



How to Use Readily Available AI and Digital Tools to Improve Delivery

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Presenters:



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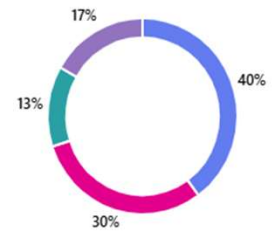
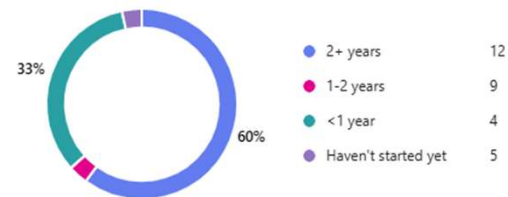


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1. Which project/program stakeholder are you?

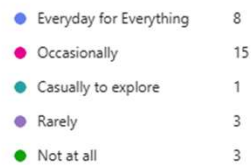


2. How Long have you been using AI?

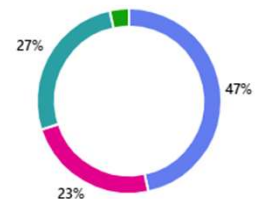


Poll Results

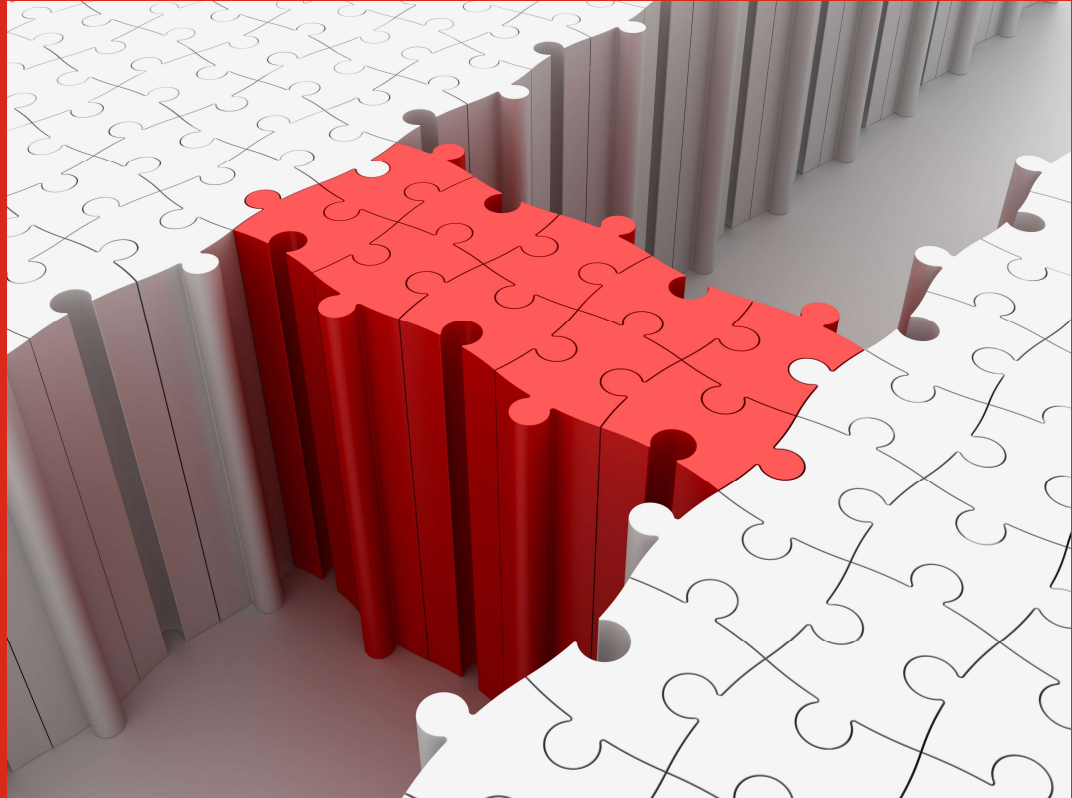
3. How often do you utilize AI functions in your day-to-day routines?



