

Management dashboard

portfolio Machinery and plant engineering

Status date 16.11.2026 08:00 Analysis period 02.11.2026 – 28.02.2027 Unit hours Created 2026-10-17

Project status

4 / 5

4 critical · 1 review

Largest schedule shift

5.5 wd

Fixed milestone

Shortfall

2,248 h

on individual days

Cost variance

+2.2 %

Overall plan versus baseline

Project traffic lights

Project	Overall	Schedule	Progress	Resources	Costs
Assembly line MX-200 3.1	⊗ critical	⊗ critical 5.5 wd	⚠ review 5.3 pp	⊗ critical 14.4 %	⚠ review +5.5 %
Press R-12 retrofit 3.2	⊗ critical	✅ within limits 0 wd	✅ within limits 1.1 pp	⊗ critical 18.4 %	⊗ critical +12.4 %
Packaging cell P-80 3.3	⊗ critical	✅ within limits 0 wd	✅ within limits 0 pp	⊗ critical 18.1 %	✅ within limits +4 %
E-Drive 400 test bench 3.4	⊗ critical	✅ within limits 0 wd	✅ within limits 0 pp	⊗ critical 10.9 %	✅ within limits 0 %
Service and small orders 3.5 Incomplete assessment	⚠ review	⊖ not assessed — No assessable fixed milestone	✅ within limits 0 pp	⚠ review 5.6 %	✅ within limits 0 %

✅ within thresholds ⚠ review ⊗ critical ⊖ not assessed

wd = working days · pp = percentage points · Resources = allocated daily shortfall as % of project demand.
Green means within the selected thresholds. A red resource light does not establish a missed delivery date.

What to clarify now

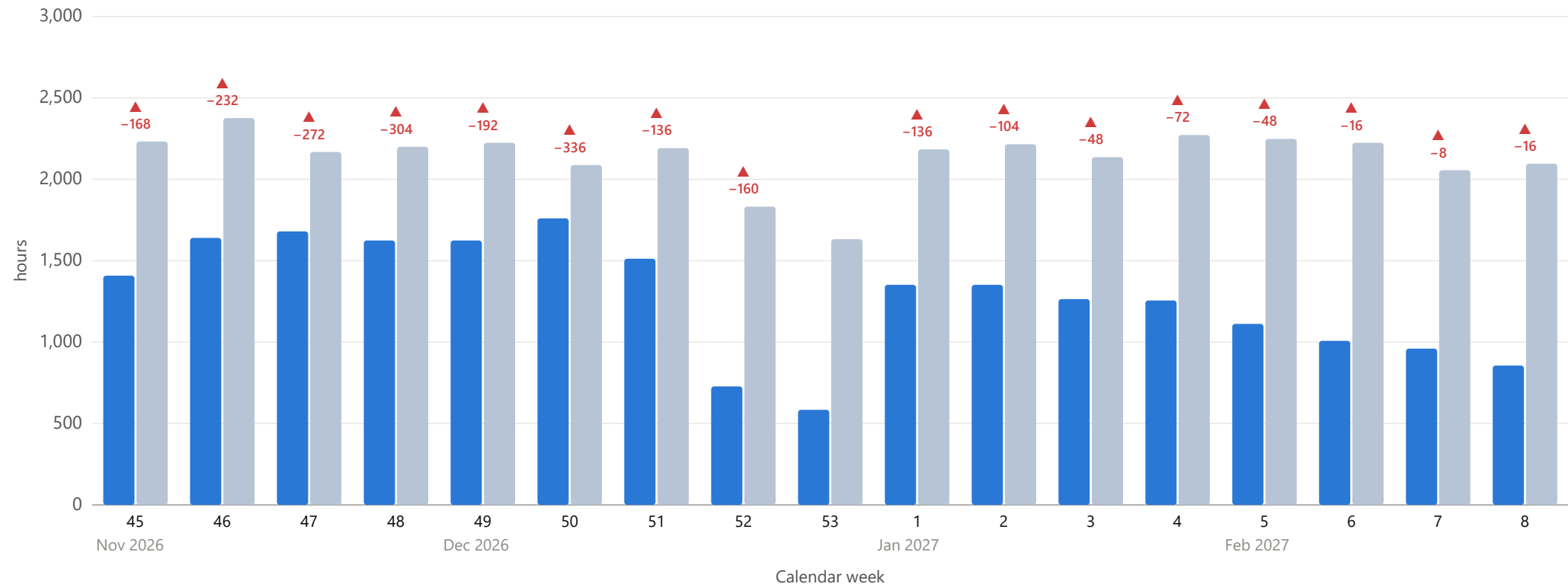
1. First Assembly line MX-200: 5.5 wd · Material and parts available. Recommendation: Clarify the impact on the fixed milestone.
2. Role shortfall: Electrical design – Electrical design engineer carries the largest share of shortfall in 5 of 5 projects.
3. Recommendation: Clarify the extra cost against the baseline – Press R-12 retrofit +12.4 %.

