



SOLUTION SHEET

STO management and planning with Octave Sequence Enterprise



Shutdowns, turnarounds, and outages (STOs) are among the most complex and costly events organizations manage. When planned in isolation, they introduce unnecessary risk, like competing resources, straining budgets, and increased downtime.

Octave Sequence Enterprise (formerly EcoSys) brings STO planning and execution into a connected, enterprise-wide environment, enabling organizations to plan earlier and coordinate across sites with greater control.



Plan STOs with a long-range, enterprise view

Effective STO management starts well before execution.

Sequence Enterprise enables organizations to plan and visualize STO events across all facilities, years in advance. Long-range planning capabilities support forecasting over extended horizons (10+ years), allowing teams to evaluate timing, cost, and resource demand across the portfolio.

With this visibility, organizations can:

- Balance workloads across sites
- Avoid resource conflicts and scheduling bottlenecks
- Optimize capital allocation over time

Instead of planning STOs in isolation, teams operate with a coordinated, enterprise-wide perspective.



Build more accurate STO budgets from the start

Accurate budgeting is critical to STO success.

Sequence Enterprise enables conceptual and early-stage estimating using historical STO data, allowing organizations to develop more reliable budgets from the outset. Estimates can be built using asset-level insights, past performance, and escalation factors. This ensures alignment with current conditions and future expectations.

As planning progresses, estimates can be refined using more detailed data, maintaining alignment between early assumptions and execution reality.



Coordinate planning and resources

STOs require coordination across engineering, procurement, operations, and finance.

Sequence Enterprise connects these processes in a single system, ensuring that schedules, budgets, resources, and contracts remain aligned throughout planning and execution. As plans evolve, updates are reflected across the system, reducing misalignment and improving collaboration.

Organizations can evaluate contractor options, align procurement with schedules, and ensure that resource demand is balanced across concurrent events.



Continuously improve future STO performance

Every STO provides valuable insight.

Sequence Enterprise captures performance data across events, enabling organizations to benchmark outcomes, refine estimates, and improve planning accuracy over time. Lessons learned can be applied across sites and future turnarounds, creating a cycle of continuous improvement.



Business impact

A connected approach to STO management enables organizations to:

- Improve long-range planning and capital allocation
- Increase budget accuracy using historical and asset-driven data
- Reduce risk through earlier visibility into issues and constraints
- Optimize resource utilization across sites and events
- Deliver STOs more predictably, with fewer delays and overruns

What is Sequence Enterprise?

Sequence Enterprise is Octave's enterprise project performance (EPP) platform, unifying project portfolio management, project controls, and project management in a single, connected system.

For STOs, it enables organizations to plan, budget, and execute complex events with greater visibility, coordination, and control. As a result, organizations turn necessary downtime into opportunities for optimization.

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About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property, and assets— for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency, and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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