4. When is the last time you have used a new technology (any technology)?



The Overview
**Connect Your Current
State with Future
Possibilities**



The Problem We See

- ▶ Owners and vendors know digital tools exist...
- ▶ Common Misconceptions:
 - “Too expensive”
 - “Too complicated”
 - “Requires full transformation”
- ▶ Result:
 - Manual workflows persist
 - Lost time and missed insights
 - Underutilized data

The Reality

- ▶ AI and digital tools are already embedded in what you use daily
- ▶ No major system implementation required
- ▶ No new platform needed
- ▶ The challenge is NOT technology
 - The challenge is adoption + workflow integration

The Path

This session will show you real ways to:

- ▶ Identify low-cost, high-impact tools
- ▶ Apply AI to real project workflows immediately
- ▶ Improve project delivery and reporting quality
- ▶ Support project turnover and operations readiness

The Easy Win

- ▶ Requires little to no capital investment
- ▶ Uses tools you already own
- ▶ Can be implemented within days, not months
- ▶ Scalable across:
 - Projects
 - Programs
 - Entire organizations

Where the Digital Things Are



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Where the Wins Live

- ▶ Microsoft 365
- ▶ Google Workspace
- ▶ PMIS Platforms (Procore, Trimble, Kahua, Forma)
- ▶ Controls Tools (P6, Timberline, Adobe, Bluebeam)
- ▶ Management Systems (ERP, CRM, HRM)
- ▶ Devices (Cellphone, Tablets, Laptops, Watches, Glasses)
- ▶ Sensors & Fixtures

Digital Migration's Many Faces

Hard Copy/Static Processes



Digital Solution(s)

