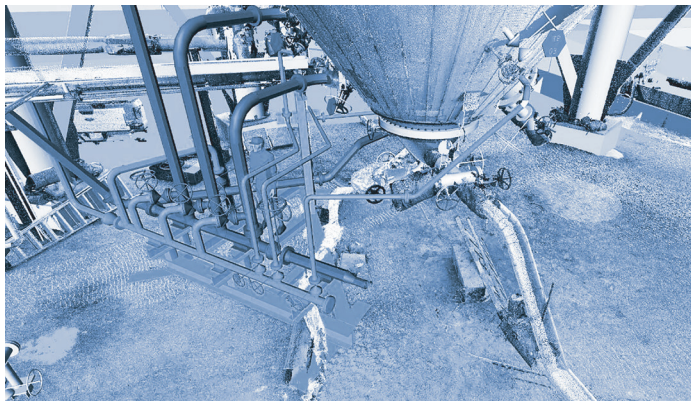


MOC PROJECTS, MODELING, & CONSTRUCTION Utilizing 3D Scan Technology

Both Federation Engineering & Federation Construction utilize 3D scanning to gain efficiencies on brownfield project. A prime example of this is when Federation was asked to design and install a new valve manifold below the vessel and connect it to the existing nozzles, each rolled at different angles, without performing any unnecessary field welds. Through 3D scanning technology, the Federation team was able to create a perfect image of the current configuration, and from that, created an updated model for fabrication. The model was fabricated at Federation Construction facilities and installed on site where it fit perfectly.

By combining our experienced teams with 3D scanning technology, Federation can reduce project time and improve accuracy. This, in turn, results in significant savings for both parties.

- Process engineering
- Mechanical engineering
- Instrumentation & controls engineering
- Civil engineering
- Structural engineering
- Design & drafting
- Procurement



Contract Type: Lump Sum

Benefits:

- Increased accuracy
- Reduced time
- Reduced cost