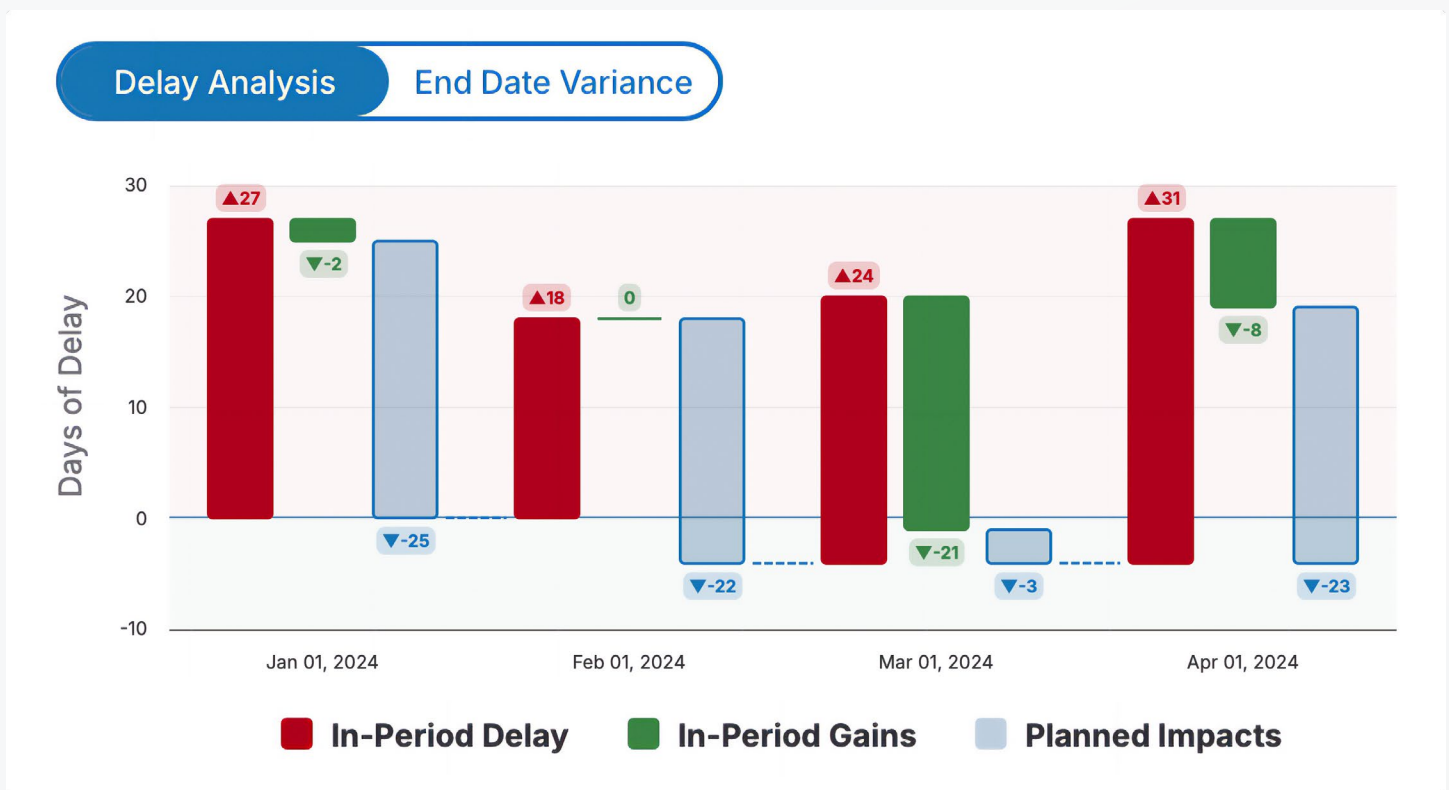# SmartPM®

Run Your Own Delay Analysis
Gain Clarity on Project Delays

Understand project delays with SmartPM's newly redesigned automated Windows Half-Step Delay Analysis. Analyze day-by-day impacts, including delays, realized gains, compression, and schedule changes impacting the critical path.

Delay Analysis | End Date Variance

Chart — Days of Delay

	Jan 01, 2024	Feb 01, 2024	Mar 01, 2024	Apr 01, 2024
In-Period Delay	▲27	▲18	▲24	▲31
In-Period Gains	▼-2	0	▼-21	▼-8
Planned Impacts	▼-25	▼-22	▼-3	▼-23

Legend: ■ In-Period Delay ■ In-Period Gains ■ Planned Impacts

Understand the Why

Quickly identify specific activities contributing to delays or gains to evaluate their impact on project completion.

