



The Intelligent PMO

Predicting Outcomes with AI

Your Guides:
Peter Hughes & Alyson Poston

Sponsored by

ValueOps
by Broadcom

Clarity
by Broadcom

Rally
by Broadcom

ConnectALL
by Broadcom

Insights
by Broadcom

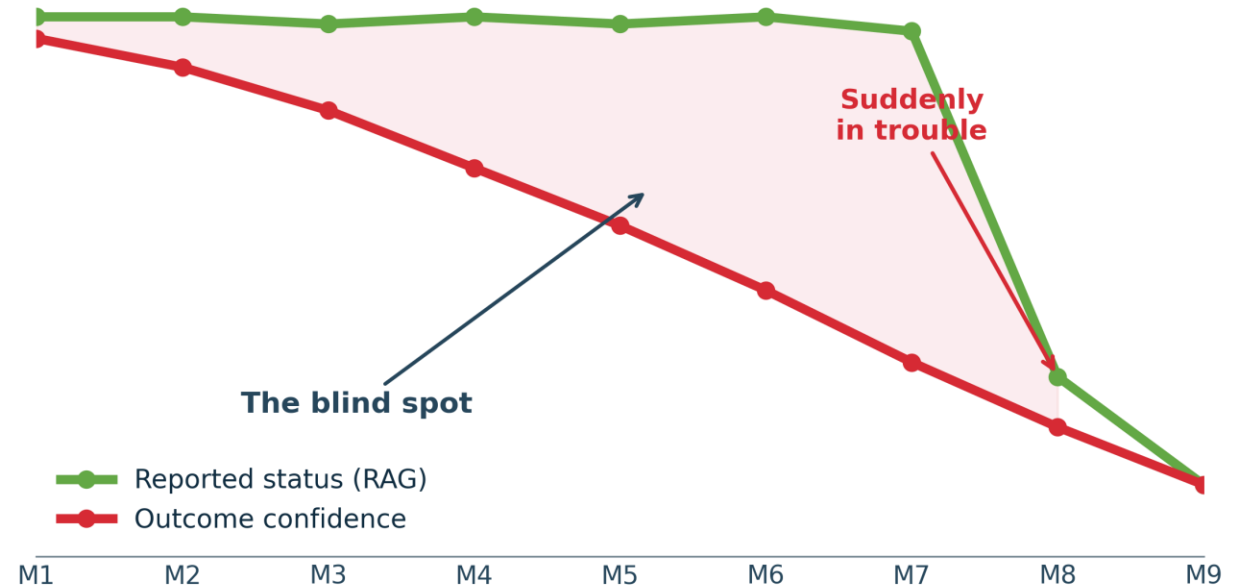
Green Until It Isn't

Every one has seen this story.

How it usually unfolds

- Project is green for months
- Steering committee feels comfortable
- Risks are known but not escalating
- Milestones quietly move
- Resource pressure builds
- Then suddenly... the project is in trouble

Status looks fine — right up until it doesn't



The Question That Started Our Journey

“Could Clarity data help us see the warning signs earlier?”

Clarity holds the data

- Investments, projects, resources, financials, risks, issues, roadmaps, benefits and status

Every record is a signal

- All of that delivery and portfolio data quietly creates signals about what is really happening

The original ambition was simple: **use data to predict risk earlier.**

Our Predictive Analytics Journey

How ambition met reality and what we learned



The Spark: Clients Wanted Predictive Analytics

We started with a very logical assumption.

What we believed

- Clarity data could predict future delivery outcomes
- Different roles need different predictions
- PMs, portfolio, resource managers and execs each need their own view
- Algorithms could surface problems before status reporting did

What we set out to predict

- Project failure
- Schedule slippage
- Project health
- Resource constraints
- Financial variance

Phase One: Building Predictive Metrics

Logical start point... dashboards. That got hard, fast.

What we tried

- Built dashboards around predictive metrics
- Wrote queries to calculate risk indicators
- Created an event capture solution and an initial set of metrics we believed mattered
- Drew on status, tasks, risks, financials, actuals, ETCs, allocations, timesheets, benefits & system events

What got difficult

- Predictive queries became complex very quickly
- Some queries ran slowly, even on small databases
- Good development data was hard to create. We had to simulate change over time

