



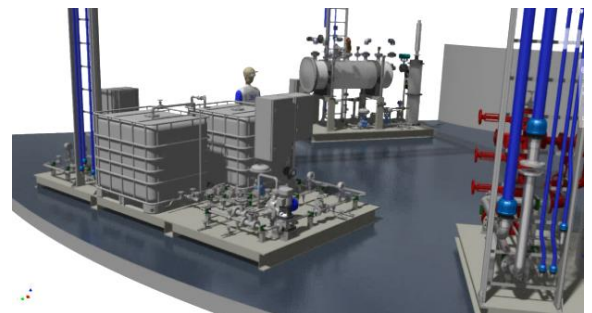
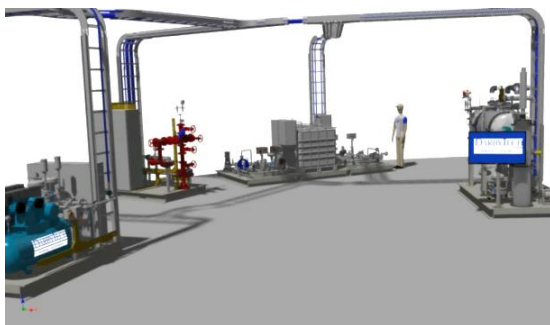
Multiple training outcomes

Operates as an integrated plant or individual stand-alone trainers

DCS / PLC control options

Large screen display and local HMI visualization & control

Industrial standard Instrumentation



4 TRAINERS

3 PHASE SEPARATION

GAS COMPRESSION

PUMP & TANK OPERATION

WELLHEAD VALVE OPERATION

Gas/Liquid Separation,

Air Compression

Fully equipped with industry standard pressure, flow, temperature, level
measurement instrumentation

Tank level control, Pump operation

PLC / DCS OPTIONS

Maintenance and Operation training



Based around our standard design for the DarbyTech 3 Phase Separation Trainer. The core of the process is the separation of oil, water and air from the simulated crude oil flow. Our design provides an additional dimension to the learning experience, with multiple interconnected skids to give a greater level of realism simulating process operations that would be found within the gas/liquid separation process in both upstream and downstream production and refining operations.

This includes a Pump and Tank Trainer, a Reciprocating Compressor Trainer, an Air Blower and Wellhead valve representation. The plant is fully equipped with industry standard pressure, flow, temperature and level measurement instrumentation to teach different sensing technologies.

These additions provide greater scope for student interaction and further opportunities for the instructors to utilise the layout and orientation of the skids to provide physical interactions, simulations and scenarios to reflect the reality of actual production operations. The large screen display can be configured with selected process operation graphics from the DCS/PLC SCADA displays to enhance the visual learning experience with larger numbers of students.

Mail info@darbytech.ca for further information