

PROJECT PROFILE PLC UPGRADE AND ONLINE CUTOVER



Client: **OFFSHORE OPERATOR** | Location: **OFFSHORE GULF OF MEXICO**

An offshore platform operator in the Gulf of Mexico enlisted Audubon's [automation and control](#) team to upgrade the existing facility's programmable logic controller (PLC), safety instrumented system (SIS), and human-machine interface (HMI) systems. The scope of work included [project management](#), [procurement](#), programming, graphics development, testing, and onsite deployment. A detailed online SIS and basic process control system (BPCS) cutover procedure was also developed and tested before implementation to eliminate facility downtime.

Project Overview

- PLC upgrade (PLC5 to ControlLogix)
- Project management
- Procurement
- Programming & graphics development

Scope of Work

- Functional design specification
- As-built control narratives, cause & effect diagrams, & configuration sheets
- PLC & SIS panel design drawings
- Programming & configuration
- Cutover procedure development
- Factory acceptance testing (FAT)
- Site acceptance testing (SAT) & commissioning
- Operator training & start-up support

