

10 applications for the Blue ROV2 by MDC

- Aquaculture infrastructure Inspection

Many of our customers are using the small, portable Blue ROV2 by MDC to look for breaches in cages and nets used in aquaculture. Quick and easy inspection of moorings, lift-up systems and mortality collections are made possible using a small ROV, especially with onboard batteries so one operator can carry the ROV case to the launch site, and do the inspection in less than 30 seconds

- Water Tank Inspection

Because the Blue ROV2 by MDC is super portable, and has no additional screens, boxes or power required; any ROV pilot with a little practice can perform an inspection of a water tank in no time at all. The mini ROVs are placed in the tank, and the pilot can perform a complete inspection, often with only one trip around the tank. Because of the vectored architecture and 180 degree camera, tank walls are often inspected from top to bottom in a single pass, with anomalies being investigated more closely.

- Hull Inspection

As ships travel through open water, ports, channels, and obstacles - scrapes, bangs, and collisions happen. The Blue ROV2 by MD makes it easy to investigate any suspected damage, or perform preventative monitoring. The Blue ROV2 by MDC has also been used to look for contraband on the side of ships entering foreign ports!

- Salvage Diving

Ships, Airplanes, Snowmobiles, Autos and more seem to find their way into lakes, rivers and oceans. There are brave men and women tasked with finding ways to recover these lost things, and bring them to the surface. Rarely are these jobs easy, and in complex or deep environments, the Blue ROV2 by MDC is used to survey the situation below the waves, and establish a strong plan of action before splashing a diver and expensive equipment.

- Search and Rescue

Some of our bravest neighbours are tasked with the emotionally and physically difficult jobs of finding and retrieving lost souls and evidence. When accidents and incidents happen, the Blue ROV2 by MDC can help our first responders locate and retrieve people and objects from waterways.

- **Oil and Gas Inspection**

With our ever-increasing need for energy combined with the desire to ensure the safety of our people and environment, routine inspections of the infrastructure used in the drilling and movement of petrochemicals is imperative. Even when ocean conditions demand a large ROV for inspections, often mini ROVs like the Blue ROV2 by MDC are used to monitor issues and condition of the large ROVs without the hassle of bringing them to the deck by crane.

- **Internal Pipe Inspection**

Water management is big business, and breaches in culverts, drainage pipes, or flow management systems can lead to massive devastation to homes, property and even lives. Systematic inspection of water management pipelines from the inside is done by flying the Blue ROV2 by MDC up the pipelines, looking left and right, plus straight up and down using the 180 degree camera to find potential issues and repair them before they become major problems.

- **Environmental research and monitoring**

Soil sampling, water sampling, population monitoring, water quality assessment, invasive species monitoring... the list of tasks undertaken by Environmental Agencies and researchers is long! Most of these tasks are undertaken easily and affordably using the Blue ROV2 by MDC, allowing researchers to spend less time collecting data, and more time solving and mitigating critical issues in keeping our waters clean and safe.

- **Mine countermeasures**

In our world of increasing uncertainty and unrest, submerged threats to our safety and security are a harsh reality. Using the Blue ROV2 by MDC for surveillance, detection, classification, identification, and prosecution of mines and other explosive devices allows for a greater level of undersea coverage while minimizing human risk.

- **Treasure Hunting and Underwater Archaeology**

The sea and lake beds around the world are a veritable treasure trove of lost cities, sunken ships, and clues about our existence before written history. The Blue ROV2 by MDC can fly into the tiniest of places to discover what lies beneath. Whether investigating ancient shipwrecks or taking soil samples that can identify targets buried in the bottom, the Blue ROV2 by MDC is the easiest, and most fun way to explore the depths.