Synthetic test portfolio · Rillsoft Project 10, build 10.0.625 · set state with progress gaps and cost variances.
Costs: current overall plan versus baseline, not recorded actual costs; no currency specified. [Data, thresholds and checks](#)
Analysis values precede the file switch; changes after reopening are listed in the appendix.

2 · Demand and supply over time

■ Demand ■ Supply ▲ Shortfall on individual days

Analysis period: 02.11.2026 – 28.02.2027

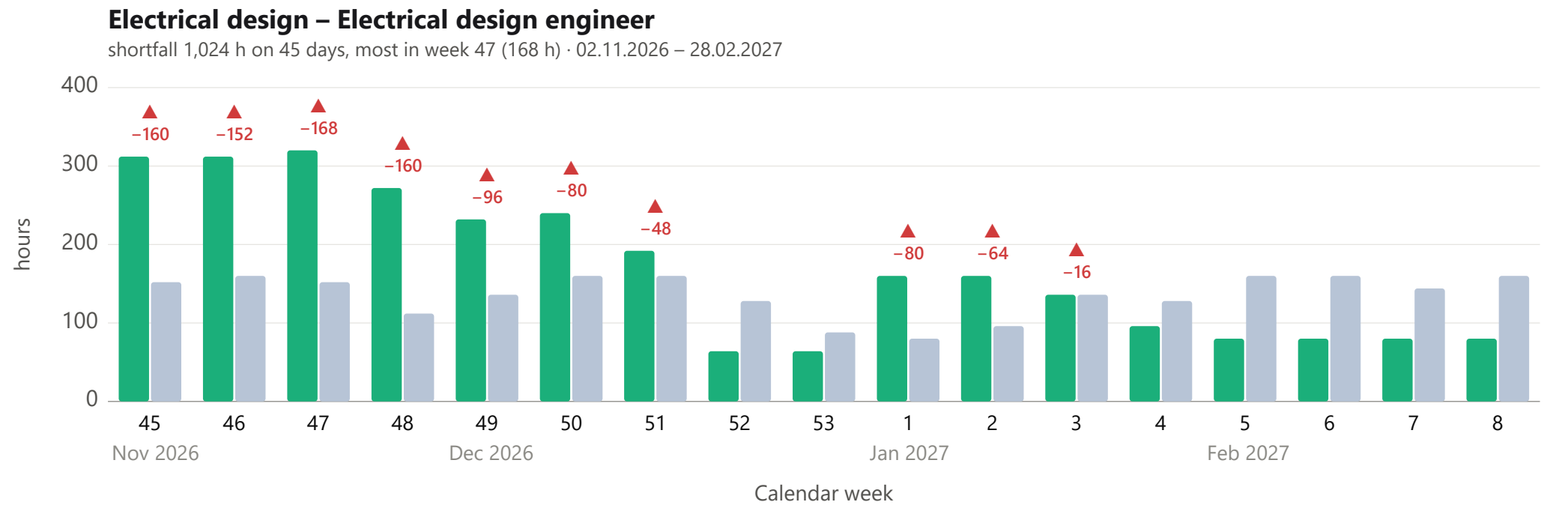


The highest weekly utilisation is in week 50 with 84 % (1,760 against 2,088 hours); there is a shortfall on individual days in 16 of 17 weeks, 2,248 hours in total.