Disparate Digital Solutions



**Interconnected
Solution**

Interconnected Solution



**Consolidated
System**

Consolidated System



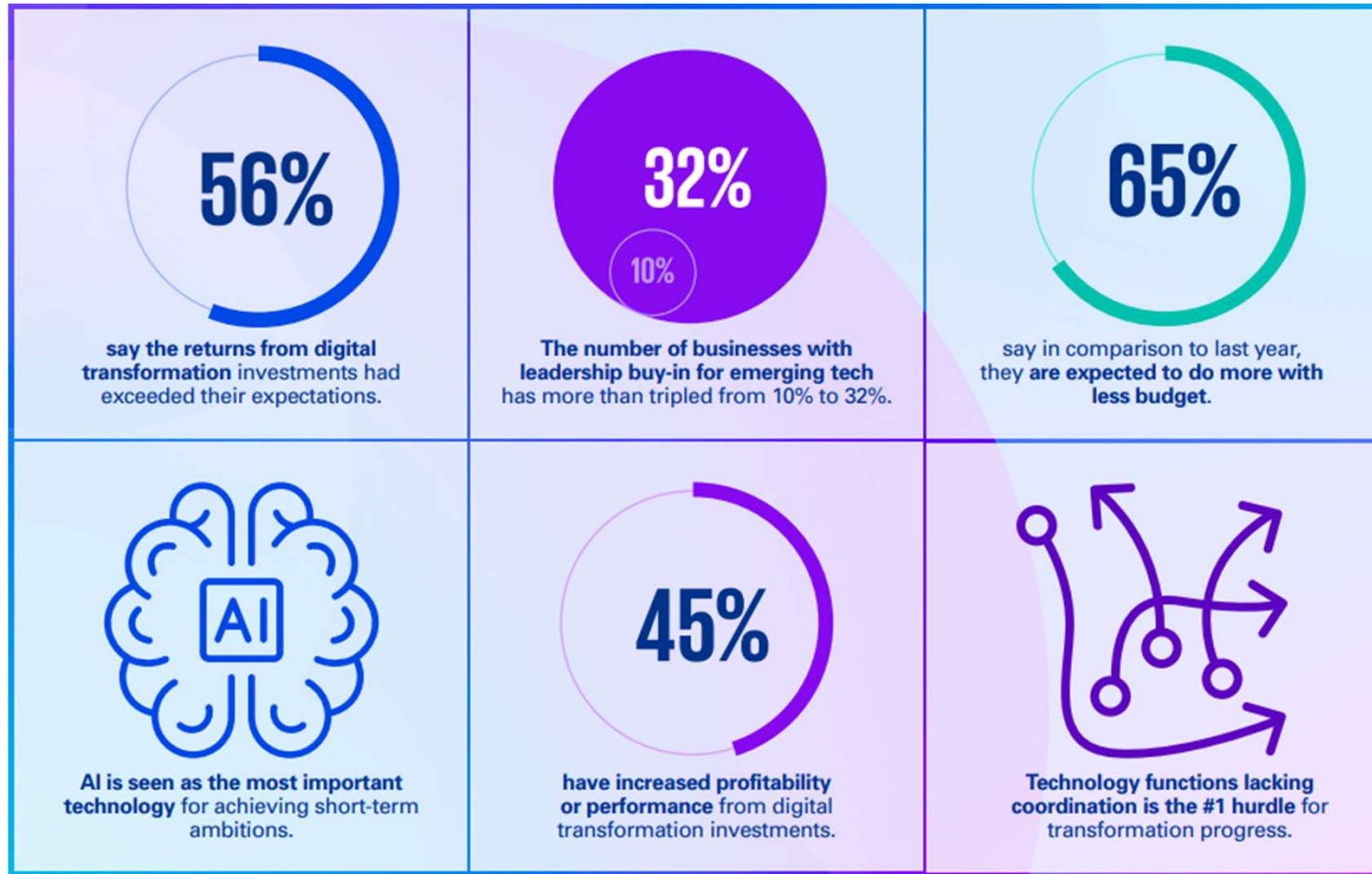
**Organization Level
Tool**

“You may delay, but time will not.”



