Optimizing asset investments in the the Maximo Application Suite

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To answer this question, we need to think in terms of the complete asset lifecycle

Establish a consistent methodology for assessing asset health and criticality

Optimize Preventative Maintenance schedules based on criticality and cost

Proactively identify and remediate issues through inspections and monitoring

Optimize sustainment capital to minimize long-term TCO and risk

In practice, this is hard to achieve for several reasons

1

Large, geographically diverse asset portfolios makes it difficult to avoid blind-spots

2

Different teams looking after different asset families and or regions, often leveraging different approaches

3

Ad-hoc tools and processes are time consuming and lack agility to confidently make decisions

4

Disconnect between operations and strategic planning systems + processes

5

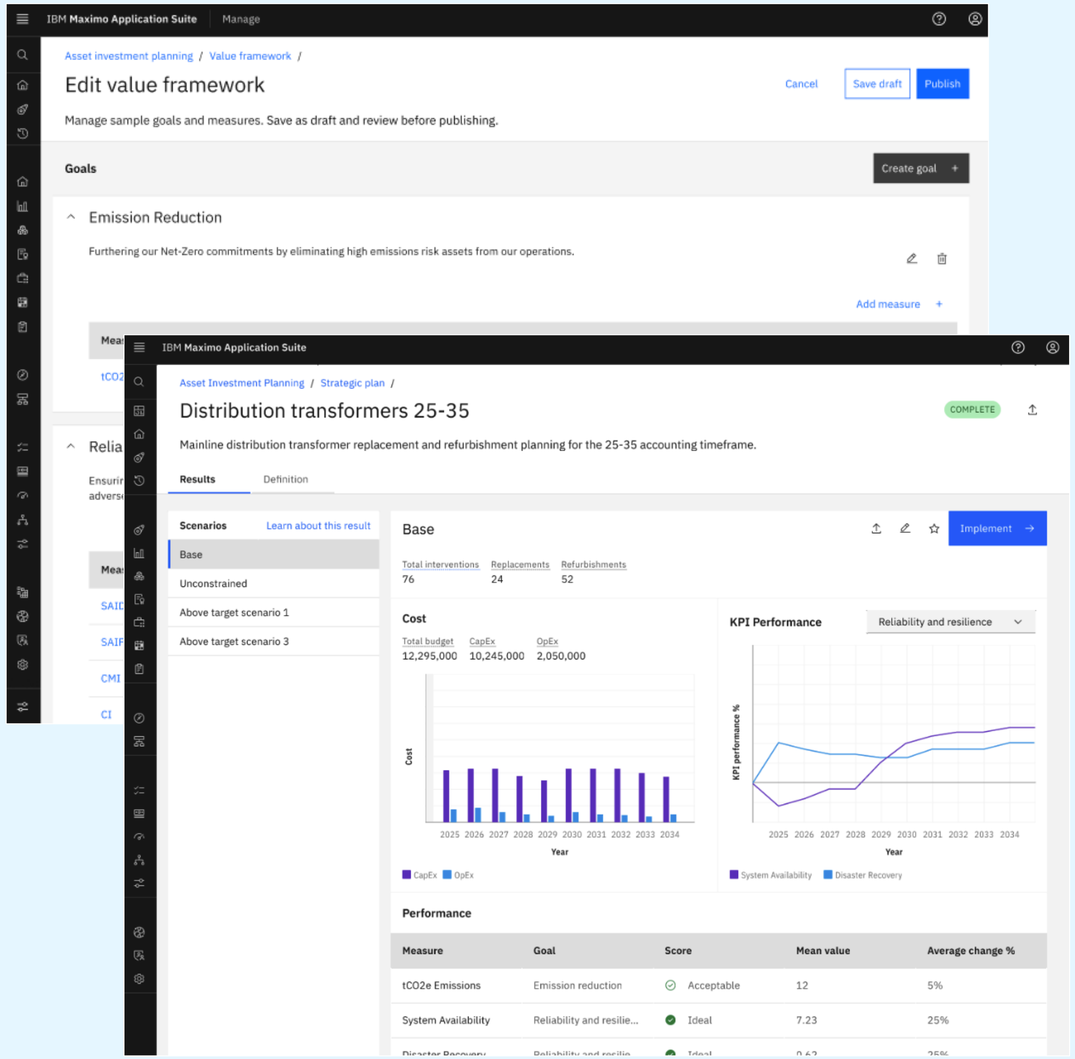
Aging infrastructure, increasing climate risks, and limited resources

