



PROJECT MANAGEMENT
CENTER FOR EXCELLENCE

A.J. CLARK SCHOOL OF ENGINEERING
Civil & Environmental Engineering Department

UNIVERSITY OF MARYLAND
2026 PROJECT MANAGEMENT SYMPOSIUM

AI in Project Management: From Reactive to Predictive - AI Agents That Detect Risk and Automate the Noise

Dr. Gloria Enjuweh

PMP, SAFe SPC, DoD Clearance | Founder, ExecutelQ

PMSYMPOSIUM.UMD.EDU

Who I Am

Dr. Gloria Enjuweh – The Execution Doctor

Doctorate (Tufts University)

PMP | SAFe RTE | SAFe SPC | ICP-ACC

Executive Education

- AI Strategy: MIT Sloan & Harvard (HBS)
- Data Strategy: UC Berkeley Haas

By Day

- Agile & Project Delivery Leader
- Federal Government, DoD Secret Clearance
- Fortune 500

By Night

- Founder & CEO,  ExecutelQ

Award Recognition

- Innovation Award, FJ - MAD

Agenda:

1. **The Problem** — Why delivery intelligence is broken
2. **The War Room** — A \$1.5M lesson in governance
3. **The Data Journey** — Where AI in PM actually starts
4. **AI in Action** — 3 use cases you can implement
5. **Your Next Move** — 3 actions to take this week



I've Seen What Breaks

The Reality:

