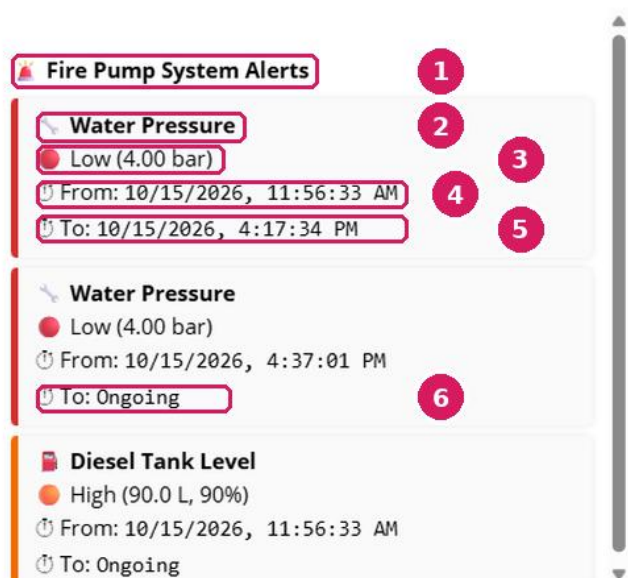
7. Pump Auto Status

Five cards: Diesel Pump, Fire Pump, Jockey Pump DOL, Main Pump and Jockey Pump. Each shows today's data (1 day).



- 1 Pump name** – which pump the card belongs to.
- 2 ON / OFF** – green = ON, red = OFF.
- 3 Today Auto Count** – how many times the pump started in auto mode today.
- 4 Today Auto Time** – total time the pump ran in auto mode today (minutes).

8. Fire Pump System Alerts

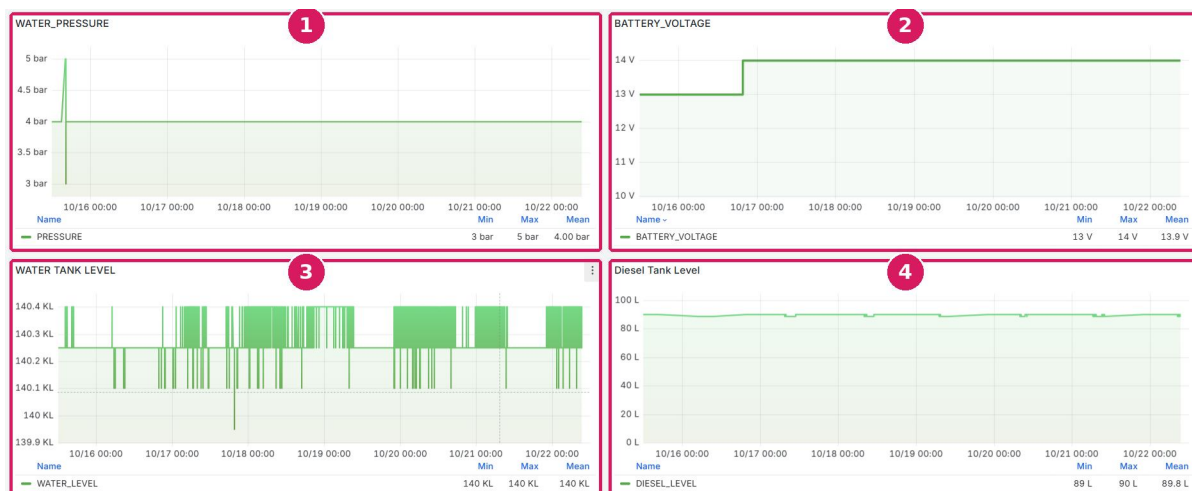


- 1 Alert panel** – live alerts; scroll to see more.
- 2 Parameter** – what raised the alert (e.g. Water Pressure).
- 3 Condition** – Low or High, with the reading.
- 4 From** – date and time the alert started.
- 5 To (time)** – date and time it ended – alert is Complete.
- 6 To: Ongoing** – alert is still active.

Note: The coloured bar on the left of each alert shows its severity.

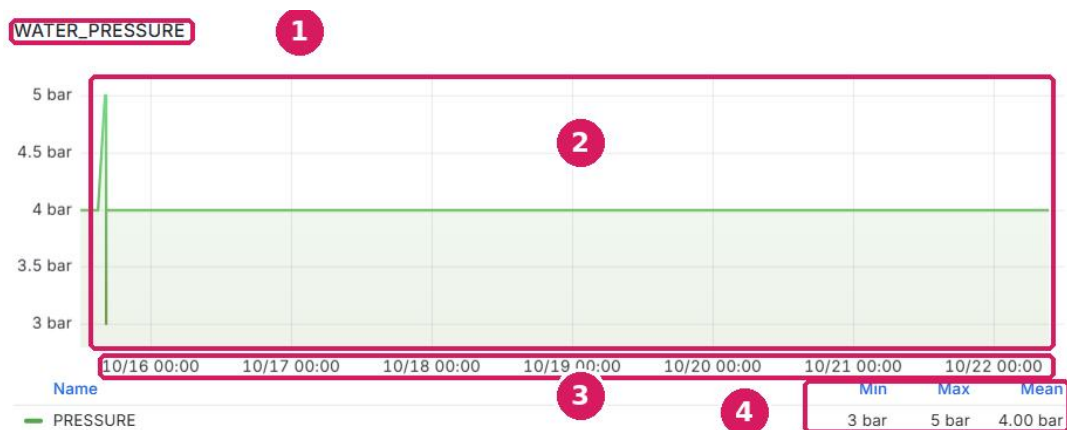
9. Trend Graphs

Four graphs show how each reading changed over the period chosen in the time filter.



- 1 Water Pressure** – bar over time.
- 2 Battery Voltage** – volts over time.
- 3 Water Tank Level** – KL over time.
- 4 Diesel Tank Level** – litres over time.

How to read a graph



- 1 Title** – the parameter being shown.
- 2 Trend line** – value over time; hover to see exact values.
- 3 Time axis** – dates and times for the selected period.
- 4 Min / Max / Mean** – lowest, highest and average value in the period.

10. Automatic Email Alerts

When a reading crosses its threshold, the system sends an alert email automatically to the configured recipients.



- 1 Subject** – site, alert type, parameter and status (e.g. Hydrant Pressure - LOW).
- 2 Date & Time (IST)** – when the alert was raised, and the alert count.
- 3 Alert details** – listed below.

Field	Meaning
Parameter	The reading that crossed its limit.
Actual Value	The value measured when the alert was raised.
Status	New status (e.g. LOW).
Previous Status	Status before the change (e.g. NORMAL).
Threshold	The limit that was crossed (e.g. Below 5 bar).