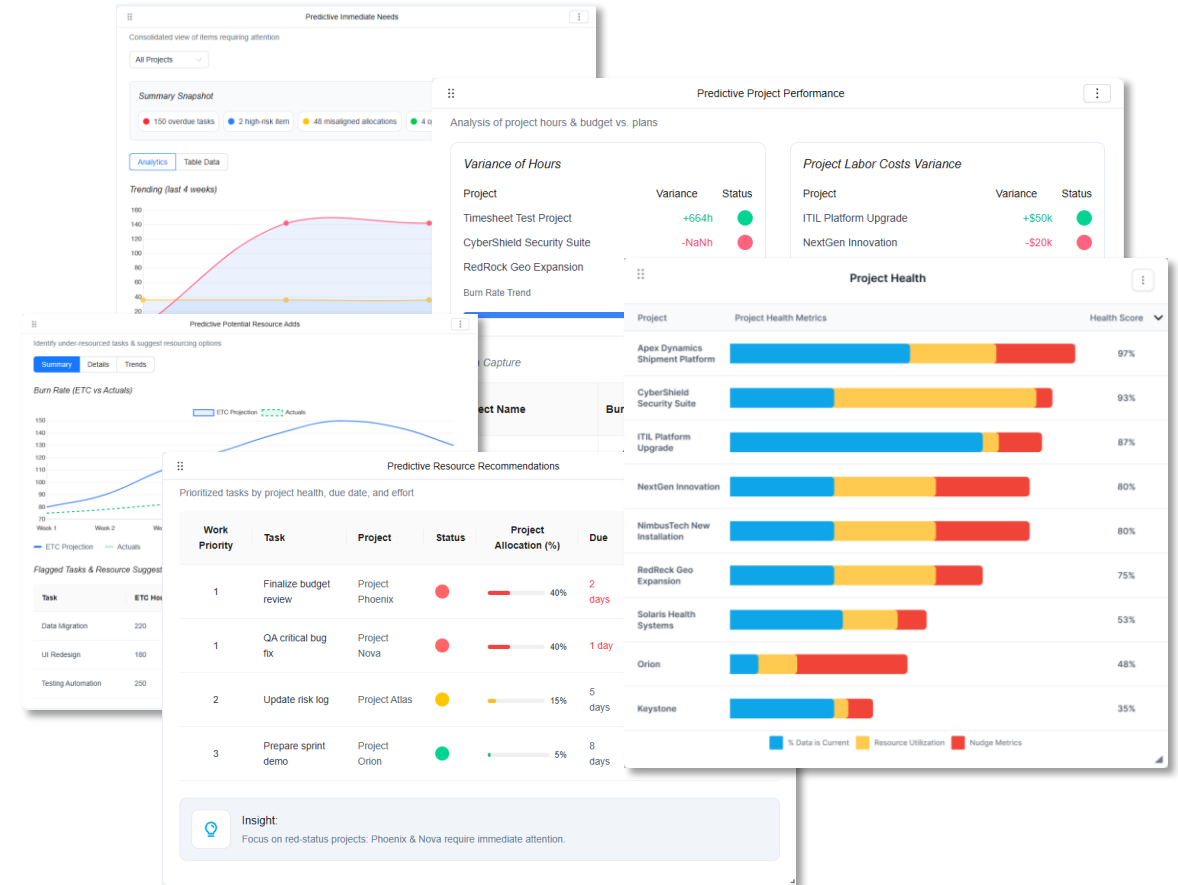
The Moment the Room Taught Us Something

7

RegoU 2025, the reaction that changed our direction

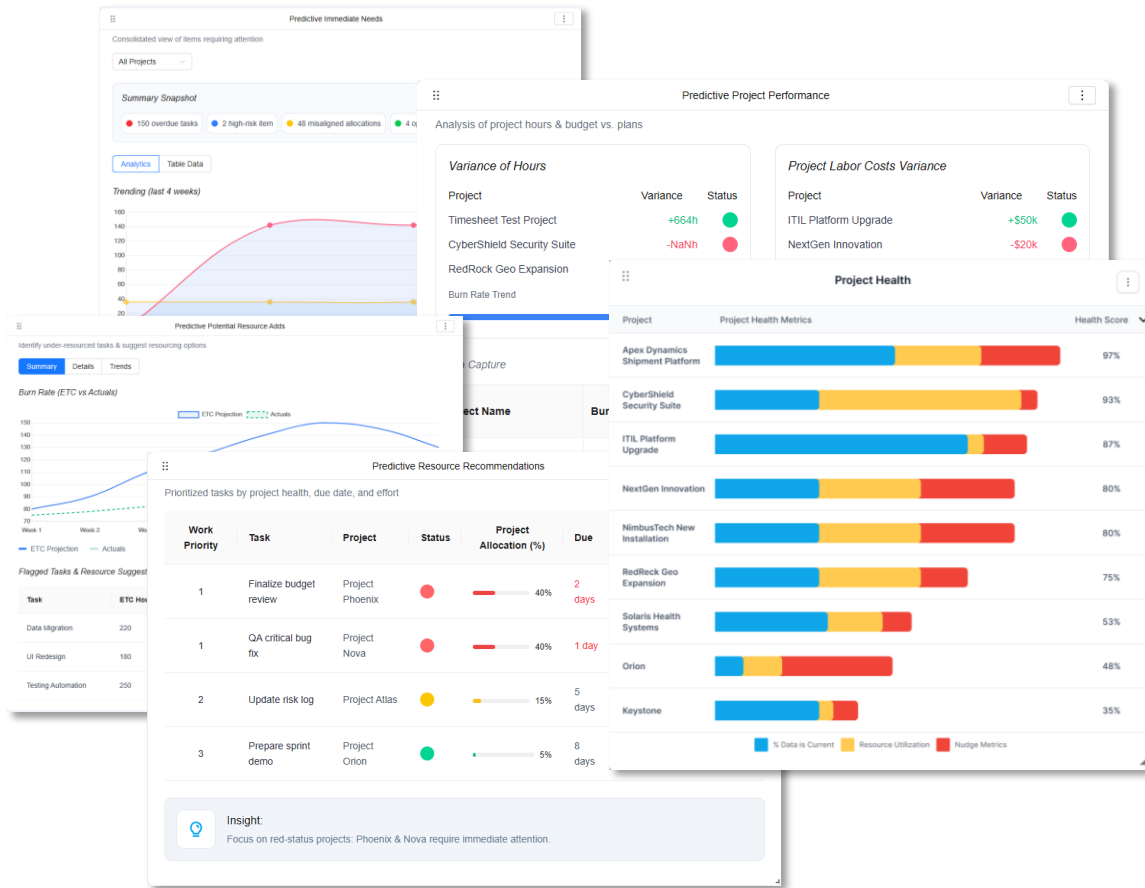
What we showed

- Predictive Analytics dashboards
- Multiple metrics and views
- Data-led indicators of possible future risk



The Moment the Room Taught Us Something

RegoU 2025, the reaction that changed our direction



What we heard

- The dashboards looked too complicated
- Customers did not want more interpretation work
- They wanted the product to tell them
 - What the problem is
 - Why it matters
 - What to do about it

The Data Was Powerful, But Not Predictable

Clarity data is valuable, but not consistent enough for one standard model.