6

Changing customer expectations demanding more from existing assets

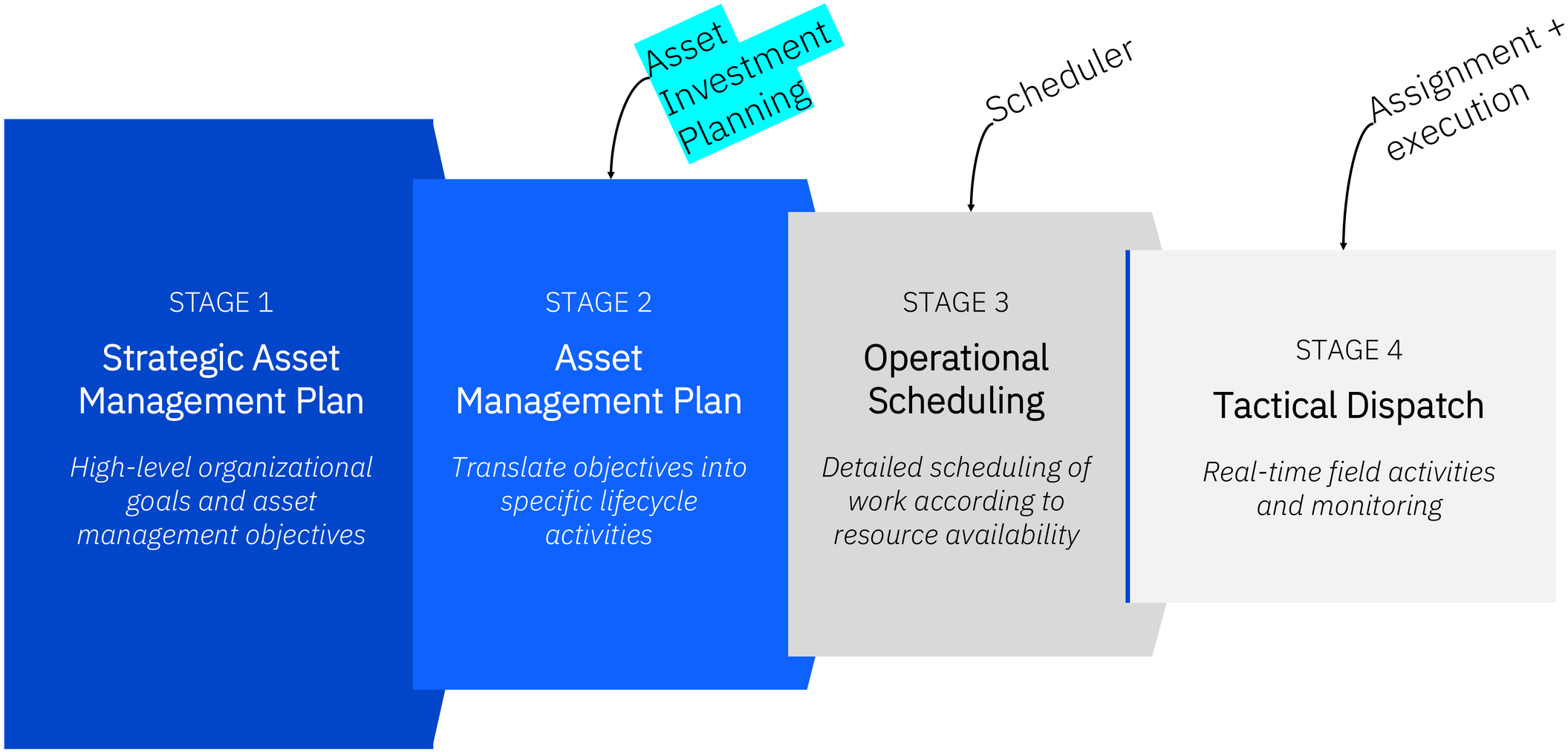
How can Maximo Application Suite help with this planning challenge?

- **Built-in optimizer** to quickly recommend replace and refurbish schedules across large asset populations
- **Health modelling** to evaluate how the condition and failure probability of assets is changing over time
- **Value Framework** to establish consistent decision-making across asset portfolios
- **Multi-scenario generation** for what-if and sensitivity analysis comparisons
- **Single source of truth** across maintenance and planning functions to eliminate silos

