



PROJECT PROFILE
**Ignition SCADA Solution for Offshore
BOP System**

CLIENT: International Oilfield Services Company

LOCATION: Texas

Audubon was contracted by an international oilfield services company to develop a fully custom, web-based application for monitoring and logging the performance of an offshore blowout preventer (BOP) system. Application requirements included tracking and displaying critical data points related to BOP valve and device functionality, operational history, alarms, events, and system status, while securely archiving both analog and digital data for review.

As an Inductive Automation Gold Certified Integrator, Audubon's automation team created a robust and maintainable supervisory control and data acquisition (SCADA) solution utilizing the Ignition Perspective platform. The function logger application is compatible with various operating systems and supports multiple communication protocols, facilitating seamless data exchange and integration with existing systems.

The browser-based application also features advanced, customizable reporting capabilities to generate insights into BOP system status and data trends.



Project overview

- › SCADA for offshore BOP system
- › Function logger application development
- › Ignition platform integration



Scope of work

- › Automation + controls
- › Engineering + design
- › Implementation + startup





The reports support the facility's operational teams by offering real-time and historical data, simplifying key decisions about maintenance, reliability, and proactive care—and ultimately extending the BOP system's lifespan and enhancing overall safety.

“Leveraging the Ignition Perspective platform, we designed and delivered a secure, scalable system that generates key insights directly from the BOP system in real time. Our team's ability to combine technical expertise with innovative problem-solving allowed us to enhance the system's reliability, streamline maintenance processes, and improve overall safety.”

Travis Steen

Director of Automation
Audubon

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