

Underwater Remotely Operated Vehicles

Robots for the Nuclear Power Industry

**CURTISS -
WRIGHT**

Nuclear Power Products and Services



About our Teaming Partner

Curtiss-Wright has partnered with Deep Trekker to provide high-quality, robust, and portable underwater Remotely Operated Vehicles (ROVs) to customers that require specialized platforms for remote data collection, inspections, access to hazardous areas or precision manipulations.

Submersibles allow human operators to perform underwater tasks in challenging conditions without compromising safety. When equipped with high resolution cameras and lights, ROVs can easily maneuver around confined spaces and in radiation areas without the stay time constraints that apply to human workers. Critical structures can be examined safely during inspection, and, with manipulator add-ons, maintenance tasks can be performed with efficiency.

Deep Trekker has direct experience in the energy market, including hydroelectric, offshore wind, and nuclear, and has been successfully deployed in defense applications.

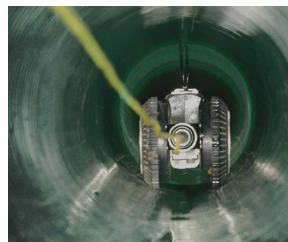
Curtiss-Wright can provide the following remote underwater support:

- Visual inspections and situational awareness
- Underwater inspections
- Diver health monitoring
- Tank inspections
- Intake structure, wet well, and pond inspections/cleaning
- Maintenance activity monitoring

Curtiss-Wright also provides mission consulting and development, pre-deployment preparation, deployment, engineering analysis, software, data management and retention, and NDE inspections.

Benefits

- *Avoided costs*
- *Time savings*
- *Dose savings*
- *Improved safety*
- *Work in low/no visibility environments*



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Deep Trekker Robots

Deep Trekker offers a suite of ROVs for the nuclear power industry, all controllable from a weatherproof handheld interface.

PHOTON ROV

At 11.6kg (25.6lbs), Photon is a lightweight micro-ROV built for quick deployment and underwater inspections.

- 120m (400ft) Depth Rating
- 6 Thrusters with Independent Control
- Flexible Power Options
- Extremely Compact

PIVOT ROV

Equipped with six strong thrusters, the PIVOT provides users with stability, power, speed and control in a portable package.

- 305m (1000ft) Depth Rating
- 4K Rotating Camera Head
- Comprehensive Sensor Integrations
- Modular for 3rd Party Add-On

REVOLUTION ROV

Mission-ready with greater payload capacity and advanced stabilization, REVOLUTION is built tough to survive harsh underwater conditions.

- 305m (1000ft) Depth Rating
- 4K Camera
- Comprehensive Sensor Integrations

PIPE TREKKER

Pipe Trekker by Deep Trekker is built for municipal pipe inspections as small as 6" in diameter. These pipe crawlers are fully submersible and battery operated.

- 50m (164ft) Depth Rating
- Centers in 6" to 36" pipes
- 1080 Full HD Pan/Tilt Camera
- 200m (656ft) Tether
- No Topside Power or Boxes Required

VAC UTILITY CRAWLER

This utility crawler is a fully submersible, battery operated, versatile magnetic or rubber wheeled utility robot.

- 50m (164ft) Depth Rating
- 1080 Full HD, Upgradable to 4K Camera
- Portable and Extremely Durable
- Payloads Available like Thickness Gauge, Pressure Washer, Advanced Sonar, and Portable Vacuum Heads



PIVOT ROV



REVOLUTION ROV



VAC UTILITY CRAWLER

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