

**SHARE**  **REVIEW** For Plant 3D

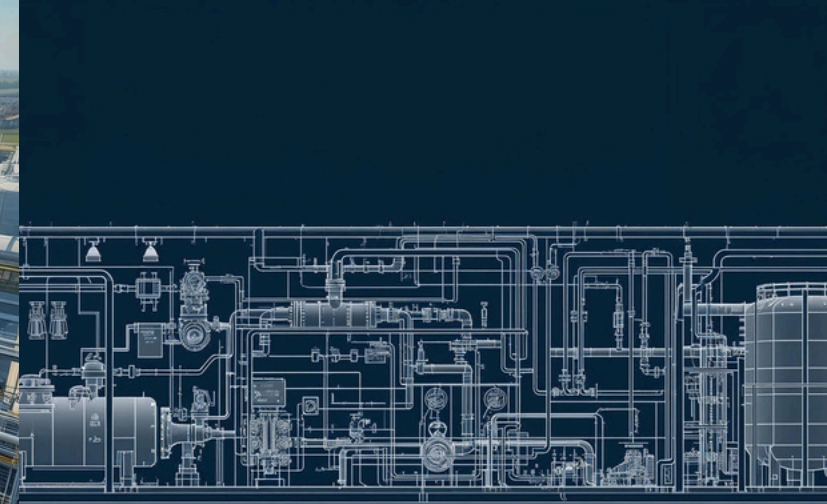


Use Case | AutoCAD Plant 3D

Transforming Design Reviews  
for Plant Engineering Teams

Streamlining Plant 3D collaboration by eliminating  
fragmented workflows

**ACCELERATE YOUR REVIEWS**



# Customer Overview

A global owner-operator in the specialty chemicals and petrochemicals sector, managing large-scale manufacturing facilities and expansion projects across multiple geographies. The organization utilizes AutoCAD Plant 3D for developing and reviewing:

- P&IDs
- 3D piping models
- Equipment layouts
- Isometric drawings

With engineering, operations, and external EPC partners collaborating across locations, design reviews involve multiple stakeholders including process engineers, plant operators, safety teams, and contractors.

As facilities expand and modifications increase, ensuring accuracy, compliance, and coordination in design reviews becomes critical to avoid operational risks and costly rework.



# The Challenge: Fragmented Design Review Workflows

Despite using advanced tools like Plant 3D, engineering review processes remain largely manual and disconnected.

## *Challenges*

- Review feedback scattered across emails, PDFs, and offline markups
- No direct linkage between comments and P&ID tags, pipelines, or equipment
- Difficulty incorporating operator and safety feedback into design workflows
- Manual tracking of changes across brownfield modifications and revamp projects
- Limited collaboration between internal teams and external contractors
- Lack of centralized visibility into review progress

## *Effects*

- Delays in approval cycles impacting project execution timelines
- Increased risk of design errors affecting plant safety and operations
- Rework due to misinterpretation of multidisciplinary feedback
- Inefficient coordination between design and on-site teams
- Limited traceability of decisions for audits and compliance
- Reduced visibility into overall project and modification status

# From Fragmented Reviews to Structured Collaboration

From **disconnected** reviews to a **centralized, traceable** workflow



# Enabling Structured and Traceable Design Reviews

Share2Review integrates with Plant 3D to centralize feedback and streamline design reviews

## *Solution*

- Contextual comments directly on P&IDs and 3D piping models
- Direct linkage of feedback to tags, line numbers, and equipment
- Centralized platform for capturing and managing all review comments
- Seamless collaboration across internal teams and external stakeholders
- Integration within the Plant 3D environment (no context switching)
- Complete history of feedback and design changes

## *Impact*

- Faster review cycles across disciplines and project phases
- Significant reduction in rework due to clearer, contextual communication
- Improved coordination between engineering, operations, and safety teams
- Enhanced visibility into review status and project progress
- Stronger accountability across stakeholders
- Full traceability of decisions for audit and compliance
- Reduced project delays and improved delivery timelines



# Reach out to Us

Email

[info@share2review.com](mailto:info@share2review.com)

Website

[www.share2review.com](http://www.share2review.com)



**Neilsoft**

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