Jetty Facilities for SAF Plant

Key metrics

Pre-FEED > FEED
Project Phases

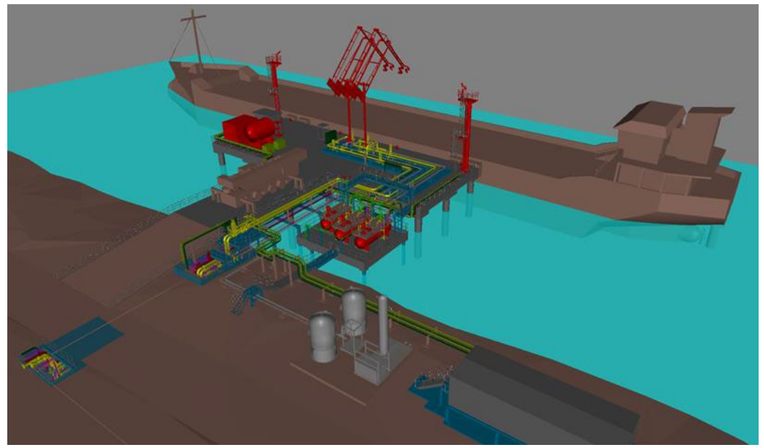
8700
Hours of engineering

30 weeks
Project duration

AT A GLANCE

A Sustainable Aviation Fuel (SAF) manufacturer planned a new greenfield plant adjacent to an existing port.

InSite delivered pre-FEED and FEED engineering for the OSBL scope, including jetty infrastructure to support the overall project investment decision.



CHALLENGE

The client required a dedicated engineering partner to deliver the OSBL (Outside Battery Limits) scope, which was not covered by their main EPC contractor. The project demanded early delivery of ethanol-to-jet operations ahead of a future waste-to-ethanol phase, with complex interfaces at the port and critical permitting and safety considerations.

SOLUTION

InSite produced pre-FEED and FEED engineering packages for the OSBL scope. This included jetty import of ethanol and export of jet kerosene, with bi-directional flow capability. A multi-discipline project team supported the project to meet all requirements, including fire and gas detection, and safety instrumented protection systems.

InSite worked closely with both the client and port operator to develop the design to HAZID and HAZOP definition stages. InSite managed equipment specifications and enquiries. InSite also supported the client in securing planning permission and discharging permits.

Outcomes include; Jetty scope FEED package completed, including 30% 3D model and P&IDs issued for design. OSBL Class 3 cost estimate delivered to support client investment decision.