PM calendar — which preventive jobs are due, and their work orders

Menu: CMMS ▸ PM Calendar...

Part 1 — What the function does

What it calculates. CMMS ▸ PM Calendar... holds the preventive maintenance (PM) schedules of the assets and answers, for each, one question: is this job due now? A schedule is driven by the calendar (a fixed time after it was last done), by a meter (a fixed amount of use after it was last done, read from the asset's primary meter) or by a condition (a measured value crossing a threshold). For each schedule ReliaEn calculates:

Result	How ReliaEn sets it
Due	Calendar: the date last done + the interval. Meter: the reading last done + the interval. Condition: none
Status	OVERDUE past the due point; DUE SOON within 14 days (calendar) or 5% of the interval (meter); DUE a condition met; NOT DUE otherwise
Detail	Calendar: whole days late or left. Meter: hours left, negative when past. Condition: the reading against the threshold

Generate due WOs then raises one PM work order (WO) for every schedule OVERDUE, DUE SOON or DUE that has no open order yet.

From which data. The schedules stored in the CMMS file, the assets' latest meter readings and the computer's clock.

When an engineer uses it. Each morning, to see what is due and raise the PM work orders.

When not to use it.

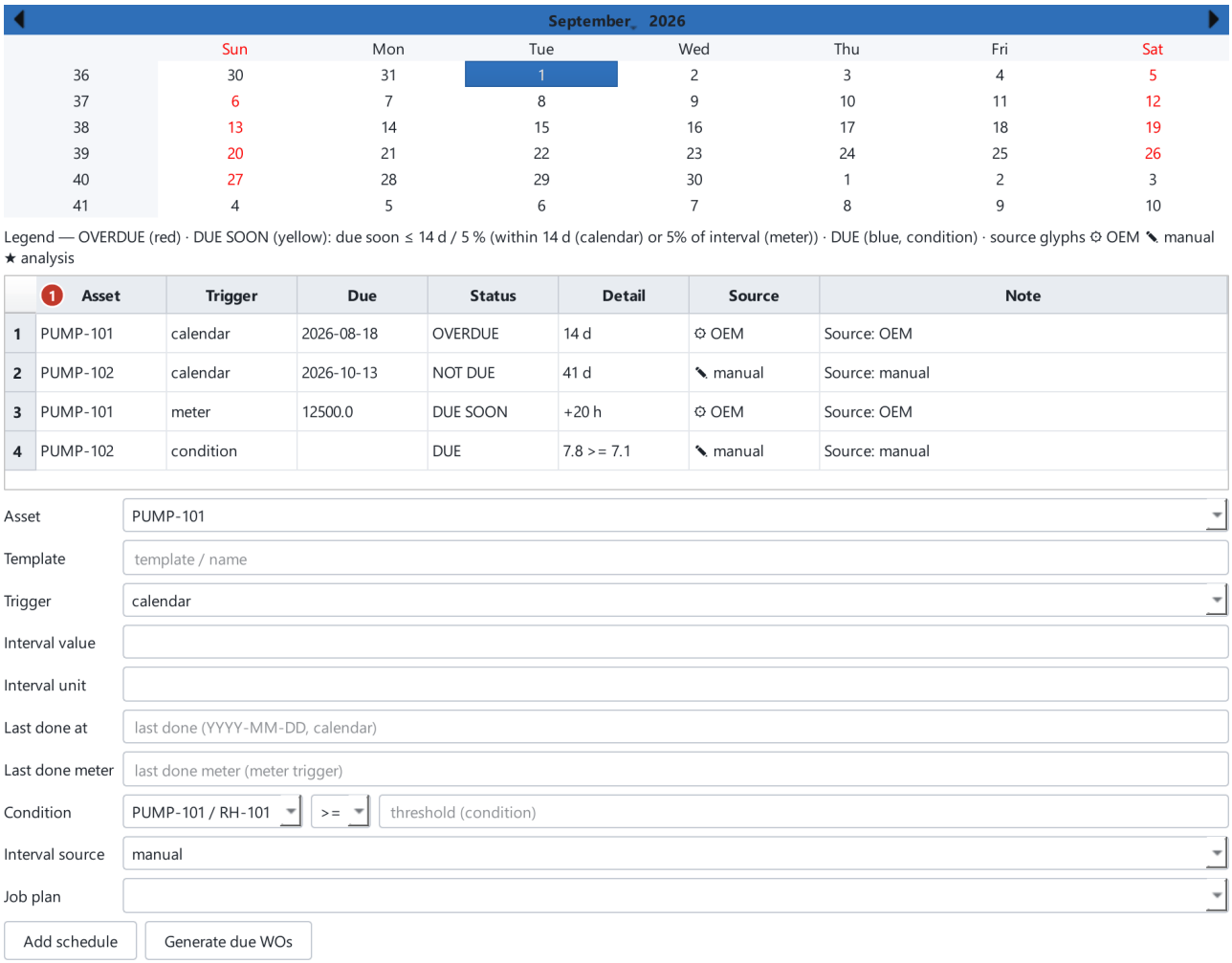
Situation	Use instead
An interval proposed from the plant's own failure history	CMMS ▸ Recommendations... (chapter 6.8)
Working on, costing or closing the generated orders	CMMS ▸ Work Orders...

Part 2 — The example's input data

Setting. The pumps PUMP-101 and PUMP-102 carry four schedules. The clock reads 2026-09-01 08:00 (UTC). The run-hours meter RH-101 last read 12,480; the vibration meter VIB-102 last read 7.8 mm/s.