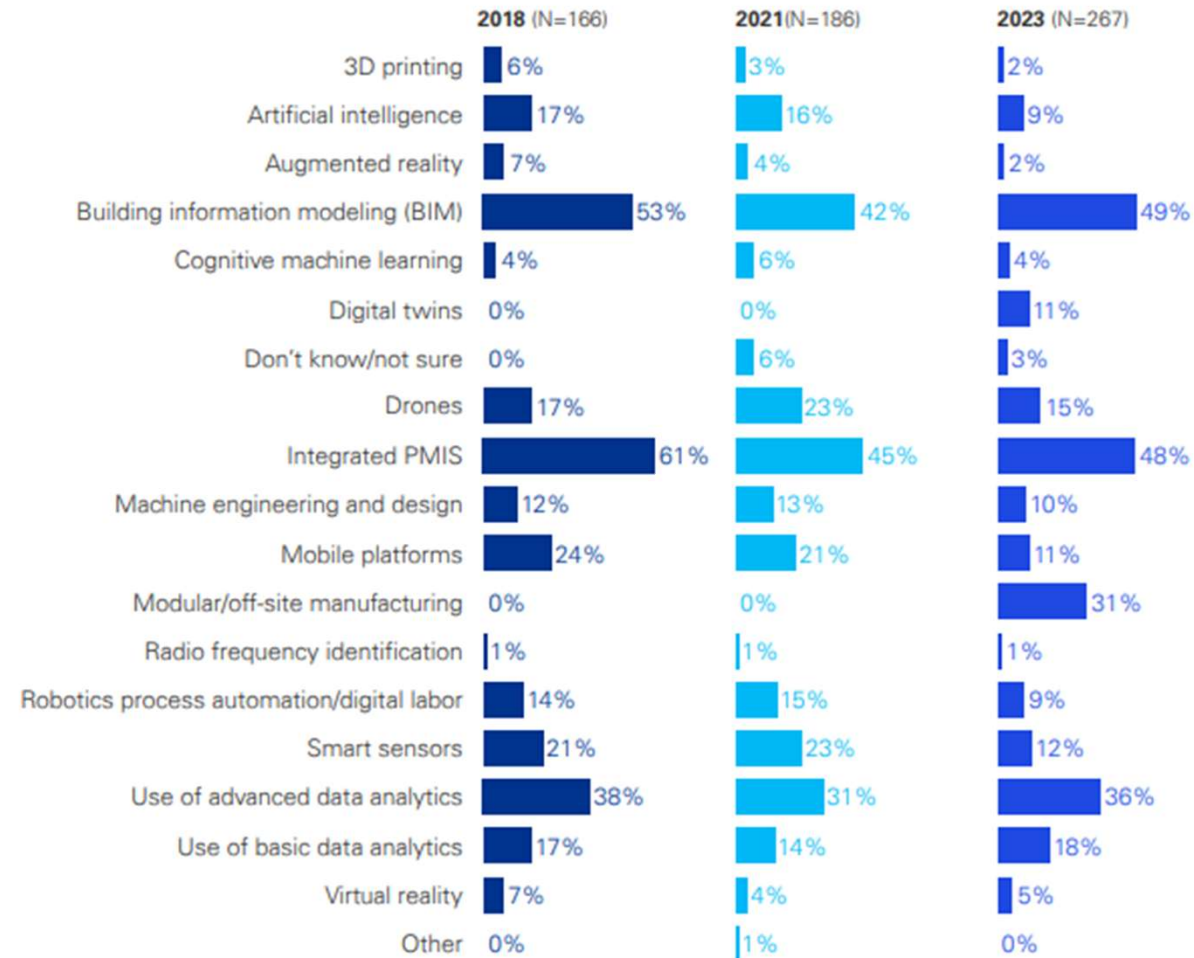
— Benjamin Franklin

The “Why”



The “Why”

Exhibit 17: Technologies with potential to deliver the greatest overall ROI



Source: KPMG 2023 US Technology Survey Report

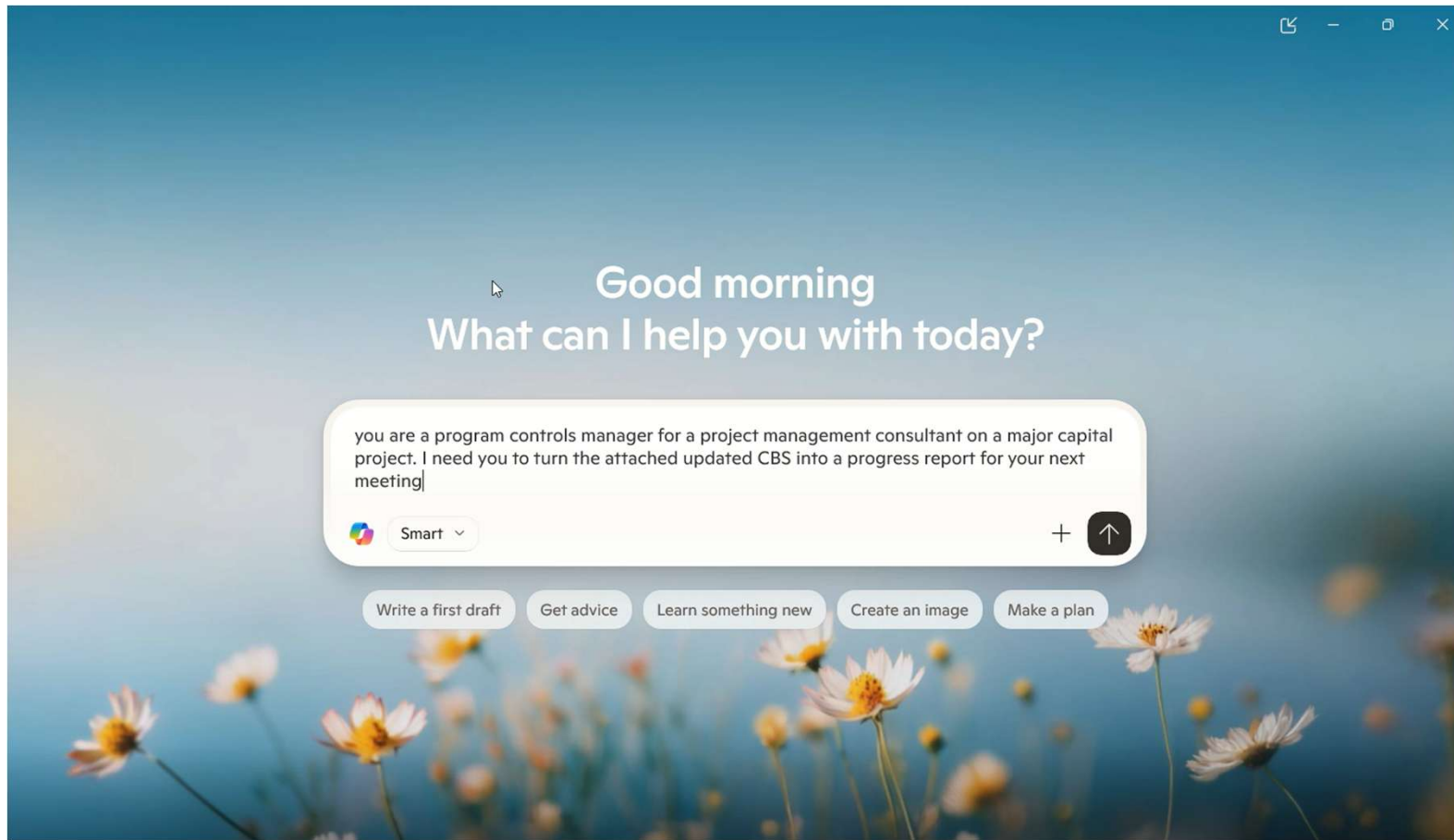
From Theory to Practice!