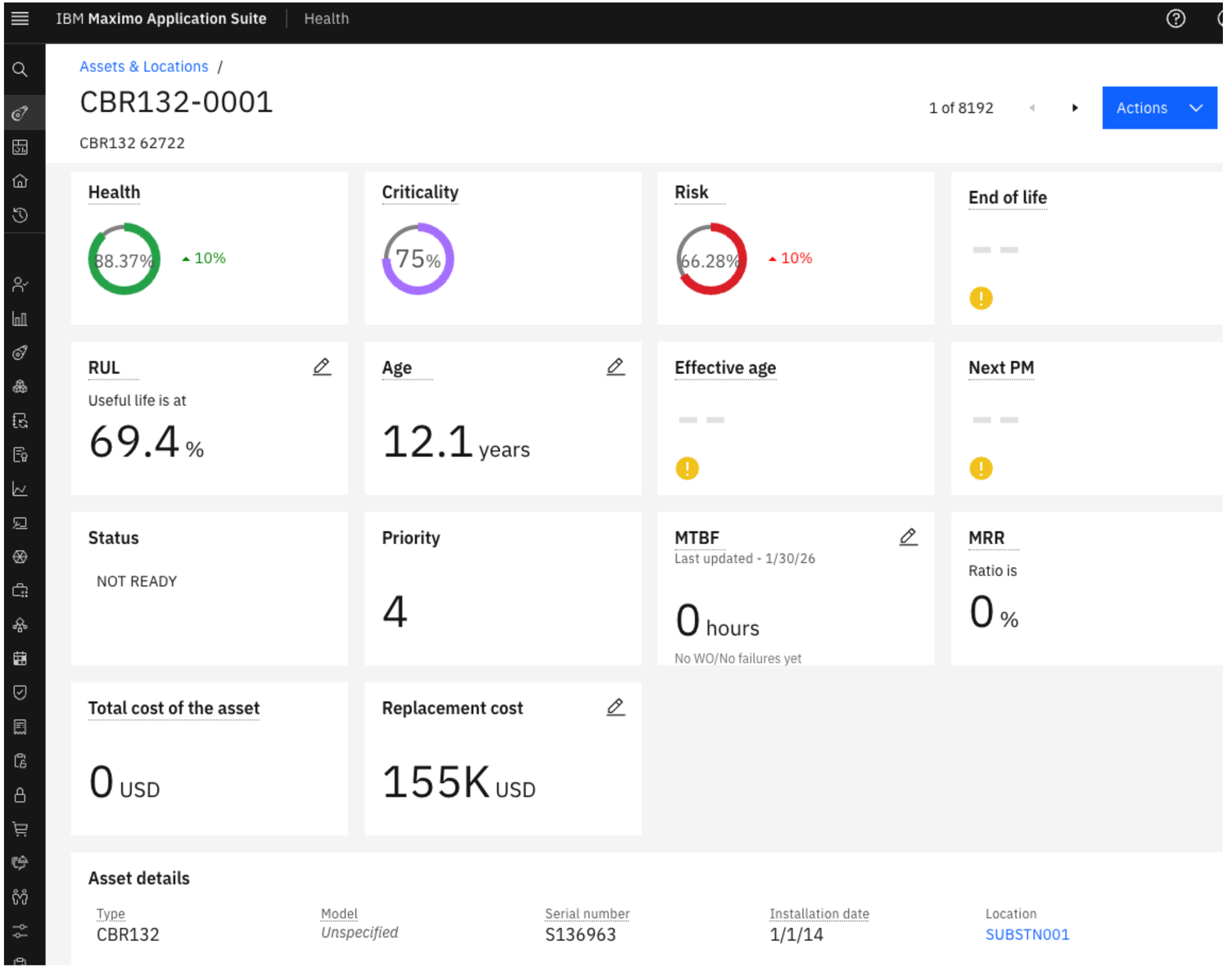


The planning funnel in Maximo Application Suite

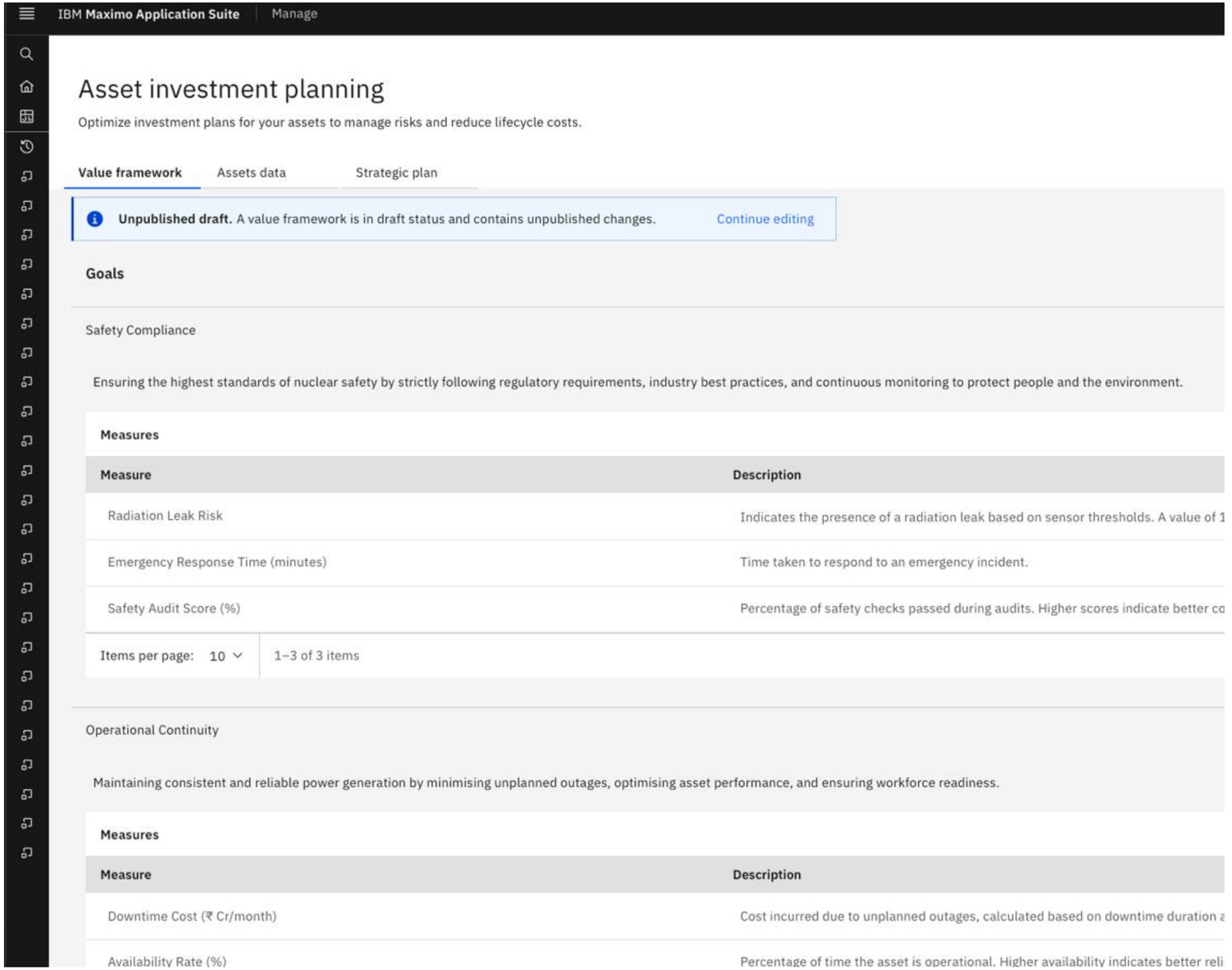
Aligned with ISO 55000 best practices