What we discovered

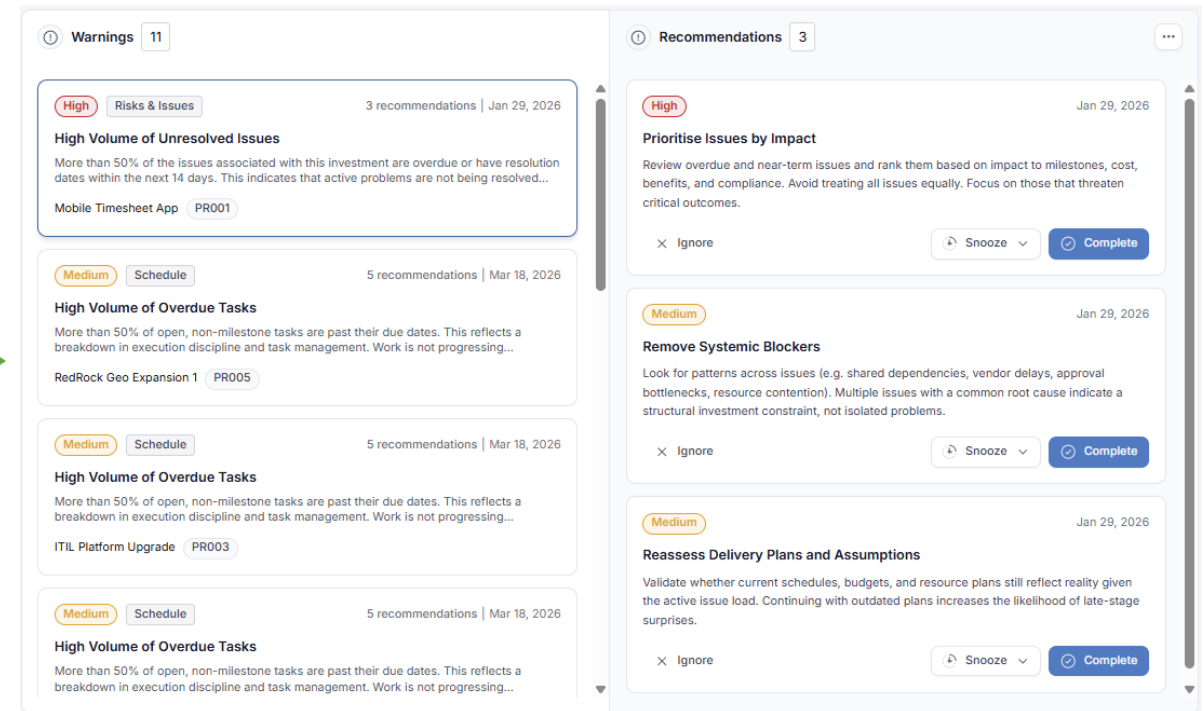
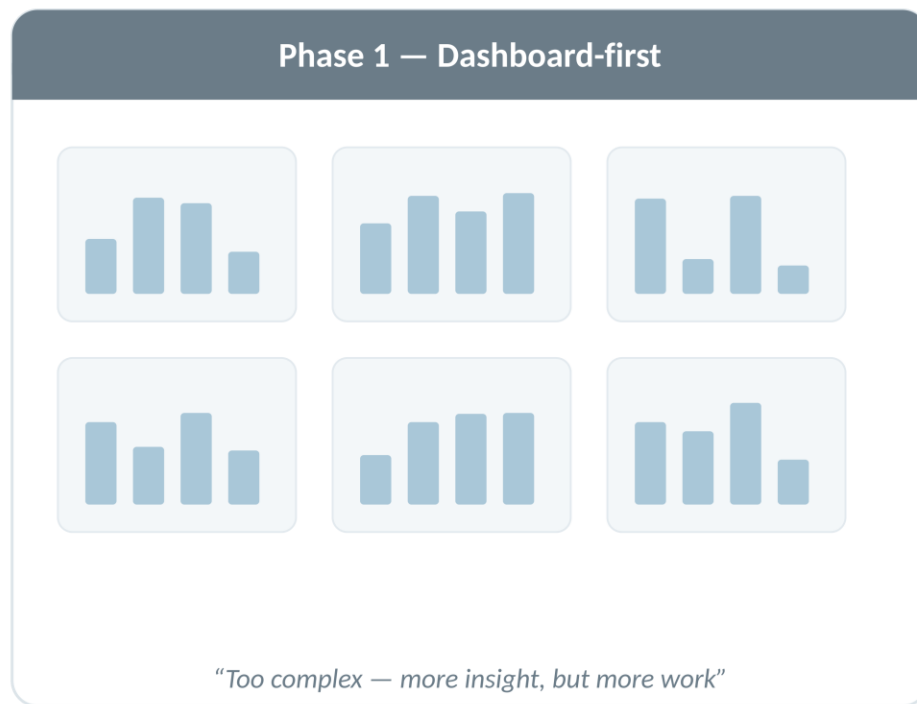
- Clients use Clarity in very different ways
- A consistent set of metrics was hard to define
- Different configurations reinterpret the same data
- Data quality varied significantly across environments
- We had to restrict metrics to areas less exposed to bad data

Why this mattered

- A standard product would need customer-specific tailoring
- The more accurate we tried to be, the more complex it became
- Bad data can create false confidence or false warnings
- Prediction cannot be trusted unless the data behind it is trusted

Phase Two: From Dashboards to Warnings

Instead of asking users to interpret data, trigger warnings and recommend action.



“Where is the AI?”

