

Clean Fuels Project

Prince George, British Columbia, Canada

With the new clean fuel requirements, Husky Oil had to upgrade their refinery in Prince George, British Columbia to be compliant. The upgraded included the additions of new piping and process equipment.



El proyecto

The layout of the refinery, combined with quantity of new piping and process equipment, required numerous foundations. The original foundation design called for spread footings and the majority of these foundations were in close proximity to existing in-service equipment.

El reto

Layout, access, weak soils, and excavation requirements made the spread footing option difficult and expensive. Driven piles were considered, but they were not economic and ruled out as a solution.

La solución

Cyntech was engaged to provide a value-engineered helical pile alternative. The use of helical piles allowed for a smaller construction footprint to allow access to foundation locations, minimized excavations, and provided a deep foundation that accommodated the loads. Overall, the client was able to realize a savings in both cost and time.

- 150 helical piles
- Concrete embedded pile cap design
- Value-engineered helical pile alternative to spread footings

Datos del proyecto

Propietario(s)

Husky Oil

Unidad(es) de negocio Keller

Cyntech Group

Contratista(s) principal(es)

SNC Lavalin

Applications

Helical pile foundations

Markets

Oil, gas and chemical

Techniques

Helical piles

Correo electrónico

info@cyntechgroup.com

Phone number

936-206-7810