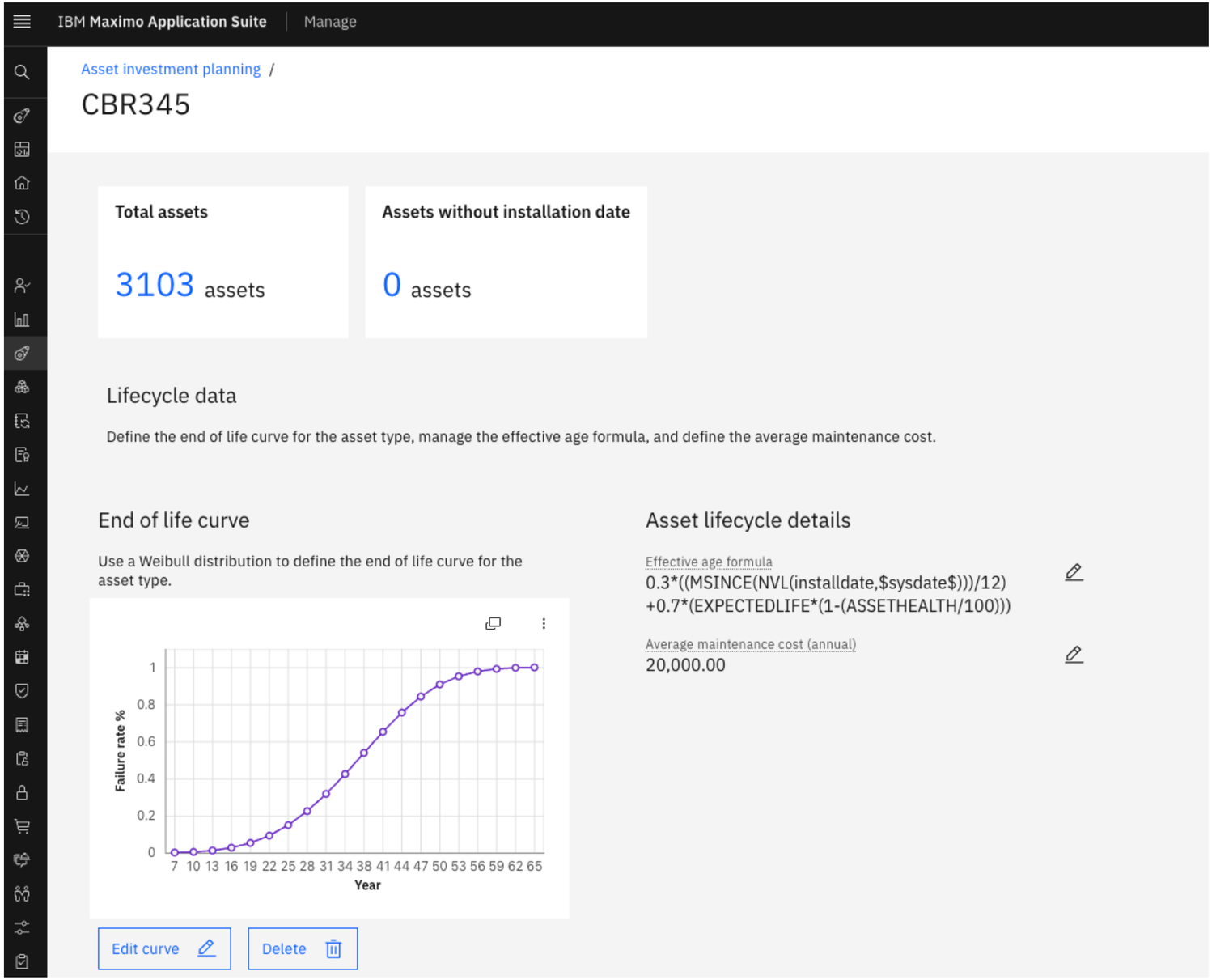
***Health** offers* a consolidated view of asset characteristics and ensure consistent decision making