1

Scattered Context

Decisions buried in Slack, notes lost

2

The Admin Tax

10+ hours/week gathering status

3

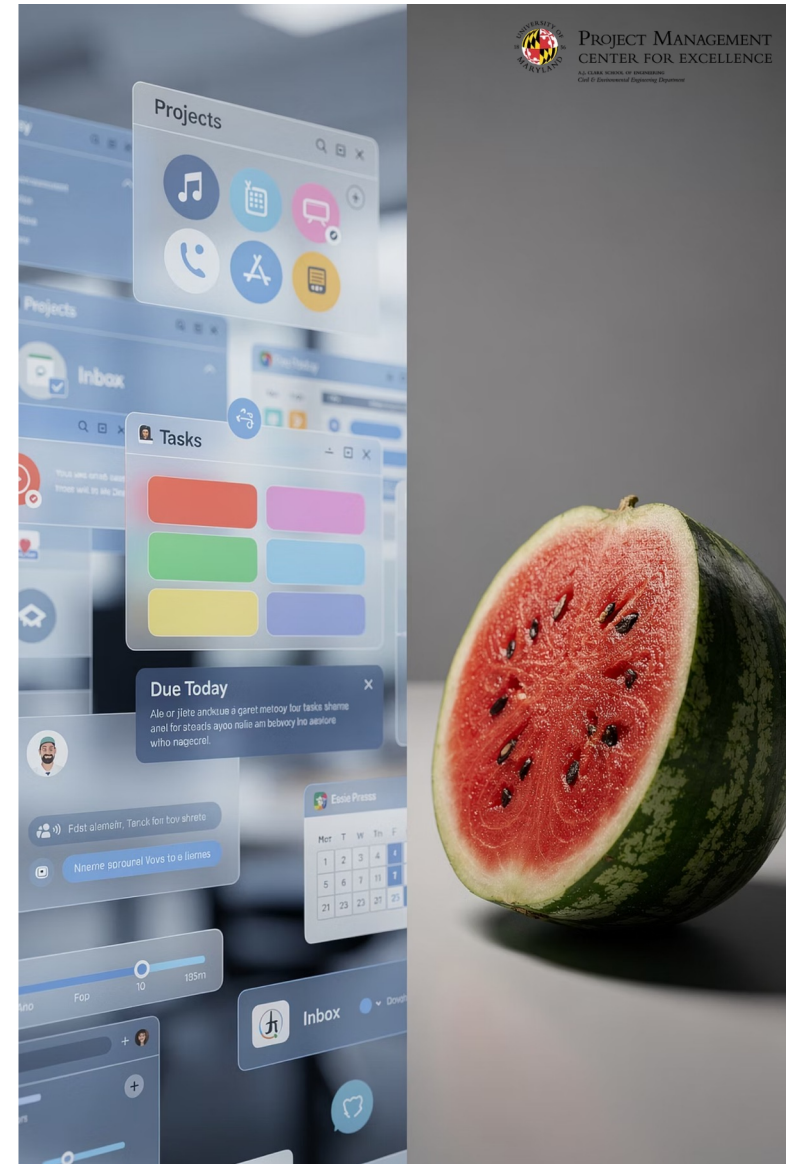
Tool Overload

Jira, Slack, Excel, SharePoint & more

4

Green Outside, Red Inside

Status says GREEN, gut says RED



The Cost of Late Risk Discovery



Not a team problem
A threat to programs, budgets, and people



The 71-Point Gap

State of Agile Report (349 Delivery Leaders)

What People Want

- 87% want to detect delivery **risks** earlier
- 95% want to **automate** repetitive tasks
- 85% want data-driven **insights**

What People Have

- Only 16% can detect risks early → **71-point gap**
- Only 6% have AI-powered analytics → **94-point gap**

❑ The demand exists. The solutions don't.

Even the DoD Feels the Pain

Joint Software Data Management Infrastructure and Agile Service-Delivery Models

● Inactive

Opportunity

Notice ID
W911SR-JPEO-CBRN-IEW

Related Notice
(blank)

Contract Opportunity Type
Special Notice

Contract Line Item Number
(blank)

Inactive Dates
Mar 04, 2026

Inactive Policy
15 days after response date

Response Date
Feb 17, 2026 5:00 PM EST

Published Date
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Department/Ind. Agency DEPT OF DEFENSE	Sub-tier DEPT OF THE ARMY	Major Command AMC	Sub Command 1, 2, 3 ACC
			ACC-CTRS
			ACC-APG

Office
W6QK ACC-APG

DoD Ask: Infrastructure to **unify** disparate operational **data** and transform it into **actionable intelligence**.

DoD doesn't have a solution.



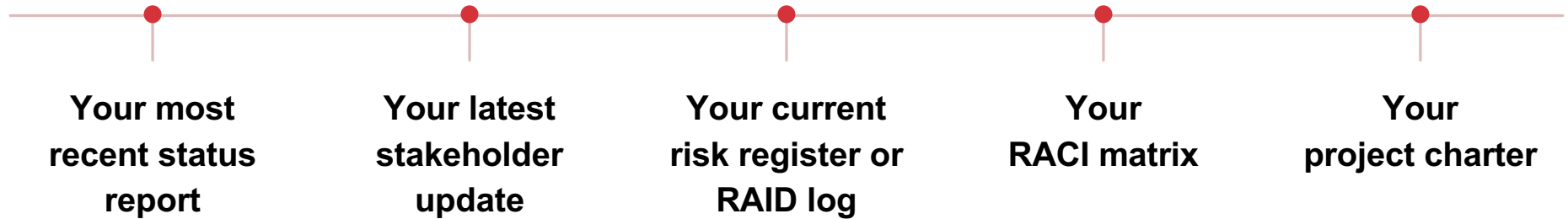
What PM's are Saying on Reddit



**"I don't want another status update.
I want **forward-looking** insights
to **prevent problems**."**

Documentation Challenge

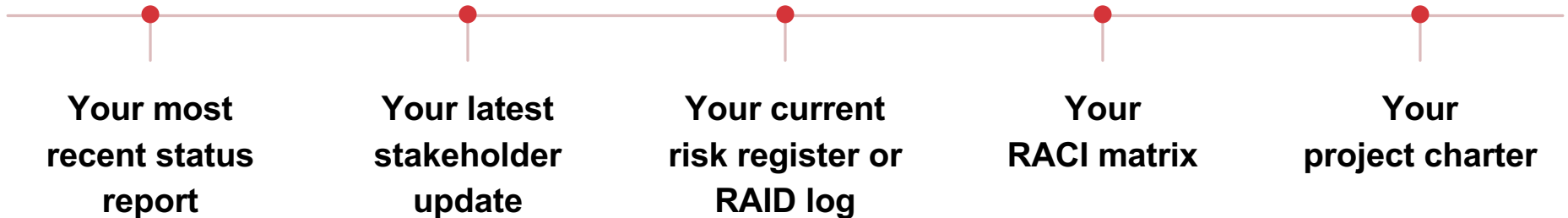
Think about these 5 things:



How long would it take you to find them right now?