Roles with a shortfall over time

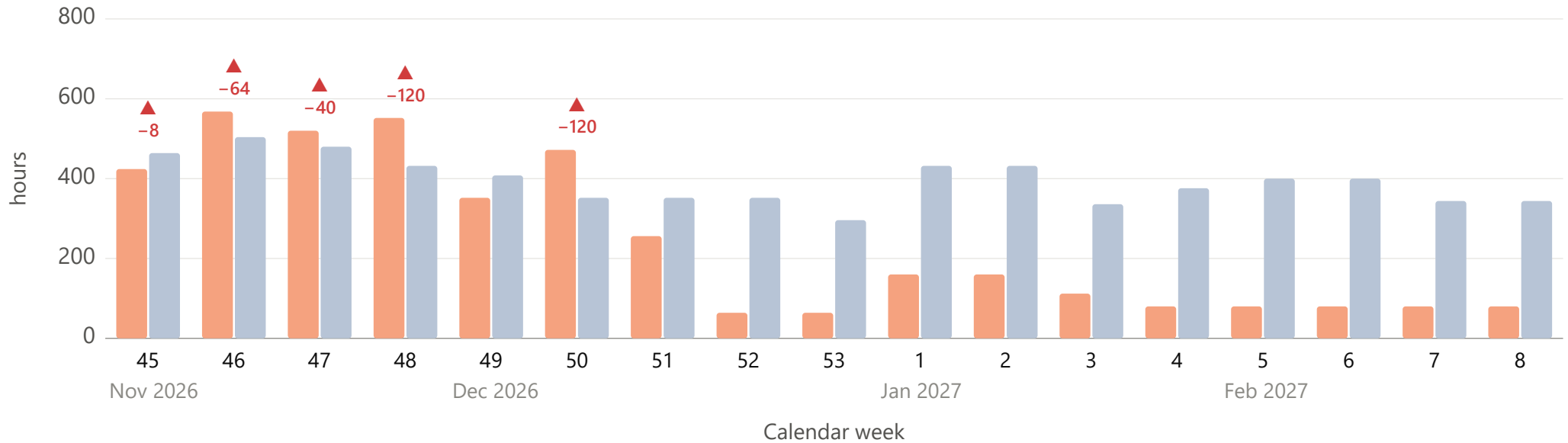
The total of all roles hides where it gets tight – Rillsoft Project calculates the shortfall per job role. So a chart of its own for every role with a shortfall on the same weekly axis, ranked by shortfall.

 Demand in the colour of the role (as in the stacked column chart)  Supply  Shortfall on individual days



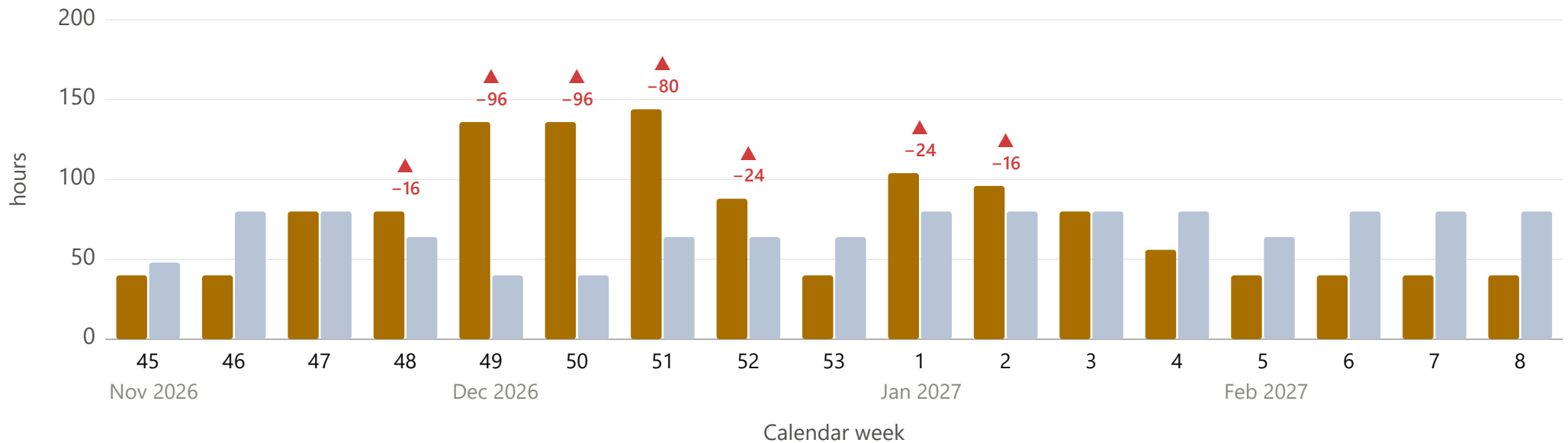
Mechanical design – Mechanical design engineer

