

# LASER SCANNING AND DESIGN VERIFICATION SERVICES FOR INDUSTRIAL FACILITIES



Quest Integrity uses advanced 3D data capture technologies to provide analysis, quality control, documentation and decision support services to help clients eliminate the most common sources of preventable defects from across the project lifecycle.

Quest Integrity uses a fleet of advanced laser scanning systems, operated by the industry's most experienced professionals, to safely and efficiently capture the project scope. The laser scans are seamlessly merged to generate a complete and precise Digital Facility that is used as the basis for critical decision making and design verification.

## SOLUTIONS

Quest Integrity provides solutions to eliminate the most common causes of project rework:

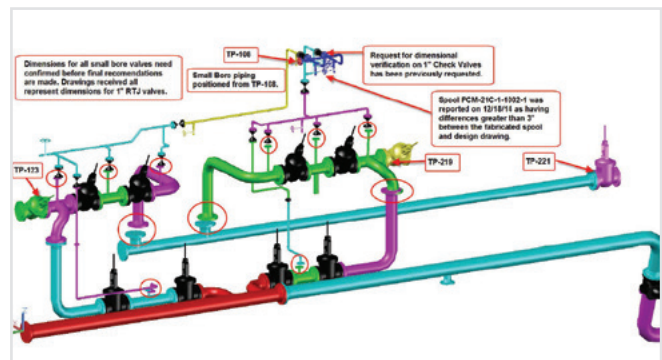
- Inaccurate as-built information
- Incorrect tie-points
- Interferences
- Fabrication errors



Fabricated spool doesn't match design

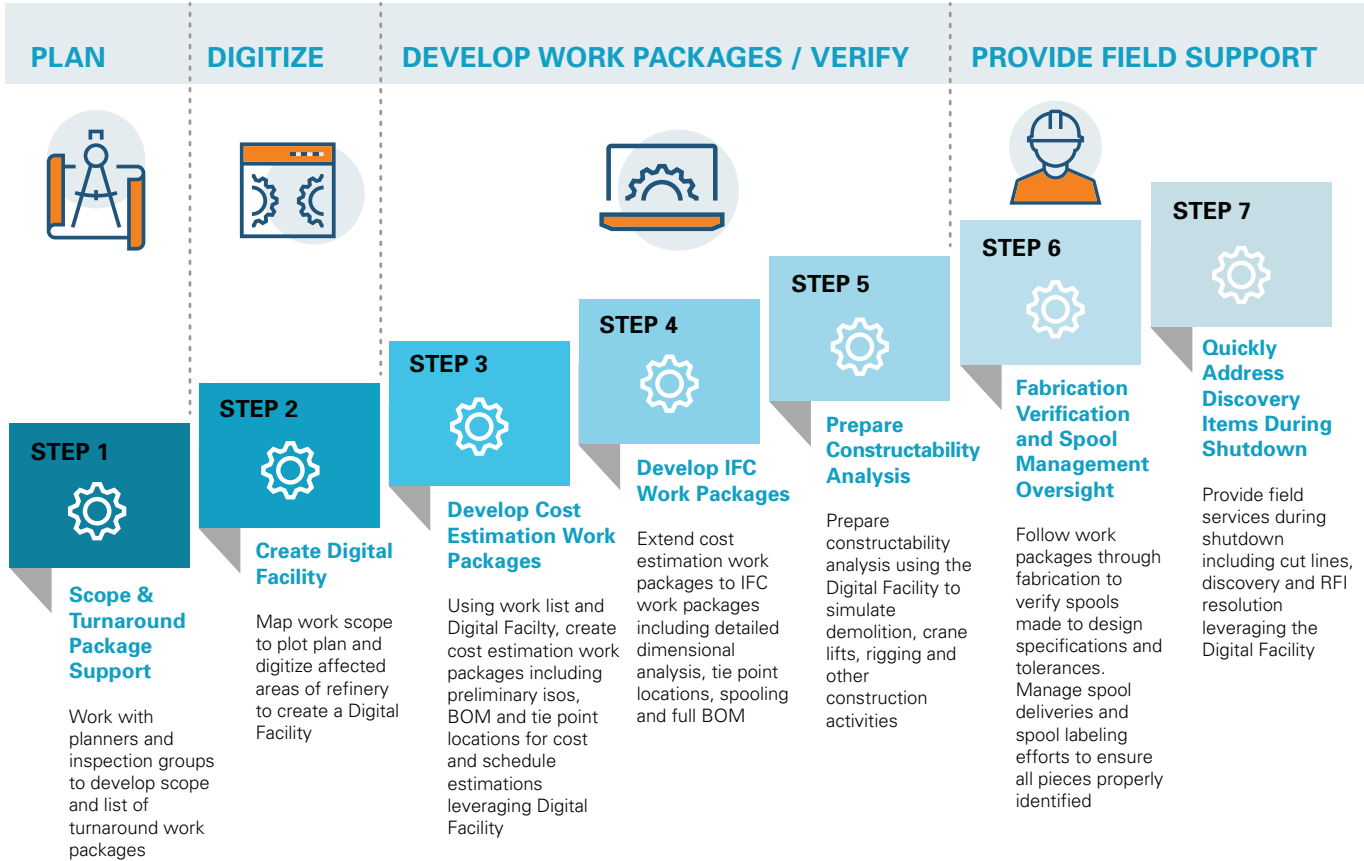
## SERVICES

- **Laser Scanning** – Utilizing the latest technology, the scan data accurately captures existing facility conditions.
- **Intelligent 3D Models** – Advanced plant modeling software produces intelligent 3D models of piping and equipment.
- **Design Verification** – 3D CAD designs are integrated with laser scans to confirm tie-points and ensure design is clash free.
- **Fabrication Verification** – Spools and components are verified at the shop enabling non-conforming parts to be repaired before shipment.



Intelligent 3D Model

## PROVEN WORK PROCESS



### INDUSTRY EXPERIENCE

- Industry pioneer with over 20 years of laser scanning experience
- Over 4,000 projects across 6 continents
- Projects from 10 to 20,000 scans
- Experienced full time CAD Designers
- Industry trained field specialists

## QUEST INTEGRITY

Quest Integrity, a Team Industrial Services company, is a global leader in the development and delivery of asset integrity and reliability management services. The company's integrated solutions consist of technology-enabled, advanced inspection and engineering assessment services and products that help organizations improve operational planning, increase profitability, and reduce operational and safety risks. Quest Integrity is built on a foundation of leading edge science and technology that has innovated and influenced industry best practices since 1971.

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