Template	Asset	Trigger	Interval	Last done	Source
PM-CAL-1	PUMP-101	calendar	90 d	2026-05-20	OEM
PM-CAL-2	PUMP-102	calendar	90 d	2026-07-15	manual
PM-MTR-1	PUMP-101	meter	500 h	at 12000 h	OEM
PM-CND-1	PUMP-102	condition: VIB-102 >= 7.1	-	-	manual

Input	Value
File in the worked-example zip	6-PM-Calendar/CMMS-Example-PM.reliaen - the three pumps, their meters and the four schedules; no work order yet

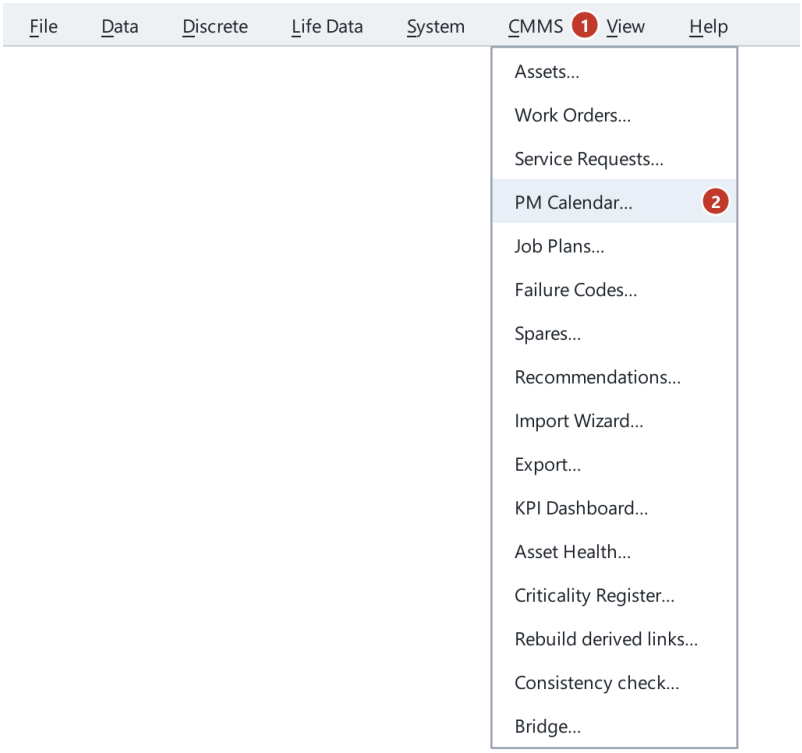


The window as it opens

- ① The due list: one row per schedule, counted to the computer's clock.

Part 3 — How to use it, step by step

1. **Choose CMMS ▸ PM Calendar…** in the menu bar. The first time in a session ReliaEn asks for the file in the box Open or create a CMMS file: choose your copy of CMMS-Example-PM.reliaen. The window CMMS — PM Calendar opens with the due list filled.



Step 1 — the menu path

- ① CMMS: the menu.
- ② PM Calendar…: the entry to click.

2. ① **Click Generate due WOs** once you have read the due list.



Step 2 — the button Generate due WOs

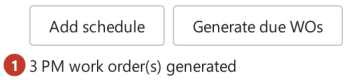
- ① Generate due WOs: the button to click.

Part 4 — The result, picture by picture

	Asset	Trigger	Due	Status	Detail	Source	Note
1	PUMP-101	calendar	2026-08-18	OVERDUE 1	14 d	⚙ OEM	Source: OEM
2	PUMP-102	calendar	2026-10-13	NOT DUE 2	41 d	✎ manual	Source: manual
3	PUMP-101	meter	12500.0	DUE SOON 3	+20 h	⚙ OEM	Source: OEM
4	PUMP-102	condition		DUE 4	7.8 >= 7.1	✎ manual	Source: manual

The due list

- ① PUMP-101, calendar (PM-CAL-1): Due 2026-08-18, that is 2026-05-20 + 90 days; OVERDUE; Detail 14 d: the inspection is 14 whole days late.
- ② PUMP-102, calendar (PM-CAL-2): Due 2026-10-13; NOT DUE; 41 d: 41 days and 16 hours ahead, counted in whole days.
- ③ PUMP-101, meter (PM-MTR-1): Due 12500.0 run-hours, that is 12000 + 500; DUE SOON; +20 h: with RH-101 at 12,480, 20 run-hours are left, within 5% of the interval (25 h).
- ④ PUMP-102, condition (PM-CND-1): DUE; 7.8 >= 7.1: the latest VIB-102 reading has reached its threshold.



The line after Generate due WOs

- ① The line: 3 PM work order(s) generated. One draft PM work order for each schedule that is OVERDUE, DUE SOON or DUE: PUMP-101's two schedules and PUMP-102's condition. PM-CAL-2 is not due and gets none.

Part 5 — How to interpret the results

What comes first? The OVERDUE inspection of PUMP-101, 14 days late; then the DUE condition on PUMP-102, whose vibration has reached 7.1 mm/s; then the DUE SOON meter service of PUMP-101, 20 run-hours away. The three orders wait in CMMS ▸ Work Orders….

How to read a meter Detail? By its sign: +20 h means 20 run-hours are left; a minus means the pump has run past the due reading by that many hours.

What if Generate due WOs is clicked again? Nothing new is raised while those orders are open: the line reads 0 PM work order(s) generated — none due or all already open.

Why may your window show other days? The statuses and the day counts are counted to the computer's clock. The pictures were taken at 2026-09-01 08:00 (UTC); opened on a later date, the due dates and the meter figures stay the same, while the calendar statuses and day counts follow your own date.