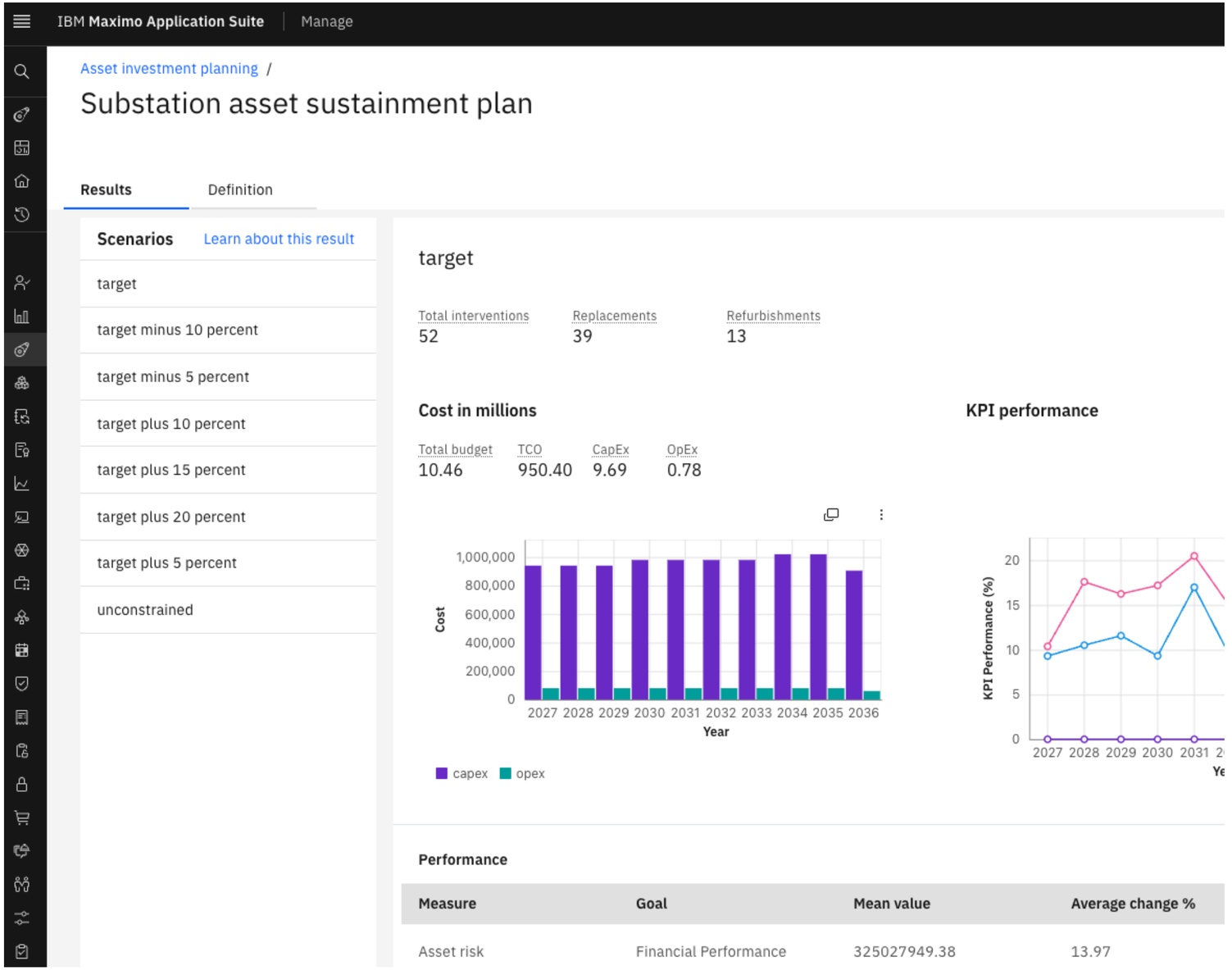
The *Value Framework* helps you capture the cost and KPI impacts of asset failures to ensure plans align with organizational needs



Lifecycle data defines failure curves, costs, and intervention templates by asset group