The market’s response reframed everything



The Reframe: We Were Solving the Wrong Layer

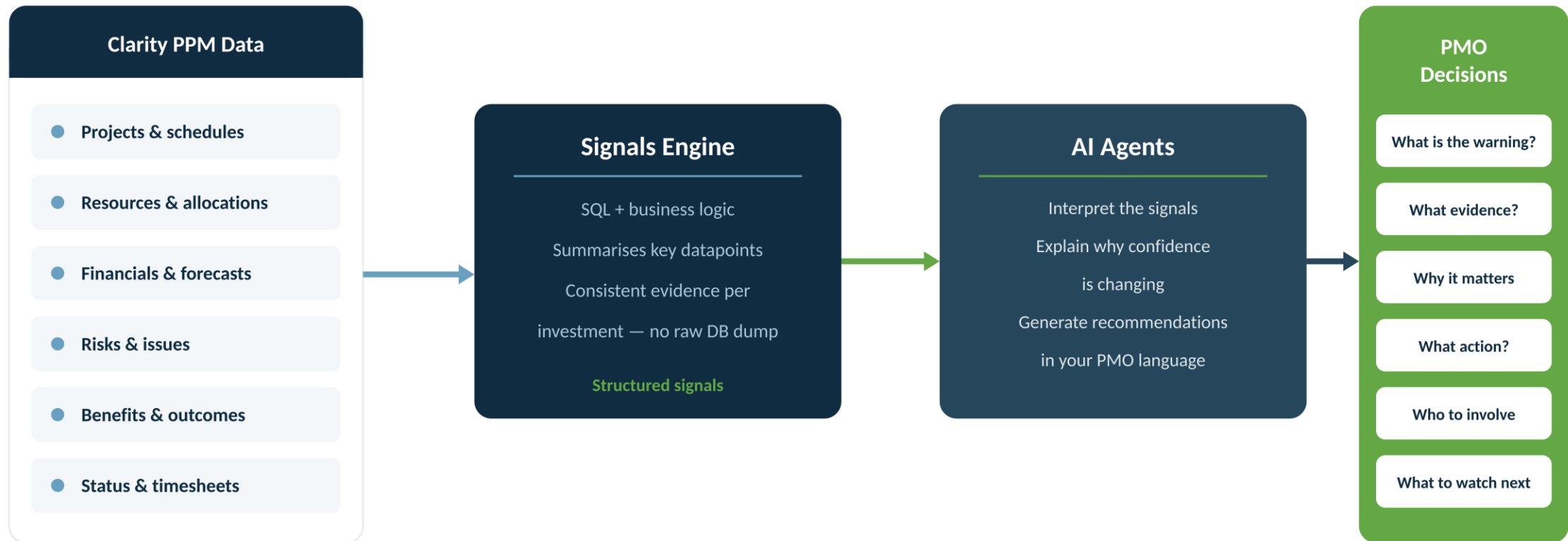
The opportunity is an intelligent PMO decision layer.

We started with	We now believe
Predictive dashboards	Intelligent warnings
Algorithmic metrics	Signal interpretation
Static warning messages	Context-aware recommendations
Project health scores	Outcome confidence
More data visibility	Earlier decision support
Analytics as a product	Predictive PMO as a capability

Our New Direction: Signals Engine + AI Agents

Structured Clarity signals, interpreted by AI.

From raw Clarity data to a PMO decision — in four moves



Why This Direction Matters

Hypothesis

If we summarise the right Clarity signals and use AI agents to interpret them, we can help PMOs understand what is changing, why it matters, and what action to take.

The product should answer:

What is the warning?

What evidence supports it?

Why does it matter?

What action to consider?

Who needs to be involved?

What should we watch next?

What 24 Months Taught Us

Five lessons that reshaped our direction.

- 1 Prediction is easy to want and hard to define
- 2 Data quality is not a technical detail
- 3 Status is not the same as outcome confidence
- 4 A prediction without explanation creates doubt
- 5 A prediction without action creates theatre

The biggest lesson: prediction only matters if it changes a decision.

What Prediction Really Needs

Signals, trust, explanation and action

could this have been a report?



The Future Is the Predictive PMO

Better decisions, before outcomes are missed



Earn Rego University Certifications and Professional Specializations

Your participation in this class may count toward Rego University certification progress.

Certifications

Build recognized Clarity expertise.
Complete 10 eligible learning units
within a certification track.



**Best Practice
Clarity Administrator**



**Best Practice
Clarity Lead**

Professional Specializations

Deepen your skills in focused topic areas.
Complete 4 eligible learning units within a selected
specialization, with the option to earn multiple specializations.



**Artificial
Intelligence (AI)**



**Reporting &
Analytics**



Technical



Important: Complete the class survey in the app after each session so your credits can be tracked.

More info: <https://regouniversity.com/certificates>

Thank You For Attending Rego University

Instructions for PMI credits

- Access your account at pmi.org
- Click on **Certifications**
- Click on **Maintain My Certification**
- Click on **Visit CCR's** button under the **Report PDU's**
- Click on **Report PDU's**
- Click on **Course or Training**
- Class Provider = **Rego Consulting**
- Class Name = **regoUniversity**
- Course **Description**
- Date Started = **Today's Date**
- Date Completed = **Today's Date**
- Hours Completed = **1 PDU per hour of class time**
- Training classes = **Technical**
- Click on **I agree** and **Submit**



Let us know how we can improve!
Don't forget to fill out the class survey.



Phone

888.813.0444



Email

info@regoconsulting.com



Website

www.regouniversity.com