

EFFICIENT WELL SITE AREA MANAGEMENT

“Osprey Reach is an efficient and reliable way to remotely monitor well sites. The return on investment is clear.”

Senior Production Foreman

COMPANY

Major integrated oil and gas company

APPLICATION

Remote well site area monitoring

SECTOR

Upstream

INDUSTRY

Oil & Gas

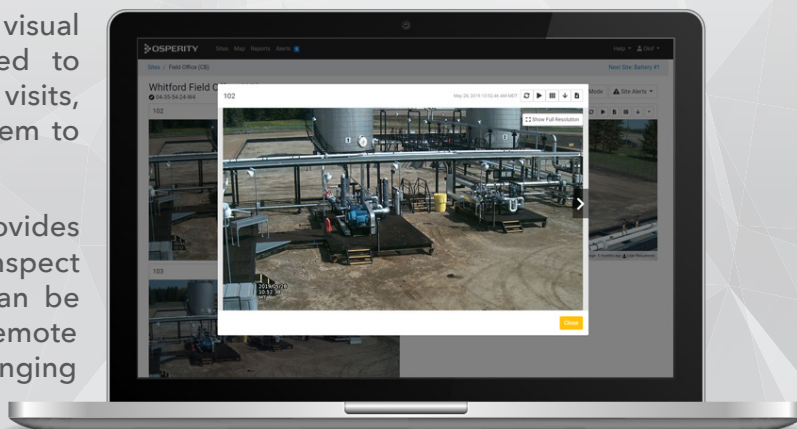
CHALLENGE

A major integrated oil and gas company seeks to make its oil production operations more efficient in the face of depressed commodity prices. The company was already using the intelligent visual monitoring system at several sites and facilities for operations monitoring and security, and worked collaboratively with Osperity to identify new applications to lower operational costs and improve productivity.

SOLUTION

Working directly with the Senior Production Foreman for an operating area in Western Canada, Osperity developed a business case for replacing routine oil well site visits with online visual site inspections via the platform. Upon approval of the business case, Osprey worked with the customer to design an initial roll-out with the following objectives:

- ◆ **Operations:** Validate that the visual monitoring platform could be used to significantly reduce routine site visits, and that personnel will use the system to prioritize work activity.
- ◆ **Technology:** Prove that Osperity provides an efficient, user friendly way to inspect sites online, and that the system can be reliably deployed at distributed, remote sites with low bandwidth and challenging environmental conditions.



Osperity initially deployed the solution to a select number of high priority well sites. Users were able to view on-demand live images of the pumpjack stuffing box area and rod for all sites, and live video to show rod cadence.

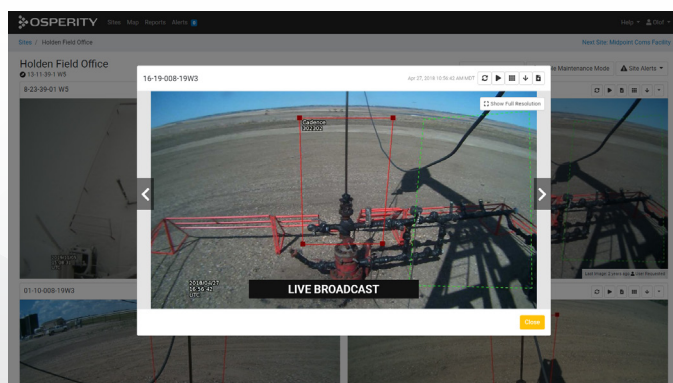
Osperity was also deployed at a remote tank battery, enabling operators to read tank levels and view the containment area.

Operators are able to reduce routine site visits by 50% through the use of Osperity for online site inspections.

RESULTS

Once deployment and user familiarization phases were completed, operators were required to use Osperity at the start and end of each shift, and use the results of these quick online site inspections to plan their work.

Our solution has proven to be effective and reliable for well site monitoring, with a strong return on investment.



KEY RESULTS

- ◆ The client's average loaded cost for an in-person well-site inspection: \$20 (industry average \$20-\$57). Labor cost for an online well site inspection through Osperity: \$1.
- ◆ Client also expects to reduce overtime call-outs by half.
- ◆ Based on achieving the efficiencies above, the expected payback period for the system is 4 months once fully deployed.
- ◆ Operators are able to prioritize maintenance and repair work with Osperity. For example, a stuffing box leak was discovered through the platform and the operator prioritized this site for servicing.
- ◆ Operators are able to easily access and use Osperity with minimal training, resulting in rapid user adoption.
- ◆ After three months of using the system, the Senior Production Foreman chose to more than double the size of his deployment. Osperity is working with the client for new deployments across additional operating areas.