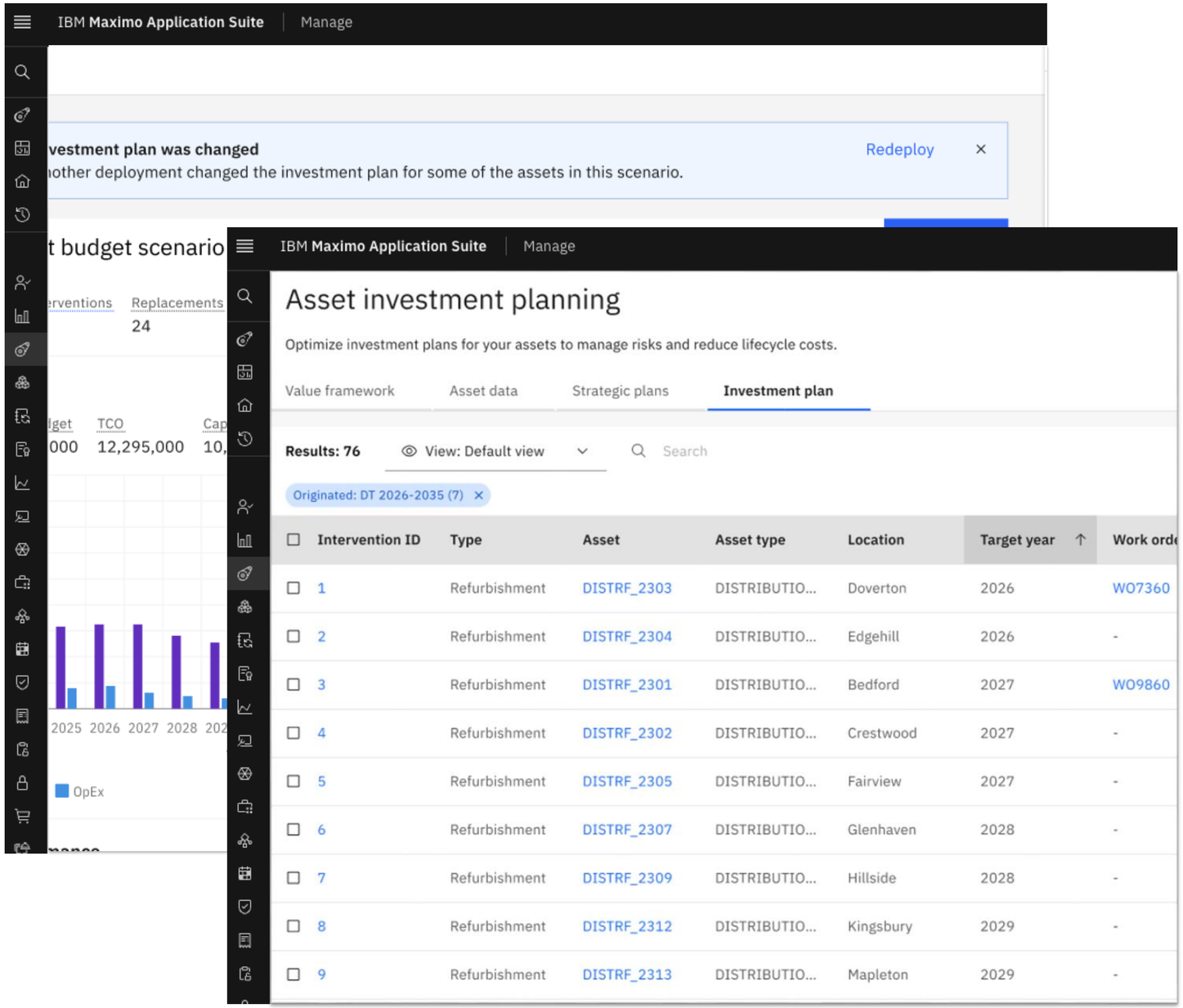


Strategy Optimization generates asset investment scenarios designed to minimize lifecycle costs and risks while satisfying financial constraints.



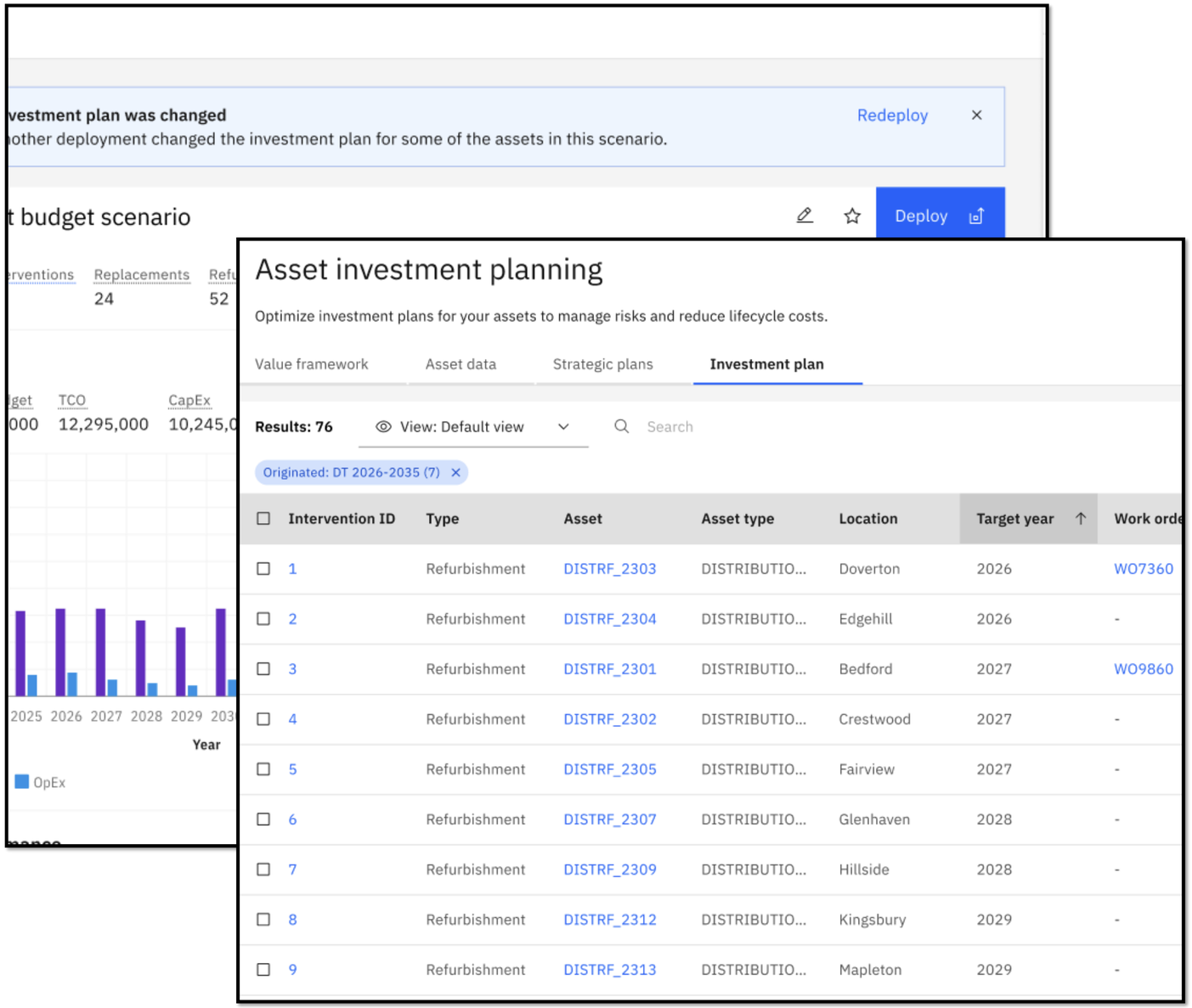
Investment plan creation and execution enables users to build investment plans and generate executable work orders directly from these plans

