

PROJECT BRIEF

Redefining Distillation Tower Access

Innovative solution delivers project on-time, under-budget and incident-free

Summary

U.S. petrochemical plant needed access to a 245-foot-tall distillation tower for maintenance work. Using a crane to lift people and materials was out of scope, so the client called BrandSafway to explore alternatives. BrandSafway engineered a solution using the Century Elevators SuperLift 4400 rack and pinion transport platform. BrandSafway's creative plan drastically reduced worker fatigue, saved time and money, and enhanced productivity.

Enhanced efficiency + reduced fatigue = zero incidents

Using stairs alone to reach the top of the tower was not practical, safe or efficient. Scaling stairs in the hot and humid weather while wearing flame-retardant coveralls would increase worker fatigue, as well as the risk of incident or injury. BrandSafway's transport platform was the best and safest option to move materials and workers to height as quickly and efficiently as possible.

Add it up

Time studies on the project showed that climbing steps averaged five to 10 minutes, whereas taking an elevator averaged two to six minutes. In the end, the customer saved approximately 25% time overall, thanks to increased labor efficiency. >

QUICK FACTS

Project	Distillation tower access
Location	Houston, Texas
Dates	October 2020 – June 2021
Services	Access for tower inspection and repair, insulation removal, blast and paint
Scope of Work	Scheduled inspection and maintenance of a 245-ft. fractional distillation column
Products	Scaffold, stairs, Century Elevators transport platform
Safety Record	Zero OSHA recordables



BRAND SAFWAY®

At Work For You®



**Engineered
for Safety**

BrandSafway's transport platforms are designed to keep workers safe while lifting heavy loads. Gates and electromechanical interlocks prevent riders from opening doors, unless the platform is at a landing.

“Using the transport platform reduces worker transit time and stress – and the benefits increase the higher you go.”
– Project Manager



Increased efficiency and zero incidents made this project successful. The customer was so impressed that they are eager to use BrandSafway's transport platform solution for a second distillation tower.

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For more information, visit www.BrandSafway.com