



Shell Martinez Flexi-Coker Unit Expanding Platform – Martinez, CA

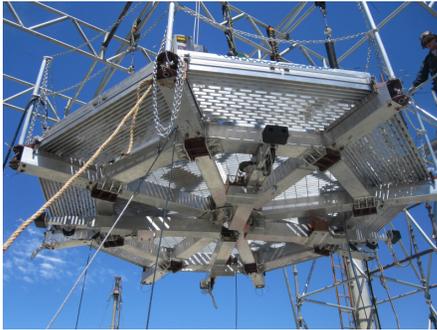
Customer: Shell Martinez

Project Scope: The customer required a circular platform that was able to expand to stay near the walls of a cone-shaped flexi-coker unit. Increased lifting capacity was required to enable a hydraulic chipping machine to remove coke for maintenance and inspection of the tower.

Challenges:

- The cone-shaped structure ranged from 9 ft to 20 ft, requiring a platform that could expand to accommodate the varying dimensions.
- The coke removal was to be performed by a 2,700-lb remote-controlled hydraulic chipping machine, which needed to be transported on the platform. This required additional lifting capacity as well as platform stabilization.
- A custom, on-site training program was required for the crews prior to the start of the project to ensure their ability to self-perform the assembly, installation, operation, and removal of the platform.

Solutions: Because the structure was continuously in operation, Spider’s engineers and project team worked site unseen to design a custom circular aluminum platform, expandable from 9 ft in 1 ft increments, with pre-cut grated decking and expandable handrails. Powered by four SC1500 traction hoists, the platform had an increased lifting capacity to accommodate the 2,700-lb hydraulic chipping machine. Telescopic stabilization legs with isolation were added to enable welding on the platform. Spider trainers spent three full days conducting customized in-class and hands-on training for fifteen crew members two months prior to the project to ensure safe and smooth operation.



About Spider:

Founded in 1947, Spider, a division of SafeWorks, created the powered suspended access business by introducing the well-known Spider basket. Since then, our product and service offering has expanded greatly to serve the needs of an ever-growing marketplace. Spider is the largest manufacturer and distributor of access and safety solutions in North America, serving more customers from more locations with a wider variety of products and services than any other company. From baskets, traction hoist and platform rental, to safety and training, to specialty-engineered products - Spider has a strong team of professionals, along with a national network of sales, service and support capabilities to provide you with the most reliable access solutions available.



Spider, a division of SafeWorks

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