Documentation Challenge

Think about these 5 things:



- ❏ If more than **30 seconds** → your documents are managing you.
Visibility Gap x System problem

War Room - The Setup

Forensic War Room

CIOs, CTOs, CISOs

- **Mission:** Find the breach in a \$1M Critical Infrastructure project
- Global energy company contracted vendor
- Real-time **integration** ahead of a mandatory **federal compliance audit**

Contract Requirement

OAuth 2.0

authentication
(non-negotiable)

Vendor Action

Signed. Collected \$200,000.
Privately admitted software
doesn't support OAuth 2.0 until 4
months AFTER deadline.

Status Report?



Green

The \$1.5M Word

One word kept it
green for **six weeks**



OPTIMIZING

"The team is evaluating authentication protocols to **optimize** performance."

They didn't say: Failed. Blocked. At risk. They said: Optimizing.

Zombie Spend

$\$25,000/\text{week} \times 6 \text{ weeks} = \$150,000$

Enterprise Value Destroyed

At 10x EBITDA: \$1,500,000

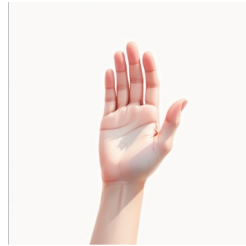
Because no one audited the language.

Who's At Fault?

Vendor's fault?



PM's fault?



Both?

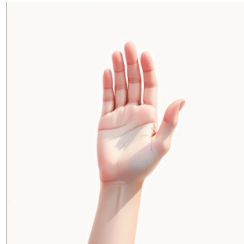


Who's At Fault?

Vendor's fault?



PM's fault?



Both?



The verdict:

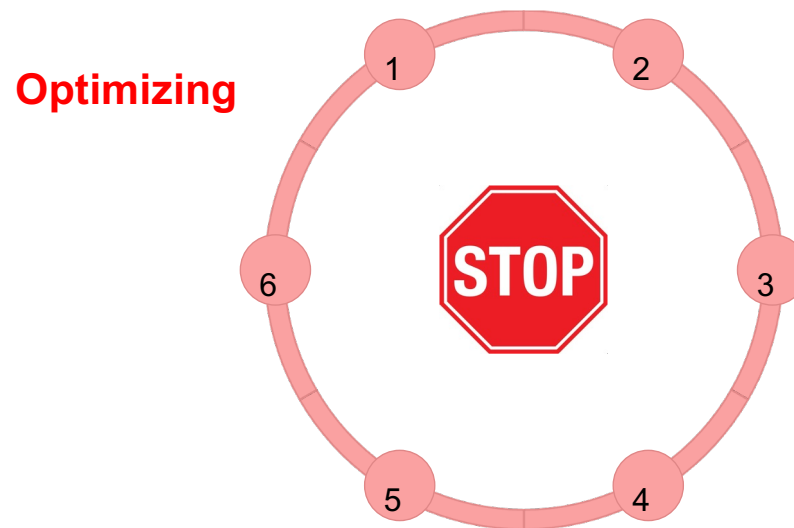
Not a vendor failure. Not a PM failure.

A governance failure.

- The tools were there.
- The data was available.
- The risk was logged.
- But no one was auditing the language.