* Coming in 9.2 GA



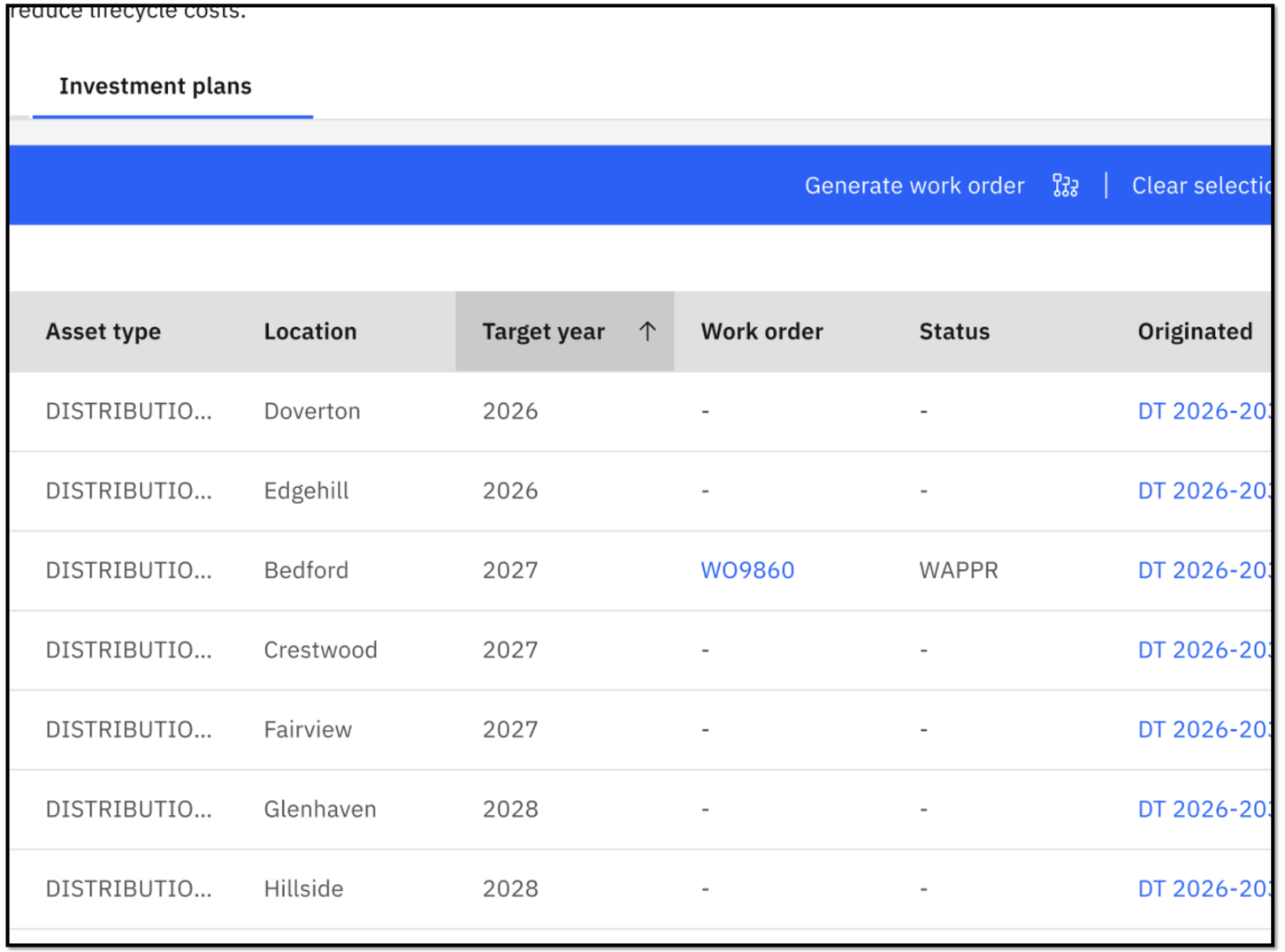
Demo

Publish Scenarios to the Investment Plan continuously update a single view of the investment plan across all assets.



