



QuikDeck® Offshore Testimonial





Offshore Access On time. On budget.

Photos (from left to right): QuikDeck® is suspended along the underside of the oil platform; Equipment is gathered and staged on the platform; Completed assembly of QuikDeck®; A welder installs pad-eyes to the platform; Installation of equipment.

For this oil platform off the Alaskan coast, Safway's QuikDeck® Suspended Access System provided complete access for maintenance services without using a single work boat during installation or dismantling.

Access Without Excess

Offshore applications mean challenges beyond your standard access project.

Contractor Dunkin and Bush wanted a safe access plan for trades to coat, weld and inspect the oil platform. The flat, modular platforms of QuikDeck® made it the optimal choice for the project.

"We have worked with Safway for many years in other areas of the country, [and we] trusted their engineering and judgment on this critical project," said Martin Horgan, Dunkin and Bush Regional Manager.

Space underneath the oil platform was limited, but the open platforms of QuikDeck® enabled safe, easy access to work surfaces.

Remote Jobsite

The platform's offshore location created a challenge to efficiently transport access equipment to the jobsite.

Material was compiled onshore at the nearest Safway branch. Crews staged the equivalent of three truckloads of QuikDeck® from a working platform deck, which was then shipped by barge to the oil platform.

After all equipment and personnel were gathered on the jobsite, assembly began. Given the ease of installation of QuikDeck® and the skill and dedication of the crew, the platform was built in 10 days, four days earlier than anticipated.

"Our crews did not have to rely on barge or work boat support, ... [saving] installation time and barge support costs," Horgan said.



QuikDeck®: Built “in the air”

The installation of equipment on the oil platform involved a unique process for attaching QuikDeck® suspension points.

On traditional rigs, standard QuikDeck® beam clamps would be used for suspension from structural steel. The bottom of the oil platform, however, is flat plate steel, so the suspension points needed to be installed before overall erection could continue.

The installation of hanging points, or “pad-eyes,” was made possible because of the unique ability of QuikDeck® to be cantilevered up to 16 feet from the most recently attached suspension points.

The build process began with a stabilized starter platform which was cantilevered outward eight feet where additional pad-eyes were installed.

This process was repeated until an entire row was built, spanning 100 feet. From there the platform could be cantilevered in any direction to install additional support hangers.

This installation was a complex process but was successful in part because of the unique “build in the air” feature of QuikDeck®.

“This system is superior to other access systems we have used,” Horgan said.

Teamwork: getting the job done

In order to maintain project deadlines, a dependent relationship between the welder and the erectors was established. The number of erectors was balanced to match the speed of the suspension point welding process.

The platform remained in place for the coating contractor to proceed with work throughout the summer. The contractor divided the underside of the deck into three sections: a preparation stage, a painting stage, and a final stage.

The high load capacity of the platform allowed the painter

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to stage material close to the work for maximum efficiency. Flat, stable decking provided the painter with optimum productivity.

Safway’s portion of the project was completed in late September 2008, which included the incident-free erection and dismantle of QuikDeck® under the 12,000-square foot oil platform.

Why choose QuikDeck®?

- Large load capacities range from 25 psf to more than 75 psf
- Components are galvanized to help resist corrosion
- Equipment can be leapfrogged and relocated as work progresses

QuikDeck®

Features

- Basic components are easy to handle and assemble
- Flat, open work environment with fewer tripping hazards
- Configures to fit almost any shape or size
- Readily accepts containment and helps resist wind loads

Applications

- Offshore rigs and platforms
- Maritime vessels
- Boiler applications and maintenance
- Temporary stages and walkways
- Bridge construction, maintenance and repair
- Atriums



Photos (from top to bottom): The QuikDeck® Suspended Access System is assembled underneath the oil platform; Crews in the process of erecting QuikDeck®.



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