shortfall 352 h on 21 days, most in week 48 (120 h) · 02.11.2026 – 28.02.2027



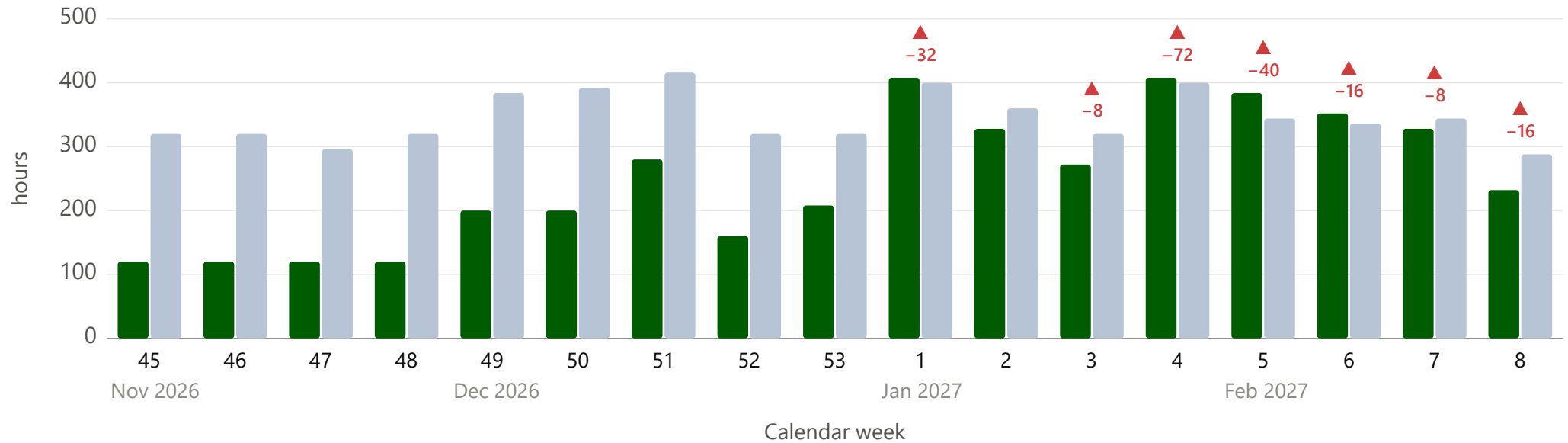
Purchasing and scheduling – Technical buyer

