

Heavy Transportation BARGE and PLATFORM TRAILERS

Project: First U.S. GE 7H Technology Gas Turbine Combined Cycle Plant
Location: Swan Island Shipyard, Portland, Oregon
Owner: Oregon Iron Works
Year: 2007

Scope:

Bigge Crane and Rigging Co., as contractor to Oregon Iron Works, performed the following heavy transportation activities including land transport and barge loading.

- Engineered custom transportation and storage solutions
- Moved the 53-foot tall and 130- feet long, 1,200 ton Caisson out of the fabrication building to an outfitting area and then transported it 1/4 mile to the launch barge
- Placed it onto the barge which was lifted up to dock elevation by a floating dry dock.
- After Bigge removed its transporter, the barge and dry dock were submerged so the Caisson could float off. After further outfitting and commissioning, the Caisson was towed down the Columbia River, up the Washington coast and into Puget Sound.

Job Challenges:

To load the Caisson onto our heavy duty SPMT Scheuerle transporter, Bigge devised a support system that served as the Caisson's supporting structure and as its lift points holding the Caisson steady in an upright position. This approach allowed the 140-foot SMPT trailer to drive underneath and lift the Caisson for transport without side assistance.

