

PROJECT PROFILE

SHELL HYDROGEN TRUCK REFUELING STATION



Client: **SHELL** | Location: **LONG BEACH, CALIFORNIA**

To support its [sustainable energy directives](#), Shell turned to Audubon to supply [engineering](#), [procurement](#), and [construction management](#) (EPCM) for the first hydrogen fueling station at the Port of Long Beach, California.

Audubon modeled the associated hydrogen pipeline and recommended a line size that could scale to accommodate future fueling rates. The team also recommended all-weld construction for the hydrogen fueling station to minimize hydrogen-induced cracking (HIC) and improve facility safety. To advance the project without interruption, Audubon also provided [survey](#), [mapping](#), [permitting](#), and [right-of-way](#) services.

Audubon's EPCM expertise for this [clean energy](#) project enabled Shell to deliver a sustainable alternative fuel for passenger vehicles, buses, and heavy-haul trucks—playing an important role in California's effort to [decarbonize the transportation sector](#).

Read our [case study](#) to learn more about this project.

Project overview

- Hydrogen fueling station for vehicles, buses, & trucks
- Hydrogen pipeline risk for HIC
- Pipeline routing through congested infrastructure
- Statewide transportation decarbonization initiative

Scope of work

- [Conceptual study](#)
- Front-end engineering & design (FEED)
- Detailed engineering & design
- Procurement
- Project management
- Construction management support