shortfall 352 h on 25 days, most in week 49 (96 h) · 02.11.2026 – 28.02.2027



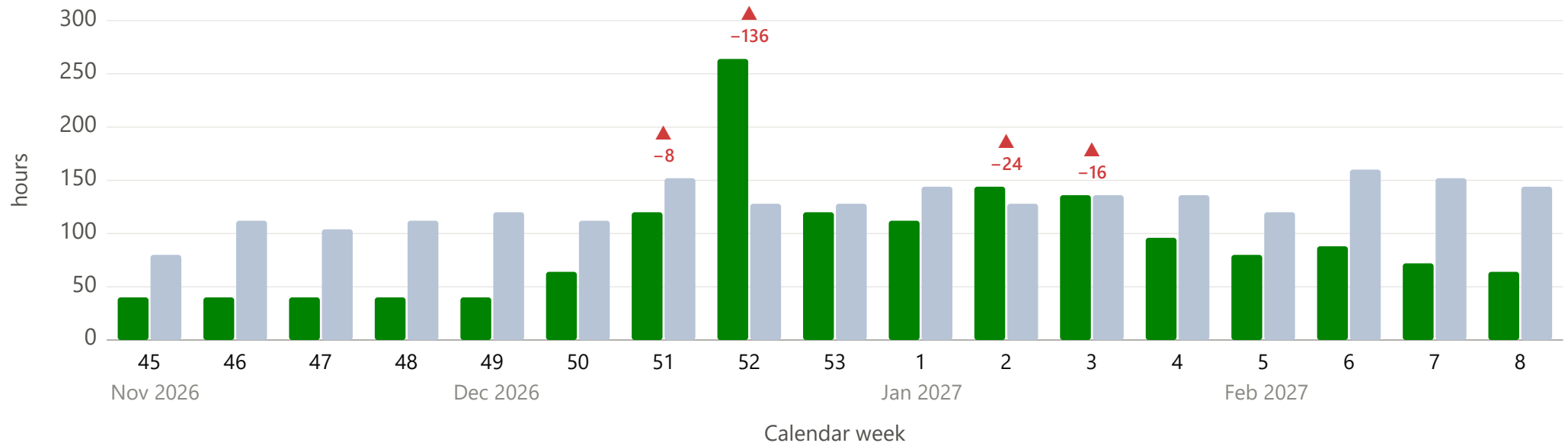
Assembly – Assembly fitter

shortfall 192 h on 14 days, most in week 4 (72 h) · 02.11.2026 – 28.02.2027



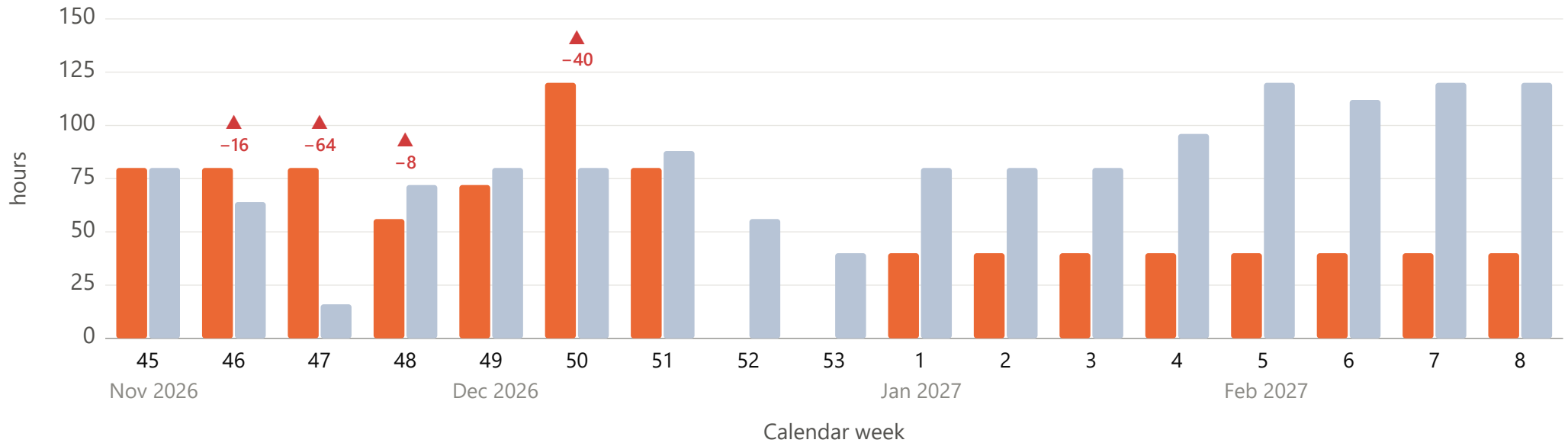
Assembly – Mechatronics technician

shortfall 184 h on 9 days, most in week 52 (136 h) · 02.11.2026 – 28.02.2027



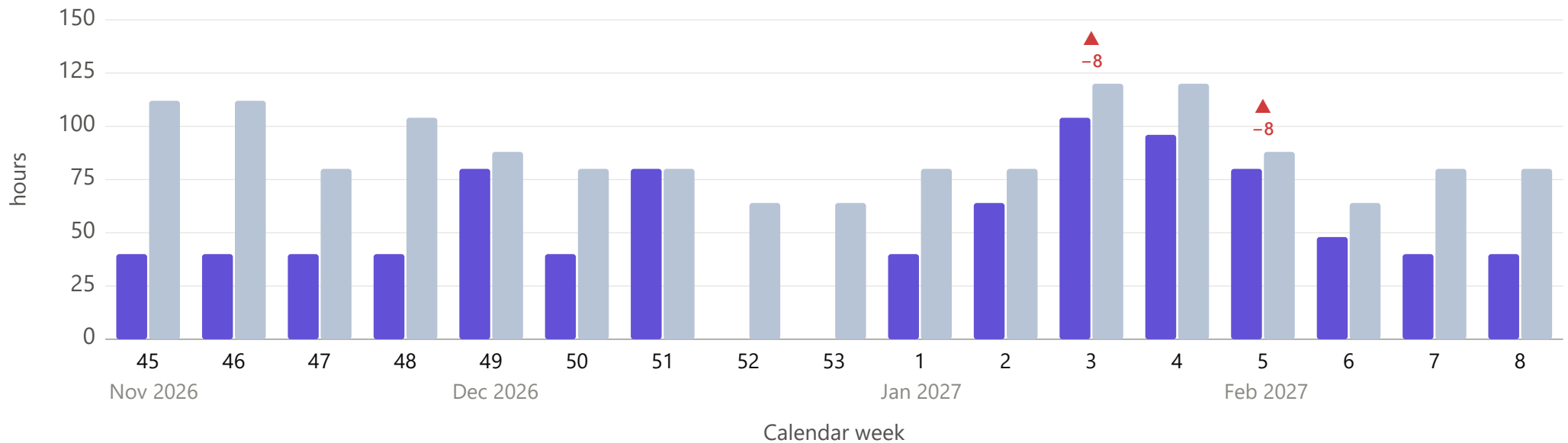
Project management – Project engineer

shortfall 128 h on 13 days, most in week 47 (64 h) · 02.11.2026 – 28.02.2027



Quality inspection – Quality inspector

shortfall 16 h on 2 days, most in week 3 (8 h) · 02.11.2026 – 28.02.2027



3 · Attention list

3.1 Assembly line MX-200

Assessment:  critical

Schedule critical

Finding
5 fixed commitments from the status date; largest required shift 5.5 wd.

Tasks / roles concerned

T1 · Material and parts available
08.02.2027 17:00 → 16.02.2027 12:00 · 5.5 wd

T2 · Development completed
18.12.2026 17:00 → 24.12.2026 15:00 · 3.75 wd

Delayed predecessors · expand paths to commitments:

- Design station 1 feeding · 4.5 wd delay
 ▶ → T1 · 5 steps ▶ → T2 · 2 steps
- Design station 2 joining process · 4 wd delay
 ▶ → T1 · 4 steps ▶ → T2 · 3 steps
- Program the station sequence control · 3.75 wd delay
 ▶ → T1 · 5 steps ▶ → T2 · 2 steps

To clarify · recommendation
Clarify the impact on “Material and parts available” and its predecessor tasks.

Progress review

Finding
Planned 22.5 % · Actual 17.1 % · Gap 5.3 pp / 326 h.

Tasks / roles concerned

- Program the station sequence control · 121.4 h
- Design station 1 feeding · 108 h
- Design station 2 joining process · 96.1 h

To clarify · recommendation