Low-Agency Verbs

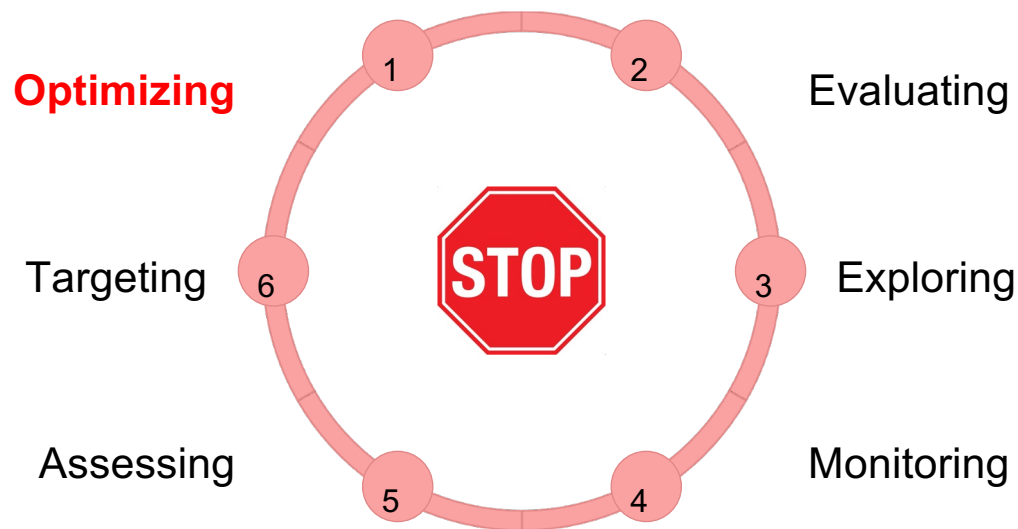
Signal concealment:



When you see these verbs in a status report - **STOP** and ask questions.

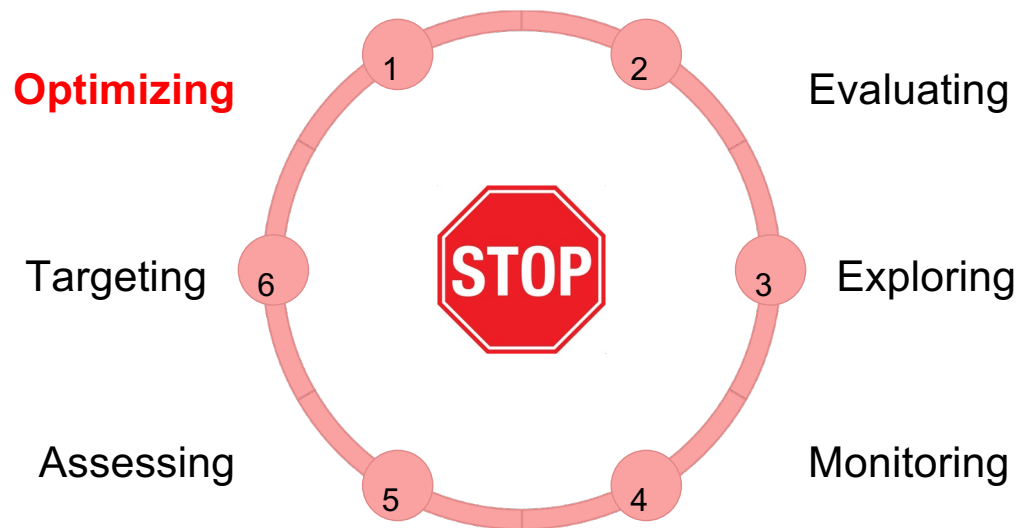
Low-Agency Verbs

Signal concealment:



Low-Agency Verbs

Signal concealment:



"Is this language telling me what happened
or what someone wants me to believe?"

Ask yourself that question every time.
Governance Practices & reports.

Reactive → Predictive
Scattered → Unified
Chaos → Clarity



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FORESIGHT, NOT FIREFIGHTING

VISION

Your organization has years of data:

AI in project management isn't about **automation**.
It's about **intelligence** - smarter with your data.

