PLUTO GIGAS
MINE IDENTIFICATION AND DISPOSAL
Teledyne Brown Engineering (TBE) is partnered with Idrobotica to manufacture, test, and integrate Pluto Gigas, an underwater Remotely Operated Vehicle (ROV). This Mine Countermeasure Vehicle (MCMV) is the most advanced in its field with its ability to work in prohibitive conditions including high currents (up to 5 knots) and zero visibility. It is capable of movement in all directions including hovering. It can be deployed on missions to 600 meters in depth. Its on-board power source eliminates the need for bulky ship tethers that can adversely effect performance. It can perform missions in three modes: 1) remote control via tether, 2) remote control via wireless radio link, or 3) autonomously via preprogramming. Pluto Gigas can perform Mine Search, Identification, and Disposal without sustaining damage all, in accordance with STANAG 1364MW.

In addition to worldwide Navy applications, the Pluto Gigas can be employed in underwater exploration to locate and retrieve rare artifacts. It can also be equipped with unique payloads and sensors for specialized missions.

TBE provides system integration testing and demonstrations in its one-of-kind underwater testing and certification facility located in Huntsville, Alabama.
Shallow Water Combat Submersible (SWCS)

Airborne Mine Neutralization Systems (AMNS)

AN/AQS-20A Mine-Hunting Sonar System

Littoral Battlespace Sensing– Glider (LBS-G)