

PETROCHEMICALS

CASE STUDY

Consolidating Octave Forte environments into a single governed system to establish a foundation for scalable digital project delivery.

100%

Tag and GUID preservation

0

Unplanned downtime and rollbacks

50%

Fewer Forte environments to manage

SUMMARY

The client had two Octave Forte environments that were meant to operate the same way but had grown apart over time. Catalogs, line classes and symbols no longer matched, and the risk of rework and downtime grew with every new project. What seemed at first to be a simple consolidation quickly revealed itself to be a complex and high-stakes challenge.

ReVisionz upgraded the software, unified the catalogs and merged the models in a way that preserved every tag and drawing link. We rehearsed the cutover step by step and carried it out inside a single planned window. Within five working days the system was live again, and within a week designers were back at full productivity.

The client now runs a single Octave Forte ecosystem with consistent standards and simpler operations. With automated checks and a repeatable process in place, the organization has a safer and faster way to manage projects and is better prepared for future expansions.

Project Snapshot

Client Industry: Petrochemicals

Practice Areas Utilized: Digital Project Solutions

Project Duration: 4 months

Client Success Criteria

- Achieve production readiness within one week of cutover.
- Limit outage to five working days.
- Preserve all GUIDs, tags and drawing associations.
- Consolidate duplicate Octave Forte environments into a single governed build.
- Complete the work within the allocated service hours.

Challenges

- Significant catalog and shared-content divergences despite a common seed.
- Conflicting symbols and standards across environments.
- Risk of BOM and reporting mismatches without harmonization.
- Strict outage limit of five working days and a one-week readiness target.
- Need for a governed Dev to Test to Prod promotion model.

REVISIONZ

Experts guiding your digital journey

Key Results



Data Integrity

Every tag preserved, with drawing associativity and reporting parity intact.



Minimal Disruption

Cutover completed inside the five-day outage window, with designers fully production ready in under a week.



Consolidation Efficiency

Two Octave Forte environments reduced to one governed build with unified standards and catalogs.



Future-Ready Operations

Governed promotion workflows and automated validation established a repeatable model for future roll-ins.



ReVisionz' Strategy

- Conducted a full analysis to uncover divergences and risks.
- Upgraded Octave Forte to v13.1 to create a stable foundation.
- Harmonized catalogs, codelists and symbols through automated mapping.
- Executed a GUID-preserving merge with rehearsed cutover steps.
- Delivered training, hypercare and operational runbooks to enable adoption.

Tools & Tech Used

Octave Forte v13.1

Takeaways

- Reference data should be governed like code to ensure safe, repeatable releases.
- Defining outage and readiness guardrails upfront guides trade-off decisions.
- Rehearsed cutovers and rollback plans reduce operational risk.
- Governance and enablement are as critical as the technology itself.

Complexity & Innovation

- Delivered a GUID-preserving merge that avoided costly rework.
- Harmonized catalogs and specs at scale to restore consistency.
- Unified drawing standards and workflows without productivity loss.
- Automated QA checks to validate results faster than manual review.

Established a governed process for future Octave Forte roll-ins.

Get in Touch with One of Our Experts Today



855-444-8184 | revisionz.com