



A team of 3 Kelpies™ tasked by iWatchdog™

Description and/or Specifications:

Kelpie™

- The "Kelpie™ Autonomy Stack" is an autonomous decision-making system that can be fitted to most vehicles. Using AOS's intelligent-software, agent technology, it can process information from on-board sensors and make local decisions about its own movements. One of Kelpie's main strengths is to be able to work in teams.

iWatchdog™

- iWatchdog™ uses Kelpie™ Autonomy Stack to coordinate teams of autonomous systems or vehicles.
- It facilitates human-machine teams by providing *explainability* for its reasoning.

Technology:

- Australian Army is highly capable, but small, and needs to win each engagement as it doesn't have large numbers of reinforcements.
- The effectiveness of each member can be greatly enhanced through the adoption of autonomous systems.
- The challenge is how do we integrate these systems so they maximise the effectiveness of each soldier.
- Some of the key areas where autonomous systems can provide real value include ISR, logistics, medivac and communications.
- By delegating high-risk and/or routine activities to an autonomous system, a soldier is freed-up to focus on other pressing matters.

Contact Information:



Contact: Dr Andrew Lucas
Position: Managing Director
Mobile: +61 412 550330
Email: andrew.lucas@aosgrp.com.au
Web: www.aosgrp.com.au
Address: 580 Elizabeth Street
Melbourne VIC 3000

Member Of:

