



PLC
CONSTRUCTION
inc

Oil Treating Facilities

West Texas

Project Experience: Construction, I&E, Control
Systems Design & Integration



Client: Petroleum Company

Location: West Texas

Project Duration: April 2017- August 2018

Industry: Oil & Gas



Oil Treating Facility

(West Texas)

PLC Construction, Inc. was a contractor for I&E construction, control system engineering, programming, and commissioning services for two Oil Transfer Facilities, located in West Texas. Each facility is a multi-train oil-stabilization plant capable of processing 120,000 BPD.

PLC was responsible for the complete design of the control system, configuration, HMI development, I&E construction and commissioning. The design utilizes Emerson's DeltaV Distributed Control System (DCS) and Safety Instrumented System (SIS), which integrates several 3rd party control systems, smart MCCs and switchgear monitoring.

The full control-system design for each site consisted of, but was not limited to, a detailed I/O list with integrated vendor equipment details, panel layouts and wiring drawings that specified 3rd party interconnects, a full network design from the ground up, and a control narrative that was developed in conjunction with the client's needs and the process-engineering team's expertise.

PLC consistently worked hand-in-hand with all stakeholders on the project, playing an integral role in the success of the facility as a whole. Since then, PLC has been contracted to fill similar roles for various on-site projects, including the addition of multiple trains.

Train 3 and 4 were commissioned and brought online shortly thereafter. PLC's engineering & design team strives on developing and maintaining long term partnerships that produce successful projects like these.