charles river analytics
MARINE SYSTEMS

TESTING SERVICES

Our Marine Systems Test Facility is located on Block Island Sound in Wakefield, Rhode Island. It provides year-round access to littoral testing waters in the Point Judith Harbor of Refuge, Narragansett Bay, Block Island Sound, and beyond. Testing services include assembly, transport, deployment, operation, evaluation, and maintenance of marine systems, including:

- **Unmanned underwater vehicles (3 to 30 feet)**
- **Underwater and ruggedized sensors**
- **Underwater moored systems**
- **Surface platforms and vessels**
- **Custom and complex underwater devices**

On-water testing is supported by our onsite engineers, who are experienced designers and developers of marine systems. Testing is conducted with special-purpose research vessels. All vessels are captained by licensed mariners. The testing facility includes a design office for engineering services and a 4,000-square-foot high-bay warehouse for fabrication, assembly, and secure storage. The facility is on the grounds of Point View Marina, which provides dockage for vessels up to 100 feet in length and hauling for vessels up to 70 tons, with 24 feet of beam.
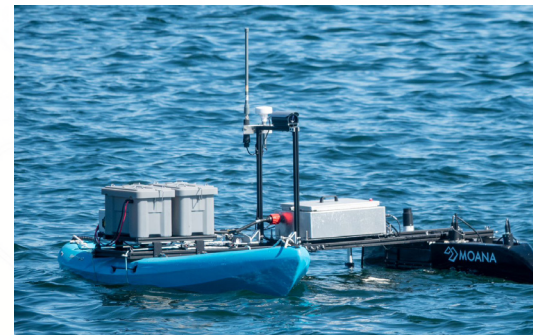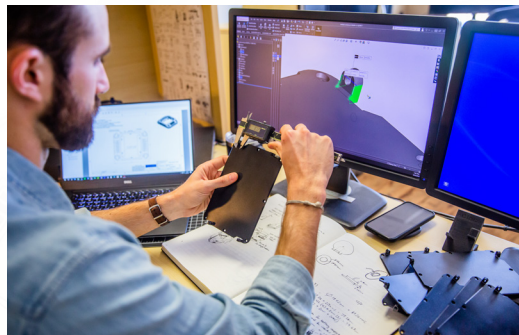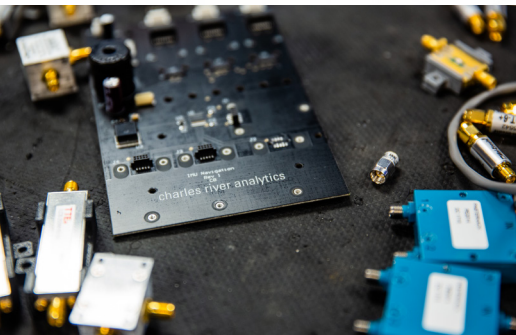

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ENGINEERING SERVICES

Charles River's Physical Systems Group includes system, software, electrical, mechanical, and ocean engineers who focus on research and development of hardware prototypes for intelligent systems. The team specializes in designing systems for marine, naval, and maritime applications. We are experienced developers of hardware systems that include:

- **Unmanned underwater vehicle (UUV) communication, navigation, and control systems**

- **Ruggedized and waterproof electronic systems**

- **Depth-rated and pressure-tolerant housings**

- **Underwater vehicle electrical and mechanical systems**

- **UUV launch and recovery vessels and devices**

- **Sensor and scientific testing rigs**

In addition to a full engineering staff, we have in-house technicians and tooling to fabricate, wire, build, and integrate prototypes for rapid development and testing cycles.

Our goal: To be the most qualified and flexible team developing hardware prototypes for your intelligent systems.

FOR INFORMATION AND RATES, PLEASE CONTACT:

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