

Case Study

Module and Pipe Tracking

Client: JV Driver Fabricators Inc.
Location: Edmonton and Fort McMurray, Alberta

Project Quick Facts

Project Duration

July 2007 to Dec 2009 (Est.)

Modules and pumphouses tracked and progressed

80

Spools tracked and progressed

5000

Electrical installation progressed

All construction work packages

SiteSense™ users

40

Quotes from users

"SiteSense is the future way to manage projects – being able to plan, coordinate and control aspects of a project in real-time."....Louis Parent, JV Driver's

Driver's

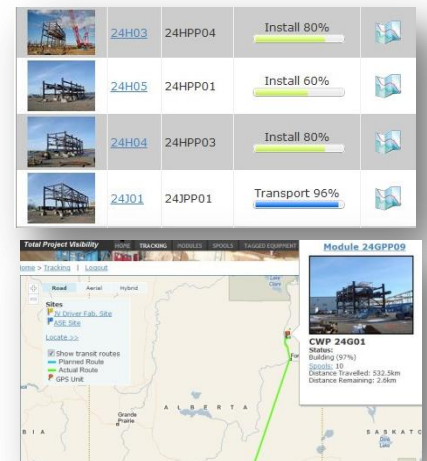
"Impressive system, with more potential"....Jim Conn, AMEC

Project summary

JV Driver's was responsible for fabrication and installation of modules and pipe spools for the Alban Sands Expansion phase 1 in northern Alberta. Intelliwave Technologies worked closely with JV Driver's to track and progress modules and pipe spools using SiteSense Tracking.

Tracking and Progressing Objectives

1. Reduce errors and time spent entering progress data
2. Improve material coordination between fab shop and project site
 - Locating materials
 - Automated shipment notifications
3. Reduce time spent producing reports
4. Allow for on-demand reporting by:
 - Construction contractor
 - Engineering/Procurement
 - Owner
5. Improve visibility and accountability



Solutions and Results

Intelliwave integrated SiteSense™ Tracking at the fabrication shop as well as at the project site into daily work processes. SiteSense is a web-based system which allows users to enter and retrieve progress at any terminal with access to the Internet. SiteSense™ reduced the time to enter progress data (with seamless integration and data reuse from project tools such as SpoolGen® and Primavera®) and reduced entry errors. SiteSense™ reduced data entry for this project from 4 employees to just 1.

SiteSense™ uses RFID and GPS to track the physical location of materials and equipment. Users could spend more time on important tasks rather than trying to figure out where an item was located. To help site coordinate resources, managers and material handlers could check SiteSense™ on the progress of a delivery, or they had the option of being sent email notification when an item was about to arrive.

SiteSense™ drastically improved reporting by allowing users to gather reports in real-time from the website. Users also had access to remote control cameras to verify progress without having to travel to the site.

SiteSense™ can dramatically improve project visibility allowing for real-time corrections to the project plan. By having one site where all parties can log into to retrieve reports, view shipments and real-time progress, Total Project Visibility™ is the future for all projects.

