

Client

Shell Canada

Location

Fort Saskatchewan, Alberta, Canada

Budget

Undisclosed



The Need

Shell Canada made a voluntary commitment to reduce its full cycle greenhouse gas (GHG) emissions by 2010. The plan was to capture CO₂ from its facilities located at Shell's Scotford Upgrader site near Ft. Saskatchewan, Alberta. The plan is to build CO₂ capture and compression facilities to process 1.2 million tons of CO₂ per year.

CH2M HILL Solutions

CH2M HILL provided the basis of design documents for the CO₂ carbon capture project that was a front end definition project (FED-1). We developed process unit balances, utility balances, process system drawings, utility system drawings, major equipment specifications for cost estimates, and the overall basis of design documents.