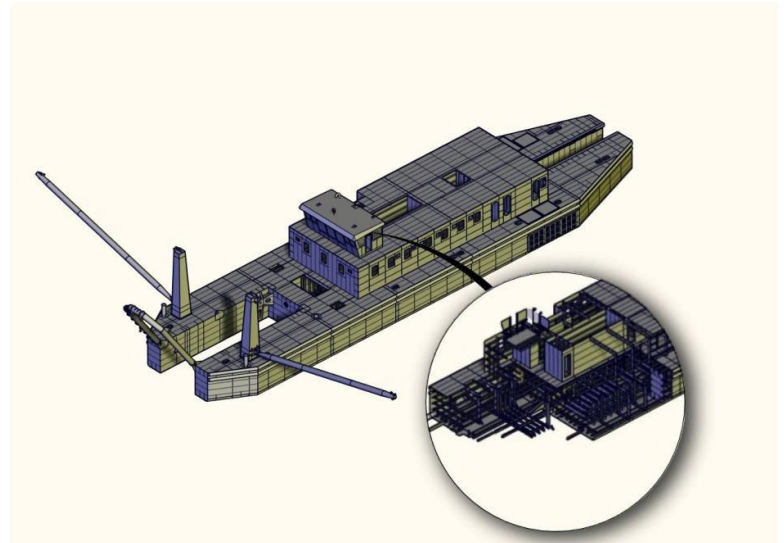


TRIMECH PARTNERNS WITH COTTRELL CONTRACTING FOR 2D-3D CONVERSION



THE CHALLENGE

Cottrell Contracting has been engaged in the hydraulic cutter suction dredging business since its founding in 1928. Operating along the Eastern Seaboard, Cottrell is continuously engaged in new and maintenance dredging projects for both government and private agencies. Due to high demand for its services, construction is underway to add another dredge to its arsenal. This dredge was designed by an outside firm utilizing AutoCAD 2D. Cottrell, a long term Partner with TriMech Solutions, understands the power of 3D and decided there would be tremendous benefit to having the model converted to 3D but faced resource challenges.



THE SOLUTION

TriMech Services converted the 2D drawings supplied to Cottrell Contracting and created a 3D Model of the new dredge. The 3D Model has been utilized to see potential access and interference issues and will eventually be used by Cottrell to plan equipment layouts as well as the power and piping connections.



Summary and Metrics:

- Interferences detected during conversion and corrected before actual construction
- Model completed ahead of construction to allow better visualization and planning
- Task completed offsite with TriMech resources to increase Cottrell Bandwidth

“The Interferences detected by developing the ‘Rockbridge’ 3D model early in the project prevented an abundance of re-work and field changes. TriMech and their team has provided an enormous benefit and will be our partner of choice for future modeling, simulation, and engineering needs.”

Billy Stone
Vice President, Engineering