

Case Study 13: Tank Access

Gulf Power/Crist Plant - Pensacola, FL

Contractor: SealTech

Facility Owner: Gulf Power

Project Scope:

Provide access to the jet bubble reactor's upper tank wall and beams for sanding, joint finishing, and joining beams to tank wall, and to beams to install piping for the cooling process

Challenges:

- The fiberglass tank restricted load capacities.
- To minimize effects on the plant's production, quick and efficient installation times were required.

Solution:

Spider's engineering experts designed a circular platform that could be separated into quarters to increase the load capacity. The platform was rigged with corner adapters and Spider's 702396-1 Extended Parapet Clamps. Eight 30 ft (9.1 m) modular platforms powered by SC1000 traction hoists and equipped with 5x5 beams and H-plates were rigged between the reactor's beams.

Superintendents, foremen and key team members completed Spider's Competent Person Training course at the Pensacola Operation Center to ensure safe, efficient operation of the equipment.

Spider's custom engineered design solution saved SealTech six project days for its entire crew due to the ease and efficiency of Spider equipment, compared to the ground-based scaffold solution the company considered.



Check out the products featured in this case study:

Corner Adapters - page 78
Extended Parapet Clamp - page 116
Modular Platforms - pages 70-71
SC1000 Hoist - pages 26-32
Beams - pages 94-95
H-plates - page 99
Competent Person Training - pages 216-217