An example of how AI you already have access to, can supercharge your teams!



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AI Demo (Copilot): Cost & Progress Reporting



H7					
	A	B	C	D	E
1	CBS Code	Description	Budget	Actuals	Remaining
2	1.0	Pre-Construction	\$ 12,500,000.00	\$ 12,100,000.00	\$ 400,000.00
3	1.1	Planning & Programming	\$ 2,000,000.00	\$ 1,974,000.00	\$ 26,000.00
4	1.2	Design Services	\$ 7,500,000.00	\$ 6,852,000.00	\$ 648,000.00
5	1.3	Permitting & Approvals	\$ 1,500,000.00	\$ 1,511,000.00	\$ (11,000.00)
6	1.4	Pre-Construction Management	\$ 1,500,000.00	\$ 1,500,000.00	\$ -
7	2.0	Sitework & Civil	\$ 32,000,000.00	\$ 33,897,000.00	\$ (1,897,000.00)
8	2.1	Site Preparation	\$ 6,000,000.00	\$ 4,970,000.00	\$ 1,030,000.00
9	2.2	Earthwork & Grading	\$ 8,000,000.00	\$ 7,986,000.00	\$ 14,000.00
10	2.3	Utilities	\$ 10,000,000.00	\$ 12,111,000.00	\$ (2,111,000.00)
11	2.4	Roadways & Parking	\$ 6,000,000.00	\$ 6,000,000.00	\$ -
12	2.5	Landscaping & Hardscape	\$ 2,000,000.00	\$ 2,000,000.00	\$ -
13	3.0	Building Construction	\$ 140,000,000.00	\$ 140,583,000.00	\$ (583,000.00)
14	3.1	Structural	\$ 40,000,000.00	\$ 39,500,000.00	\$ 500,000.00
15	3.1.1	Foundations	\$ 15,000,000.00	\$ 15,000,000.00	\$ -
16	3.1.2	Structural Steel	\$ 20,000,000.00	\$ 18,742,000.00	\$ 1,258,000.00
17	3.1.3	Slabs & Platforms	\$ 5,000,000.00	\$ 5,000,000.00	\$ -
18	3.2	Architectural	\$ 45,000,000.00	\$ 39,600,000.00	\$ 5,400,000.00
19	3.2.1	Envelope	\$ 20,000,000.00	\$ 19,872,000.00	\$ 128,000.00
20	3.2.2	Interiors	\$ 12,000,000.00	\$ 12,762,000.00	\$ (762,000.00)
21	3.2.3	Doors & Windows	\$ 8,000,000.00	\$ 7,700,000.00	\$ 300,000.00
22	3.2.4	Specialty Rooms	\$ 5,000,000.00	\$ 5,090,000.00	\$ (90,000.00)
23	3.3	Mechanical	\$ 22,000,000.00	\$ 27,000,000.00	\$ (5,000,000.00)
24	3.4	Electrical	\$ 23,000,000.00	\$ 22,831,000.00	\$ 169,000.00
25	3.5	Plumbing & Fire Protection	\$ 10,000,000.00	\$ 11,247,000.00	\$ (1,247,000.00)
26	4.0	Maintenance Facility Equipment	\$ 38,000,000.00	\$ 41,000,000.00	\$ (3,000,000.00)
27	4.1	Heavy Maintenance Equipment	\$ 18,000,000.00	\$ 18,045,000.00	\$ (45,000.00)



28	4.2	Shop Equipment	\$ 8,000,000.00	\$ 8,000,000.00	\$ -
29	4.3	Diagnostic Systems	\$ 5,000,000.00	\$ 4,992,000.00	\$ 8,000.00
30	4.4	Fueling Systems	\$ 4,000,000.00	\$ 4,000,000.00	\$ -
31	4.5	Storage Systems	\$ 3,000,000.00	\$ 2,999,872.00	\$ 128.00
32	5.0	Technology & Systems	\$ 9,500,000.00	\$ 10,213,000.00	\$ (713,000.00)
33	5.1	IT Infrastructure	\$ 3,000,000.00	\$ 2,948,000.00	\$ 52,000.00
34	5.2	Security Systems	\$ 2,500,000.00	\$ 2,500,000.00	\$ -
35	5.3	Facility Management Systems	\$ 2,000,000.00	\$ 2,000,000.00	\$ -
36	5.4	Communications	\$ 2,000,000.00	\$ 1,787,546.00	\$ 212,454.00
37	6.0	Environmental, Health & Safety	\$ 3,000,000.00	\$ 3,000,000.00	\$ -
38	6.1	Environmental Mitigation	\$ 1,500,000.00	\$ 1,500,000.00	\$ -
39	6.2	Safety Systems	\$ 1,000,000.00	\$ 965,417.00	\$ 34,583.00
40	6.3	Hazardous Materials	\$ 500,000.00	\$ 500,000.00	\$ -
41	7.0	PM/CM	\$ 8,000,000.00	\$ 8,116,547.00	\$ (116,547.00)
42	7.1	PM/CM Staff	\$ 4,000,000.00	\$ 3,978,555.00	\$ 21,445.00
43	7.2	Inspection & Testing	\$ 2,000,000.00	\$ 2,000,000.00	\$ -
44	7.3	Commissioning	\$ 2,000,000.00	\$ 2,000,000.00	\$ -
45	8.0	Contingency	\$ 7,000,000.00	\$ 3,100,000.00	\$ 3,900,000.00
46	8.1	Design Contingency	\$ 2,000,000.00	\$ 374,000.00	\$ 1,626,000.00
47	8.2	Construction Contingency	\$ 5,000,000.00	\$ 5,000,000.00	\$ -
48	9.0	Owner Furnished Items	\$ 500,000.00	\$ 480,000.00	\$ 20,000.00
49	10.0	Closeout	\$ 500,000.00	\$ 397,000.00	\$ 103,000.00
50					
51		Totals	\$ 586,000,000.00	\$ 585,724,937.00	\$ 275,063.00

Demo 2 Copilot: Cost & Progress Reporting (cont)

28

Click to add notes



Today

maintenance_fa...

I need you to show the monthly cost curve and EVM data on the attached PDF graphically.