- 1 Every project delivered
- 2 Every risk logged
- 3 Every decision documented
- 4 Scattered. Fragmented. Unused

AI makes it useful. Data becomes foresight.



AI in PM starts with Data



AI in PM starts with Data



- Data without context is noise.
- Context without memory is lost.
- Memory without intelligence is manual.
- Intelligence without action is waste.

Use Case 1: The Admin Tax

Automated Reporting

Today

10–20 hours/week
gathering status, chasing
updates



With AI

Scans tools automatically,
generates reports in
seconds

Impact:

10 - 20

Hours/Week Reclaimed
Per PM

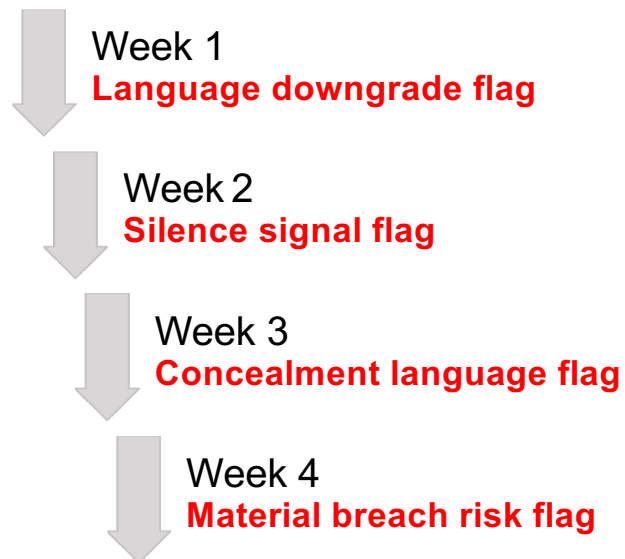
150

Hours/Week Back
10 PMs = 100–200 hours/week
(full-time employee equivalent)



Use Case 2: Predictive Risk

What AI Would Have Caught in the War Room:



☐ **Impact:** Caught in Week 1, not Week 6.
\$150K saved. \$1.5M protected.



Use Case 3: Employee Onboarding



Use Case 3: Employee Onboarding

Full Context, Instantly

Today

New PM spends 2 weeks asking "Where's the...?"



With AI

New PM asks a question, AI answers in seconds with full context

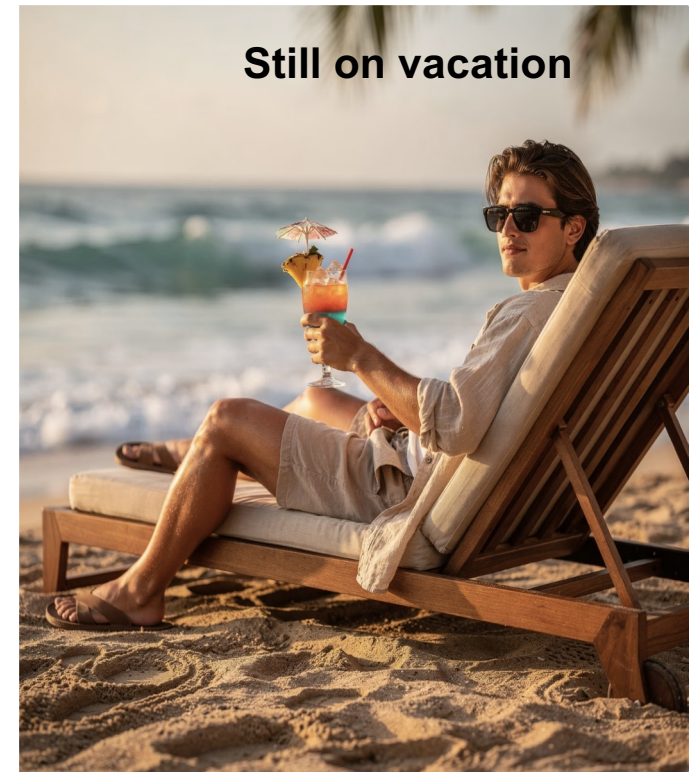
Impact:

