



Unmanned Subsea Surveyor

Long term monitoring without ROV support

TECHNOLOGY AND APPLICATION

The Unmanned Subsea Surveyor (USS) is exclusive equipment available only through WorleyParsons.

This technology comprises a field mounted hydraulic telescopic arm with a fully flexible camera which captures either stills or video for later or live analysis. The USS can monitor an area of 300m² using a 10m arm that can rotate 360°.

The USS can be activated and operated immediately and remotely at any time, from anywhere in the world, delivering results within minutes.

The USS has application in many industries including oil and gas, mining, dredging, marine construction, government and defence.

Applications include:

- Real time subsea surveillance and protection
- Oil spill leak detection and monitoring
- Underwater/ remote research

- Remote exploration/ support e.g. Arctic
- Offshore drilling/ construction support
- Subsea maintenance

RESULTS

WorleyParsons created a step change in HSE exposure for our customers and personnel by eliminating the requirement for divers and the ongoing field exposure of ROV teams in remote areas, subsea and locations with climatic extremes. The USS can be operate in 2 modes; autonomous (transit to a specific location at set times), or manual (the user can inspect a specific location).

The USS solves subsea surveillance challenges as the images are fed in real-time to the project control center where security, environment or surrounds can be monitored.

The hybrid AUV / ROV offers an important new technological resource to a range of industries and applications across the world.

DIVERLESS SOLUTIONS

Proud recipients of:

- 2012 - Consult Australia Award Winner for Technological Innovation
- 2012 - Finalist IFAP Safety Innovation
- 2011 - Golden Gecko Environmental Excellence Award Winner
- 2011 - APPEA Safety Innovation Award - Overall Winner
- 2011 - APPEA Safety Innovation Award - Industry Choice Winner



For more information contact:
Peter Mellor - Technology Manager
Mobile +61 421 151 814
peter.mellor@WorleyParsons.com