GaiaXus

Water quality monitors for citizen scientists, students, and educators

Opportunity

We are building a new class of water quality sensors for citizen scientists, students, and educators. Our system is affordable, internet-connected, accurate, and easy to use.

Advantage

We reimagined what a modern water quality sensor could look like. No cables, no cryptic interface, and no buttons. Just a sensor probe and an app.

Users can carry the device in their pack and dip them into the river or lake to get accurate readings of water temperature, turbidity, depth, salinity, and optical clarity.
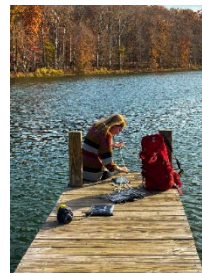
The sensor probe is light, robust, easy to clean, and rechargeable. It can be used from a kayak or paddleboard, it simply goes where the user wants to enjoy nature.

Technology

The sensors are aligned along internal the water channel. Safe, and

protected from falls, stones, and sand, they are designed for use in high school environmental education. The sensor probe is waterproof to 10 meters and can stay submerged and recording for several days.

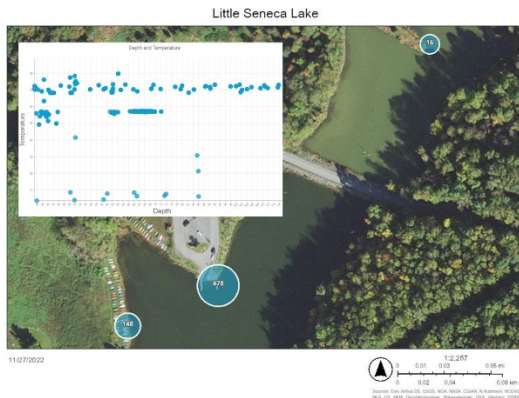The probe is designed to be operated with one hand to increase the safety of the user. The system has proven itself itself in 3 IRB-based studies and as valuable teaching tool in STEM education

Connectivity
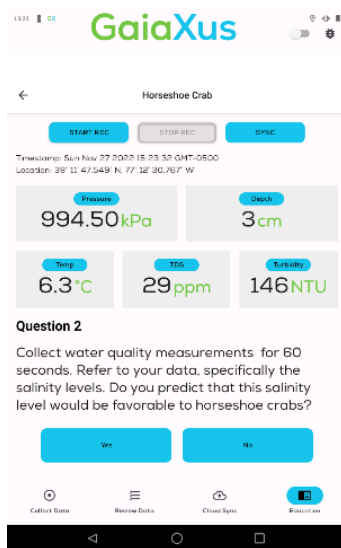
The sensor probe connects to the GaiaXus mobile app using Bluetooth radio as soon as the probe is recovered from the water. The app automatically adds the GPS position of the user and sends the data to the secure GaiaXus Cloud.

Partners and industry-leading services like ESRI's Arc GIS connect to our cloud and allow state-of-art data display and analysis.
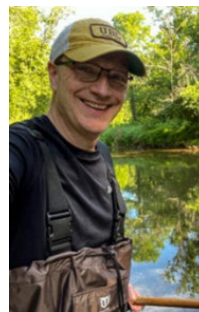

Little Seneca Lake

Education

GaiaXus is an Education Technology company; from the simplicity and robustness of our sensors to the integrated curriculum app that guides students through their personal path of discovery.

Our mission is to bring high-accuracy, low-cost environmental sensors to our partners in schools, universities, and volunteer organizations.

About GaiaXus

GaiaXus is a start-up company in Maryland, funded by the US Department of Education (SBIR Phase I & II) and supported by the Maryland Tech Council, Bethesda Green, and the Maryland Department of Commerce.
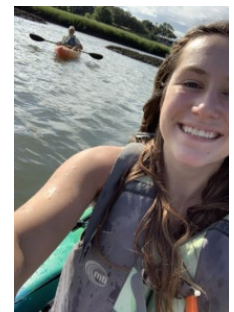
The company is seeking partners to further develop, test, and commercialize the system.

Dietrich Ruehlmann, CEO

Lee Brindel CTO

Abigail Reeves. Education Outreach Manager

Contact us!

Want to try it out?

We are looking for pilot sites for our next-generation systems and would love to work with you.

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