Clarify the progress gap in “Program the station sequence control” (121.4 h).

[Back to project traffic lights](#)

5.5 wd Resources critical 14.4 %

Finding
779 h allocated daily shortfall / 5,408 h project demand = 14.4 %. The project contributes to the bottleneck.

Tasks / roles concerned

Role / trend	Project share	Role in portfolio
Electrical design – Electrical design engineer	335 h	45 days · 10 weeks
Mechanical design – Mechanical design engineer	180 h	21 days · 5 weeks
Purchasing and scheduling – Technical buyer	115 h	25 days · 7 weeks
Assembly – Assembly fitter	77 h	14 days · 7 weeks
Assembly – Mechatronics technician	65 h	9 days · 4 weeks
Quality inspection – Quality inspector	6 h	2 days · 2 weeks

Days and weeks describe the role across the portfolio. Project-specific bottleneck days are not evidenced here. The full conflict matrix (question 12) is not selected as a chapter.

To clarify · recommendation
Clarify capacity for Electrical design – Electrical design engineer (335 h project share).

5.3 pp Costs review +5.5 %

Finding
Baseline 440,480 · current plan 464,872 · Variance +24,392 (+5.5 %).

Tasks / roles concerned

- Design station 1 feeding · 17,520 → 25,920 · +8,400
- Design station 2 joining process · 17,040 → 25,440 · +8,400
- Program the station sequence control · 27,000 → 34,592 · +7,592

Current overall plan versus baseline; not recorded actual costs, no currency specified.

To clarify · recommendation
Clarify the extra cost in “Design station 1 feeding” (+8,400).

Values are rounded independently; sums and differences can differ. Recommendations do not change the plan.

Schedule within limits

Finding

3 fixed commitments from the status date; largest required shift 0 wd.