Cumulative and In-Period Views

Toggle between cumulative totals or isolate in-period data to assess schedule performance at different stages of the project.

Period 1 ✕

Data Date	End Date Variance
01/01/24	08/16/24 +0 days

Cumulative Delay	Cumulative Planned Impacts	Cumulative End Date Variance
25	25	0

During this period, 27 days of critical path delay were observed.

Delays — 27 days

STR.C.110	INSTALL STAIRS AND HANDRAILS - ...	1
SM.07.100	DEVELOPMENT OF SHOP DWG. / DA...	4
SM.08.130	REVIEW / APPROVAL PERIOD - HMF	1
SM.08.170	REVIEW / APPROVAL PERIOD - DOOR...	1

Gains — 2 days

STR.C.110	INSTALL STAIRS AND HANDRAILS	2

At the end of this period, end date variance did not change.

Changes made in-period — See All

Activity Changes	1
Critical Changes	15

Period	Planned Impact
0	0
1	-25
2	-22

Measure the Impact of Changes

See how schedule changes - like logic adjustments or duration updates - mitigate delay, improve performance, and impact the project end date.
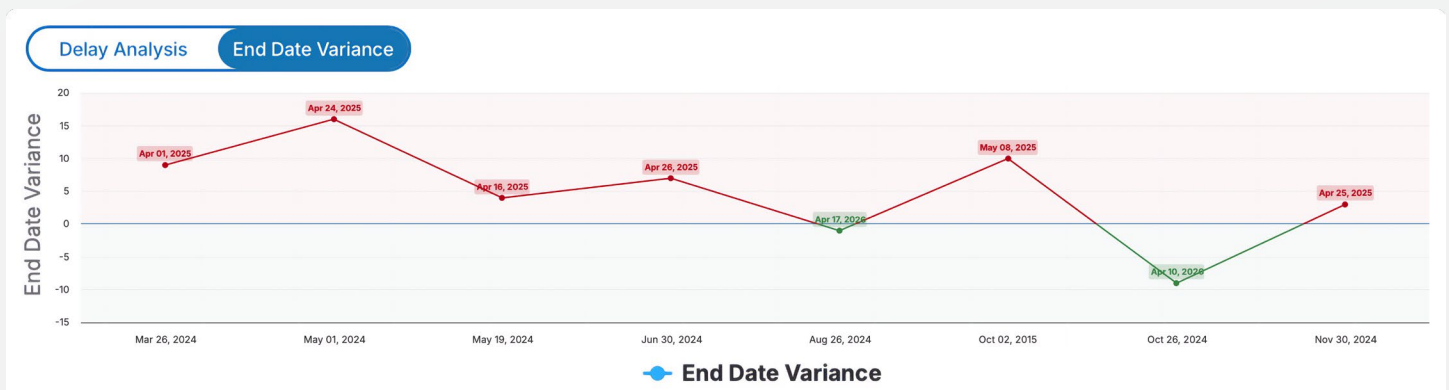
See the Dynamics Affecting Your End Date

Instantly visualize the tension between delay and realized gains on your end date across update periods.

Period	Gains / Delay	
0	N/A	
1	2	27
2	0	18

Keep an Eye on Your Project

View how changes to the schedule - whether delays, gains, or changes to the future of the schedule - impact your project's forecasted completion date.

Delay Analysis | **End Date Variance**

Chart — End Date Variance

Date	Label
Apr 01, 2025	Apr 01, 2025
Apr 24, 2025	Apr 24, 2025
May 06, 2025	May 06, 2025
Apr 26, 2025	Apr 26, 2025
Apr 17, 2024	Apr 17, 2024
May 09, 2025	May 09, 2025
Apr 30, 2024	Apr 30, 2024
Apr 25, 2025	Apr 25, 2025

X-axis: Mar 26, 2024 | May 01, 2024 | May 19, 2024 | Jun 30, 2024 | Aug 26, 2024 | Oct 02, 2015 | Oct 26, 2024 | Nov 30, 2024

Legend: ◆ End Date Variance

Tie Delays to Root Causes

Understand if delays stem from sequence changes, resource misalignment, or external issues.

Evaluate Recovery Feasibility

Compare planned changes to actual impacts for smarter adjustments.

Build a Case with Clear, Accurate Data

Track what caused shifts in the timeline, support claims, and ensure accountability with a clear record of project impacts.

Start Your Delay Analysis Today - Visit smartpm.com