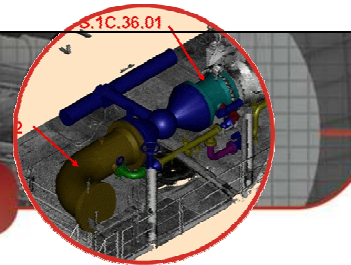




Quantapoint Capabilities



Visualize and Plan Construction

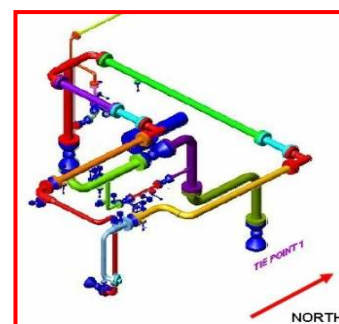
Quantapoint provides visualization of proposed construction and installation plans with the Digitized Facility™ to identify and resolve potential issues, reducing field welds, construction clashes and construction time.

Visualization and Planning for Zero-Defect Construction

Quantapoint employs an experienced team of laser data design specialists to provide visualization of proposed construction plans using the Digitized Facility™. This helps ensure that zero-defect designs and zero-defect fabrication are reflected in planning and construction. By visualizing and planning construction, Quantapoint clients have been able to reduce field fit-up welds by 98%, construction clashes by 98% and construction time by 20%.

Ensure Lines are Assembled Properly with Assembly Diagrams

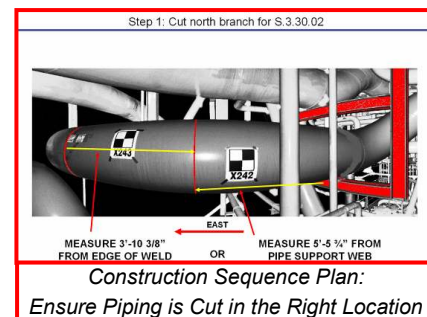
An Assembly Diagram is a system or line based set of 3D spool models combined to show the final assembled line and enhanced to color-code and annotate each spool. These diagrams help the construction team – which typically has little direct knowledge of the design – better understand how the individual spools fit together. This helps ensure that the final assembled lines are assembled and fit into the facility with minimal or no issues and is ideal when a project has a tight schedule, teams are distributed geographically or multiple languages are being used.



*Assembly Diagram:
Ensure Lines Assembled Properly*

Issue-Free Installation with Construction Sequence Plans

A Construction Sequence Plan is a step-by-step visualization of construction, including where existing piping must be cut and the sequence for installation of new items. This enables the project team to review and approve construction sequences before they commence and provides a guide for personnel in the field. This helps ensure that the construction sequence will proceed with minimal or no issues and is ideal when a project contains has a tight schedule, multiple languages are being used and hot work in the facility must be minimized.



*Construction Sequence Plan:
Ensure Piping is Cut in the Right Location*

Identify Potential Issues with Construction Visualization

A Construction Visualization is an animation of construction, such as an equipment path, rigging plan or an entire sequence. This makes the overall construction more understandable for review and preparation, especially for large, distributed or multi-lingual teams. This helps ensure that construction proceeds with minimal or no issues and is ideal for complex projects.

Typical Benefits from Visualizing and Planning Construction

By visualizing and planning construction, Quantapoint clients have typically been able to

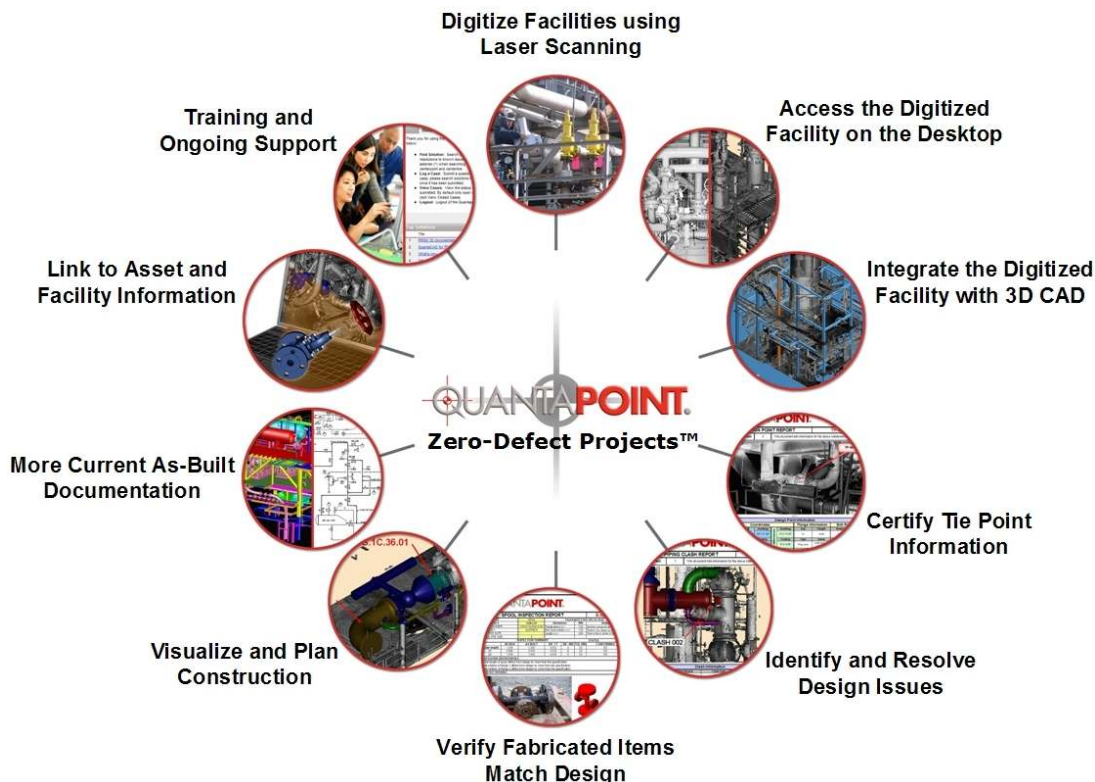
- 🔍 Reduce field fit-up welds by 98% – Visualize construction and installation plans to eliminate unnecessary field welds
- 🔍 Cut construction clashes and interferences by 98% – Ensure that zero-defect design and fabrication are reflected in construction
- 🔍 Decrease construction time by 20% – Identify and correct potential construction issues before they occur

“The only serious interference issue we encountered was where Quantapoint wasn't involved. Without using Quantapoint, we may have encountered up to 5 or 10 major interferences given the magnitude of project.”

*Engineering Manager,
Parsons E&C*

Quantapoint Capabilities

Quantapoint has developed capabilities to eliminate the most common sources of preventable project defects identified by our clients. By following the steps in Quantapoint's Zero-Defect Projects capabilities lifecycle, clients have typically been able to **beat their project budgets and schedules by 15% or more with a greater than 1,000% return on investment.**



Contact Quantapoint Today!

For more than 15 years and 1,000 projects, Quantapoint has been helping our clients increase success by eliminating potential defects across the project lifecycle. Our technology and services provide a framework that can improve performance for nearly any project – regardless of size – and can be customized to meet specific client needs. For more information, please visit www.quantapoint.com, e-mail info@quantapoint.com or call +1-412-653-0100.