Tasks / roles concerned

No at-risk fixed commitment in the results. Other dimensions can still have issues.

To clarify · recommendation

This schedule finding implies no additional action.

Progress within limits

Finding

Planned 8.6 % · Actual 7.5 % · Gap 1.1 pp / 20 h.

Tasks / roles concerned

- Prepare the safety concept for the press · 19.8 h

To clarify · recommendation

No additional action follows while this assessment is unchanged.

0 wd Resources critical**18.4 %**

Finding

344 h allocated daily shortfall / 1,864 h project demand = 18.4 %. The project contributes to the bottleneck.

Tasks / roles concerned

Role / trend	Project share	Role in portfolio
Electrical design – Electrical design engineer	185 h	45 days · 10 weeks
Mechanical design – Mechanical design engineer	56 h	21 days · 5 weeks
Project management – Project engineer	44 h	13 days · 4 weeks
Purchasing and scheduling – Technical buyer	30 h	25 days · 7 weeks
Assembly – Mechatronics technician	18 h	9 days · 4 weeks
Assembly – Assembly fitter	11 h	14 days · 7 weeks

Days and weeks describe the role across the portfolio. Project-specific bottleneck days are not evidenced here. The full conflict matrix (question 12) is not selected as a chapter.

To clarify · recommendation

Clarify capacity for Electrical design – Electrical design engineer (185 h project share).

Costs critical**+12.4 %**

Finding

Baseline 116,056 · current plan 130,456 · Variance +14,400 (+12.4 %).

Tasks / roles concerned

- Prepare the mechanical conversion design · 17,280 → 25,920 · +8,640
- Engineer the new circuit diagram · 11,520 → 17,280 · +5,760

Current overall plan versus baseline; not recorded actual costs, no currency specified.

To clarify · recommendation

Clarify the extra cost in “Prepare the mechanical conversion design” (+8,640).

Schedule within limits

Finding

3 fixed commitments from the status date; largest required shift 0 wd.

Tasks / roles concerned

No at-risk fixed commitment in the results. Other dimensions can still have issues.

To clarify · recommendation

This schedule finding implies no additional action.

Progress within limits

Finding

Planned 34.3 % · Actual 34.3 % · Gap 0 pp / 0 h.

Tasks / roles concerned

No tasks with a progress gap in the results.

To clarify · recommendation

No additional action follows while this assessment is unchanged.

0 wd Resources critical**18.1 %**

Finding

310 h allocated daily shortfall / 1,712 h project demand = 18.1 %. The project contributes to the bottleneck.

Tasks / roles concerned

Role / trend	Project share	Role in portfolio
Electrical design – Electrical design engineer	100 h	45 days · 10 weeks
Purchasing and scheduling – Technical buyer	86 h	25 days · 7 weeks
Assembly – Mechatronics technician	72 h	9 days · 4 weeks
Mechanical design – Mechanical design engineer	41 h	21 days · 5 weeks
Assembly – Assembly fitter	8 h	14 days · 7 weeks
Quality inspection – Quality inspector	2 h	2 days · 2 weeks

Days and weeks describe the role across the portfolio. Project-specific bottleneck days are not evidenced here. The full conflict matrix (question 12) is not selected as a chapter.

To clarify · recommendation

Clarify capacity for Electrical design – Electrical design engineer (100 h project share).

Costs within limits**+4 %**

Finding

Baseline 145,448 · current plan 151,208 · Variance +5,760 (+4 %).

Tasks / roles concerned

- Design the cell frame and enclosure · 11,520 → 17,280 · +5,760

Current overall plan versus baseline; not recorded actual costs, no currency specified.

To clarify · recommendation

No additional action follows while this assessment is unchanged.

Schedule within limits

Finding

4 fixed commitments from the status date; largest required shift 0 wd.

Tasks / roles concerned

No at-risk fixed commitment in the results. Other dimensions can still have issues.

To clarify · recommendation

This schedule finding implies no additional action.

Progress within limits

Finding

Planned 0 % · Actual 0 % · Gap 0 pp / 0 h.

Tasks / roles concerned

No tasks with a progress gap in the results.

To clarify · recommendation

No additional action follows while this assessment is unchanged.

0 wd Resources critical**10.9 %**

Finding

211 h allocated daily shortfall / 1,936 h project demand = 10.9 %. The project contributes to the bottleneck.

