

PROJECT PROFILE

FRACTIONATION CONTROL SYSTEM UPGRADE



Client: **LARGE MIDSTREAM OIL AND GAS COMPANY**
Location: **MARCELLUS SHALE**

Audubon was contracted by a large midstream oil and gas company to upgrade and segregate an existing [industrial control system](#) (ICS) for a fractionation plant in the Marcellus Shale. The upgraded ICS included a separate basic process control system (BPCS) using a Yokogawa [CENTUM VP](#) distributed control system (DCS) and a [safety instrumentation system](#) (SIS) using an Allen-Bradley ControlLogix programmable logic controller (PLC) with SIL1 and SIL2 safety-instrumented functions.

Audubon's scope of work included BPCS programming, SIS programming, communication between the BPCS and SIS systems, testing, and [field startup](#).

After the fractionation control system upgrade by Audubon, the midstream operator was able to accurately and efficiently separate its natural gas liquids (NGLs) for application.

Project Overview

- Brownfield fractionation plant
- ICS upgrade
- Yokogawa CENTUM VP DCS
- Allen-Bradley ControlLogix PLC

Scope Of Work

- Main automation contractor (MAC)
- Programming & communications
- Factory & site acceptance testing
- Commissioning & field startup support
- Schedule coordination
- Project controls

