

PROJECT PROFILE OVERFILL MITIGATION PROGRAM



Client: **REFINERY OPERATOR** | Location: **LOUISIANA**

Audubon was contracted to provide front-end engineering and design (FEED), [detailed engineering and design](#), [construction support](#), [project management](#), and virtual reality (VR) constructability modeling for an overflow mitigation program in Louisiana.

Designed to reduce the risk of column overflow, the hazard mitigation program included new operational protocols, reconfigured piping and process systems, and additional safety integrity level (SIL)-rated systems, field devices, and process controls.

The program implemented by Audubon allowed the operator to mitigate the risks of product overflow and possible vapor cloud explosion—improving the human and environmental safety of the site.

Project Overview

- Brownfield project
- Column overflow mitigation
- Safety instrumented system (SIS)
- Process control systems
- Operational protocol
- Civil, structural, piping, instrumentation, & controls

Scope of Work

- Project management
- Procurement
- FEED
- Detailed engineering & design
- Automation & control
- Construction support
- Process safety analysis
- VR constructability modeling

