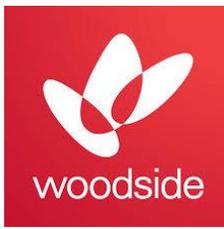


# Material Tracking – Woodside Case Study



## CLIENT OVERVIEW

Woodside is Australia's largest independent oil and gas company with a proud history of safe and reliable operations spanning decades. The company has an extensive portfolio of facilities which it operates on behalf of some of the world's major oil and gas companies. The Woodside Karratha Gas Plant required extensive refurbishment due to many years of internal and external corrosion of their LNG 1 train.

## CHALLENGES

When the location of materials ordered and contract procurement processes manually tracked, a number of problems are experienced;

- Almost 50% of materials subject to some form of waste
- Material controllers wasted in excess of four hours per hour per material lost
- In many cases materials have to be remade at significant cost
- Significant labour costs to manage the constantly changing shutdown schedule

## SOLUTION

RAMP, in partnership with INTELLIWAVE, the leading supplier of materials management and tracking solutions to the Oil and Gas Industry, deployed the SiteSense System, its materials tracking solution. All pipes and spools were tagged with a rugged, intrinsically safe, long range active RFID tag which enabled crew to know the exact location of materials throughout multiple sites around Western Australia, in real time.

## RESULTS

- Significant decrease in shutdown times and project delays by enabling the core crew and material controllers to quickly identify the location of shutdown of materials in real time and react to changing circumstances
- Unprecedented level of visibility resulting in a great reduction of the risk of delaying technical completion due to material not being available

*"Woodside deployed an RFID Materials Tracking solution from RAMP RFID on 2 shutdowns at Karratha in 2014. We have seen significant value in the solution, with both projects coming in on time and under budget, in no small way due to the RFID solution. I can highly recommend RAMP as a vendor"*

Jeremy Shannon, Program Delivery Manager  
Woodside Energy Ltd.