Full Project Memory

Complete context always available

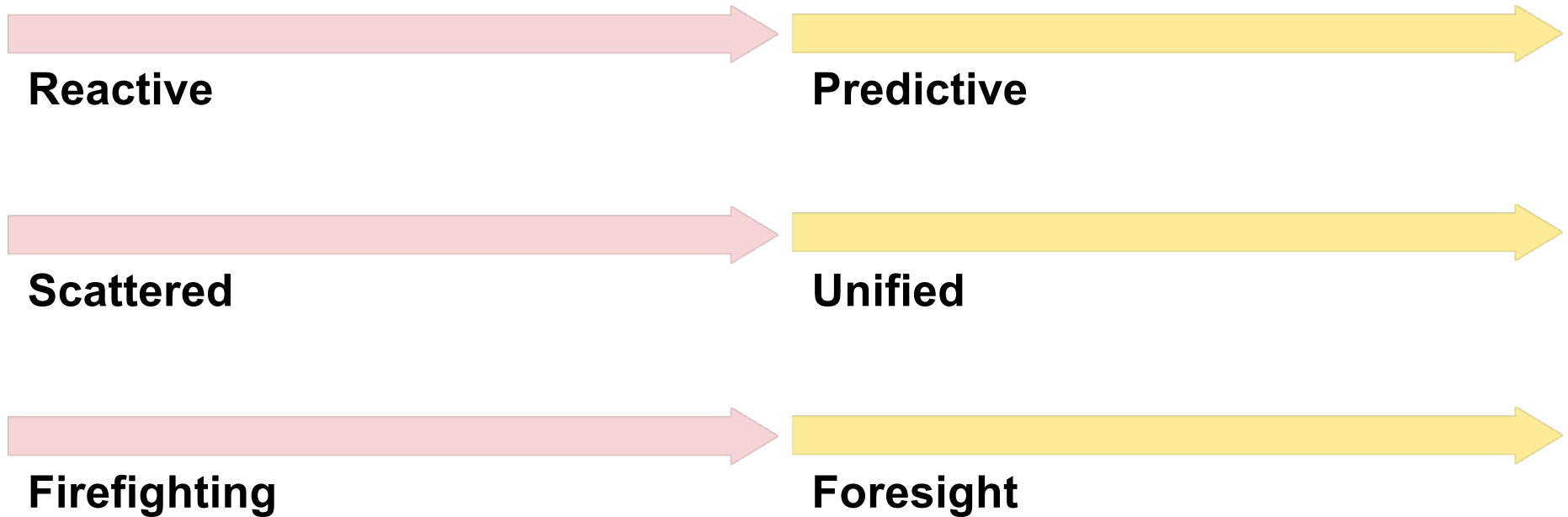
Faster Ramp-Up

New hires productive in days, not weeks



The Pattern

Every use case follows the same shift:



Human + AI Partnership

"AI won't take my job, but someone using AI might."

AI Handles

- Scanning thousands of messages for signals
- Flagging risks based on patterns
- Automating status reports

Humans Handle

- Strategic decisions
- Stakeholder relationships
- Governance architecture



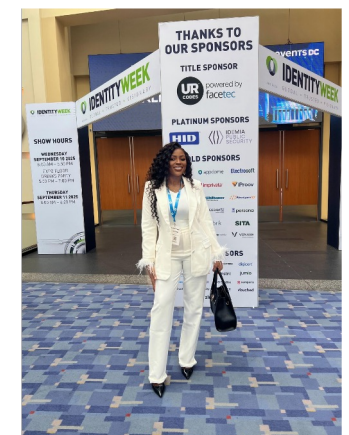
Explainability. Transparency. Sources cited.

AI tells you **WHAT** it found and **WHY** it flagged it.

You **DECIDE** what to do about it.

❑ Human in the loop. Always.

