

Meet the Ovation™ Sequence Assistant Agent

The **Ovation Sequence Agent** to interprets sequence logic, operating conditions, and historical knowledge to explain issues and recommend the next best action.



The Challenge

Startup and shutdown procedures are among the most complex operations in the plant.

- When a sequence stalls, operators must diagnose issues under time pressure with no clear root cause
- Resolution depends heavily on individual experience, leading to inconsistency across shifts
- This results in: longer startups, operational errors, and escalations to engineering



The Solution

The Ovation Sequence Assistant Agent acts as a real-time assistant for sequence execution.

What It Does

- Monitors sequence steps, timing, and execution state in real time
- Detects stalled, failed, or abnormal steps automatically
- Identifies the exact blocking condition, including permissives, alarms, and equipment state mismatches
- Recommends immediate checks and next actions based on live conditions
- Supports operator follow-up questions within the active sequence context
- Uses past sequence runs to surface similar issues and proven resolutions



How It Delivers Value

Reduce Startup Time

- Less time spent diagnosing issues
- Faster recovery from stalled conditions

Lower Operational Risk

- Clear visibility into the cause of delays
- Fewer errors during critical procedures

Increase Productivity

- Reduce reliance on expert operators
- Minimize escalations to engineering teams

Preserve Expertise

- Convert past operator experience into reusable guidance

Ovation Sequence Assistant Agent



Why It Stands Out

- Explains the problem, not just the symptoms
- Understands sequence context including logic, permissives, and dependencies
- Combines real-time and historical insight



Product Snapshot

- Requires Ovation 4.0 with Ovation Virtual Advisor
- On-prem GPU infrastructure powering proprietary large language models (LLMs)
- Operates within the security of Ovation highways' closed networks
- Subscription licensing available in 1, 3, and 5-year plans



Customer Inputs

- Startup/Shutdown/Process Sequence Algorithm (Required)

Are You Ready to
Start Your AI Journey?

We are.

Learn More at

