

# Phantom FlyImager Side-scan Sonar Drone



Deep Ocean Engineering has introduced an underwater vehicle, the Deep Ocean Phantom FlyImager. This is a hybrid system, co-developed with EdgeTech, allowing the user to utilise a side-scan sonar system, the EdgeTech 4125, combined with the functionality of the powerful, versatile and rugged Phantom T5 ROV.

The side-scan sonar system can be pulled behind a powered surface vessel as a towfish while scanning using 'wings' that provide stability and constant depth control. This [EdgeTech 4125 side-scan system](#) provides long range acoustic imaging in the water column to find targets. Once the target has been identified, the 'wings' are retracted and the underwater drone is converted from a towfish to a free flying [Phantom T5 ROV](#) for close up optical imaging of the target.

## Converted to ROV from Towed Side-scan System

The Phantom FlyImager hybrid drone is designed to be converted to an ROV from a side-scan system to become capable of taking immediate action based on real-time data retrieved and analysed using the side-scan sonar by utilising a single deployed vessel, thereby eliminating the need to deploy a passive side-scan sonar unit and separate ROV.