Copilot

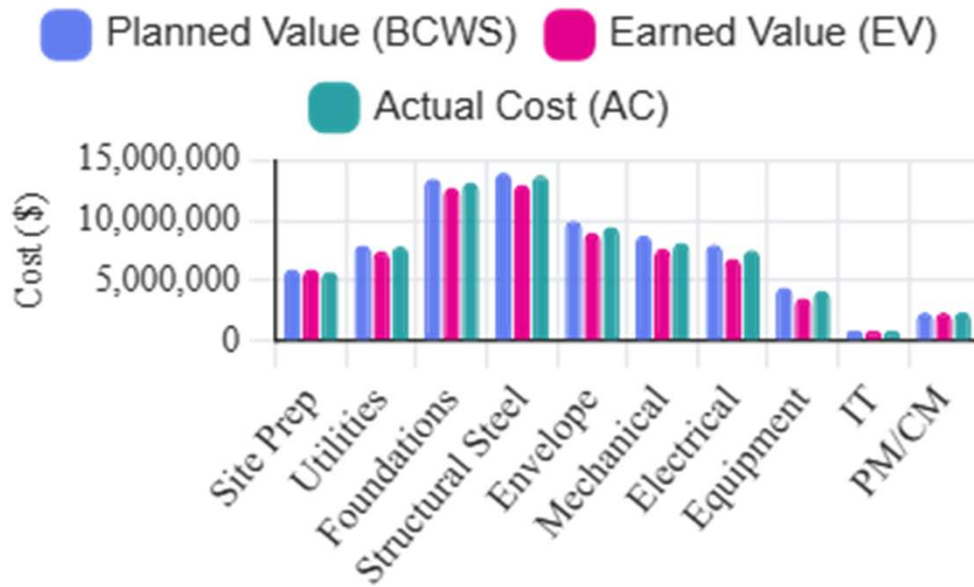
Coding and executing >

Message Copilot



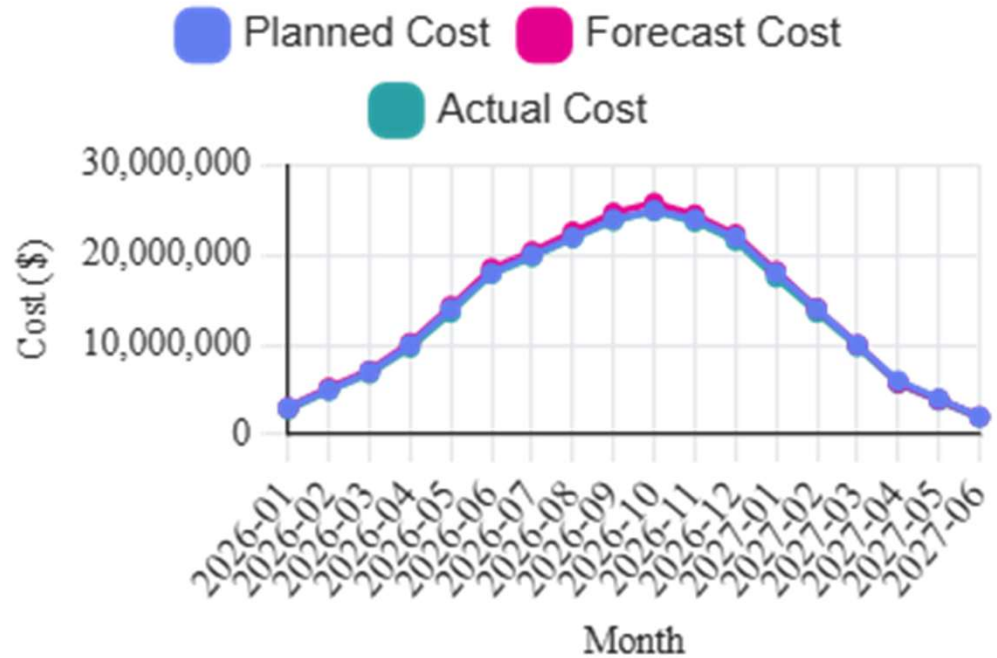
AI-generated content may be incorrect

Earned Value Management by Discipline



X

Monthly Project Cost Curve



Results in Real-Time



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Project Example – Austin ISD

Objective

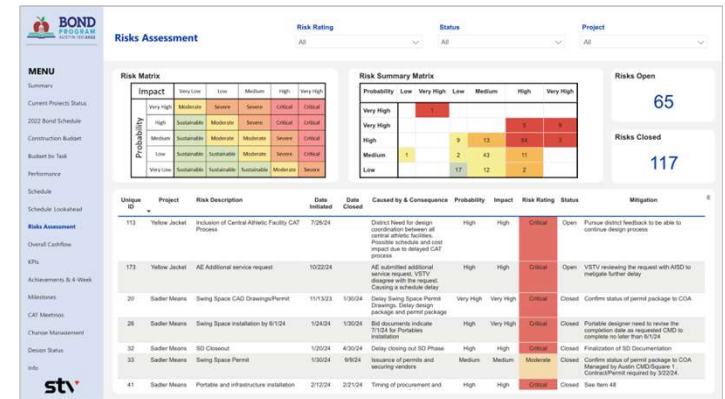
Develop a centralized Power BI reporting solution for Austin ISD's \$2.44B bond program to improve transparency, track project progress, and support data-driven decision-making across a complex, multi-school capital improvement program.

Key Contributions

- ▶ Consolidated program data into a single, accessible reporting platform.
- ▶ Integrated data from Primavera and other project management tools to track schedules, procurement, milestones, risks, costs, cash flow, change management, design status, permits, and construction updates.
- ▶ Created a baseline program schedule to establish a consistent framework for monitoring progress across individual school projects.
- ▶ Built interactive KPIs, budget breakdowns, scope definitions, project status views, and a risk matrix categorized by probability and impact.
- ▶ Improved stakeholder communication by giving Austin ISD leadership and project teams a clearer line of sight into program performance.

Outcomes

- ▶ Improved transparency, accountability, and communication across the bond program.
 - ▶ Enabled proactive risk management and more timely decision-making using real-time, consolidated project insights.
- Reduced reliance on manual reporting and established a scalable digital reporting model that can support future school bond and capital improvement programs.





Q&A

Ask us Anything!