Tasks / roles concerned

Role / trend	Project share	Role in portfolio
Electrical design – Electrical design engineer	80 h	45 days · 10 weeks
Assembly – Assembly fitter	43 h	14 days · 7 weeks
Project management – Project engineer	27 h	13 days · 4 weeks
Purchasing and scheduling – Technical buyer	21 h	25 days · 7 weeks
Mechanical design – Mechanical design engineer	20 h	21 days · 5 weeks
Assembly – Mechatronics technician	18 h	9 days · 4 weeks
Quality inspection – Quality inspector	2 h	2 days · 2 weeks

Days and weeks describe the role across the portfolio. Project-specific bottleneck days are not evidenced here. The full conflict matrix (question 12) is not selected as a chapter.

To clarify · recommendation

Clarify capacity for Electrical design – Electrical design engineer (80 h project share).

Costs within limits**0 %**

Finding

Baseline 151,544 · current plan 151,544 · Variance 0 (0 %).

Tasks / roles concerned

No tasks with a cost variance in the results.

Current overall plan versus baseline; not recorded actual costs, no currency specified.

To clarify · recommendation

No additional action follows while this assessment is unchanged.

Schedule not assessed

Finding
No assessable fixed milestone

Tasks / roles concerned
No assessable data for this dimension.

To clarify · recommendation
Clarify the data needed for this assessment.

Progress within limits

Finding
Planned 27.1 % · Actual 27.1 % · Gap 0 pp / 0 h.

Tasks / roles concerned
No tasks with a progress gap in the results.

To clarify · recommendation
No additional action follows while this assessment is unchanged.

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Resources review **5.6 %**

0 pp

Finding
604 h allocated daily shortfall / 10,800 h project demand = 5.6 %. The project contributes to the bottleneck.

Tasks / roles concerned

Role / trend	Project share	Role in portfolio
Electrical design – Electrical design engineer	323 h	45 days · 10 weeks
Purchasing and scheduling – Technical buyer	99 h	25 days · 7 weeks
Project management – Project engineer	57 h	13 days · 4 weeks
Mechanical design – Mechanical design engineer	54 h	21 days · 5 weeks
Assembly – Assembly fitter	53 h	14 days · 7 weeks
Assembly – Mechatronics technician	11 h	9 days · 4 weeks
Quality inspection – Quality inspector	6 h	2 days · 2 weeks

Days and weeks describe the role across the portfolio. Project-specific bottleneck days are not evidenced here. The full conflict matrix (question 12) is not selected as a chapter.

To clarify · recommendation
Clarify capacity for Electrical design – Electrical design engineer (323 h project share).

Costs within limits **0 %**

Finding
Baseline 1,192,272 · current plan 1,192,272 · Variance 0 (0 %).

Tasks / roles concerned
No tasks with a cost variance in the results.

Current overall plan versus baseline; not recorded actual costs, no currency specified.

To clarify · recommendation
No additional action follows while this assessment is unchanged.

Values are rounded independently; sums and differences can differ. Recommendations do not change the plan.

Data and checks

One pass, each view read once: project structure with float, calendars, conflict list, planned progress with undo, staff capacity comparison per role (day and week) and per role × project (day), time filter 02.11.2026 00:00 – 28.02.2027 23:59. Schedule read-only from the negative float of fixed milestones; costs last per project from the cost variance of the project file against the baseline (current plan, no actual costs), portfolio reopened afterwards. Nothing saved.

Traffic light thresholds used

Schedule: amber > 0, red > 5 wd · Progress: amber > 5, red > 15 pp · Resources: amber > 0, red > 10 % · Costs: amber > 5, red > 10 %.

- ✓ Actual progress unchanged for every task after undoing
- ✓ View and time scale reset
- ✓ Ranking equal to the overall status
- ✓ Lights equal to the overall status
- ✓ Program weekly report = sum of daily values
- ✓ Charts per role: total per role and per week equal to the overall trend
- ✓ Sum of task variances = cost variance per project
- ✓ Portfolio reopened after reading the project files
- ✓ Cost variance per project equal to the overall status
- ✓ Demand and shortfall of the trend equal to chapter 1 (same daily report)

Changes after the file switch

- Status date before / after reopening: **16.11.2026 08:00 → 17.10.2026 00:00**
- Effort unit before / after reopening: **hour → shift**