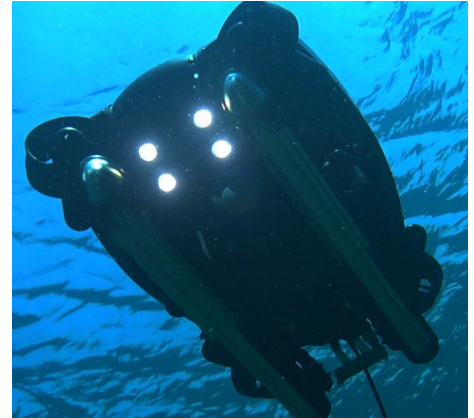


Mobile Unmanned Systems (MUS)

Robots for Nuclear Power Plants

**CURTISS -
WRIGHT**

Nuclear Products and Services



Curtiss-Wright Nuclear Division offers a comprehensive range of products and services that support the global nuclear power industry. Our advanced technologies and innovative solutions have been used in operating reactors for over 55 years, sustaining the safe and reliable operation of nuclear plants throughout the world.

Unmanned Aerial Systems (UAS)

Safe and modern remote inspections and measurements for external and internal environments, including:

- Site visualization and surveying
- Aged management program inspections
- Close-up visual and thermal imaging
- Detailed internal and external inspections
- Highly accurate 3D modeling
- Security and situational awareness
- Radiation monitoring

Unmanned Ground Vehicles (UGV)

Robots with the ability to perform remote monitoring, measurements, and inspection:

- Visual inspections and situational awareness
- Dose measurement/contamination sampling
- At-power or initial entry
- RP/Security rounds
- Dismantling, cleaning, and moving obstacles
- 3D scanning (LiDAR)
- Nondestructive testing
- Radiation monitoring

Submersibles

Intuitive and stable remotely operated vehicles for a range of underwater tasks, including:

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

Benefits

- Reduce operational costs
- Reduce risk to personnel
- Reduce radiation exposure
- Allow for work around the clock
- Operate in conditions with less visibility
- Reduce personnel required to perform mundane rounds and inspections
- Reduce or replace divers for underwater tasks
- Reduce or eliminate use of scaffolding, lifts, cranes, man baskets, rappelling, etc. for hard-to-reach areas

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