What People Want



What People Want

What delivery leaders are desperate for:



Unified Tools

One source of truth



Full Project Memory

Complete context always accessible



Automated Reporting

Status generated in seconds



Decision Support

Data-backed recommendations



Predictive Intelligence

Foresight before problems emerge



Connect to business outcomes

Drives revenue, cost savings & goals

❑ The technology exists. The demand exists.

What the DoD Wants

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What You Can Do This Week

3 Things You Can Do Immediately:



Audit your visibility gaps



Calculate your 3-cost model



Identify ONE quick win to pilot

Action 1: Audit Visibility Gaps

- **Tool Check**

How many tools do you check before 10 AM to get project status?

- **Hidden Context**

Where does critical context hide? (Slack threads? Email? Meeting notes?)

- **Late Discovery**

What risks are you discovering too late and why?

Action 2: Calculate Your Cost

3-cost model:

Time Cost

of PMs × hours/week × rate ×
50 weeks

Risk Cost

of delayed projects × delay cost

Opportunity Cost

Strategic work NOT happening

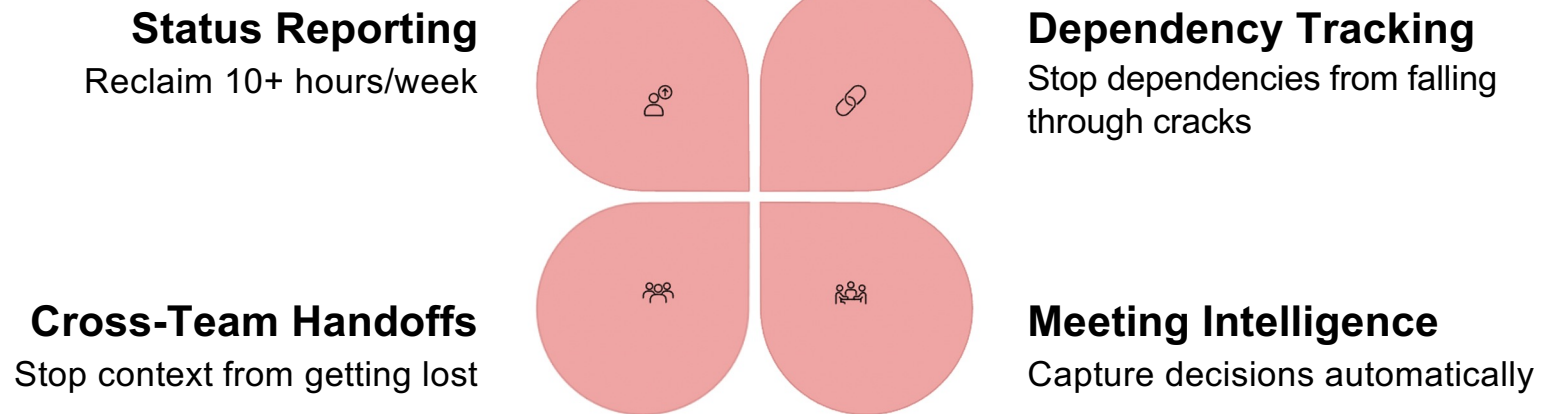
Example:

- 10 PMs × 10 hrs/week × \$75/hr × 50 weeks = \$375K/year
- 3 delayed projects × \$500K = \$1.5M/year
- Total: \$1.875M/year

📄 What's YOUR number?

Action 3: Identify One Quick Win

Pick ONE workflow to automate first:



☐ Start small. Prove value. Scale from there.

Get the Frameworks: 5 Free Downloads



1. 10 Shifts Framework
2. Visibility Gap Audit Template
3. Quick Win Prioritization Matrix
4. Business Case Calculator
5. Implementation Roadmap

ExecutelQ.ai/UMD-Resources



FORESIGHT, NOT FIREFIGHTING

You're tired of scattered context, the admin tax, discovering risks too late.

You want foresight. Predictive intelligence. Execution intelligence.

It exists. You can start today.

[ExecutelQ.ai/UMD-Resources](https://executelq.ai/UMD-Resources)

Thank You

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The Execution Doctor



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Questions & Evaluation

Evaluate Session:



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