Generate work orders

Create work orders for asset interventions directly from the Investment Plan



Focus on integration + execution—bringing visibility to the end-to-end asset lifecycle directly within MAS

9.2

Implement key usability improvements

- Enhanced asset selection addressing the needs of large asset populations *(March FC)*
- Leverage existing usage patterns such as Maximo Queries *(March FC)*
- Enable background execution of optimization jobs to greatly improve performance *(March FC)*
- Failure curve fitment based on work order data *(GA)*

9.2

Deliver a continuous, closed-loop planning process

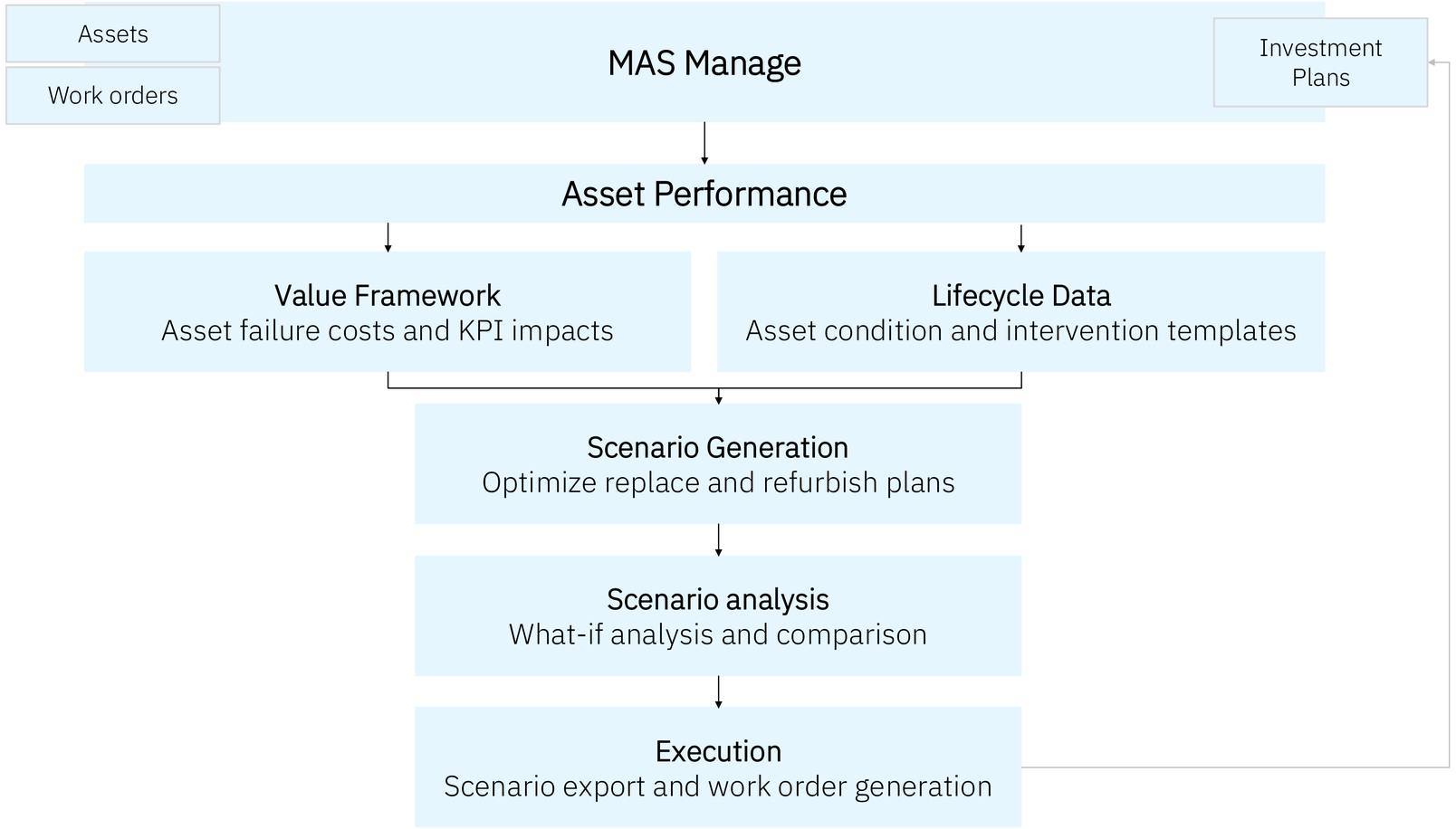
- Introduces a true end-to-end pipeline from optimization → planning → execution
- Generate investment plans from AIP *(April FC)*
- Integrates AIP with Job Plans in Manage *(April FC)*
- Additional usability improvements *(April FC)*
- Enables creation of work orders *(GA)*

9.3+

Modernize and simplify the experience

- Strengthened integration of Health and AIP
- Measure library for Value Framework development
- Additional investment use cases (upgrade, new measure types)
- Advanced financial, resource, and KPI constraints
- Smart project bundling
- Agentic AI for measure formula development

AIP built natively into the Maximo Application Suite just makes sense



Easily activated
Simply activate AIP and Optimizer via the catalogue if you're already a Manage client. No need for complex integrations between systems.

Flexibly Deployed
Available both SaaS and Customer Managed (On Prem).

User Configurable
All aspects of the Asset Investment Planning solution—including asset modeling and the value framework—are configured directly within Maximo's user-friendly UI.

What’s Next?

Participate in Usability Testing
Email us directly to participate in our usability testing initiative related to the upcoming 9.2 GA release of Maximo AIP

Take a clickthrough tour of AIP
Check out our latest guided clickthrough of Maximo AIP to get a sense of how this capability would fit your process

Check out an AIP blog
A thought-leadership blog presenting a new, risk-informed optimization approach for asset investment planning