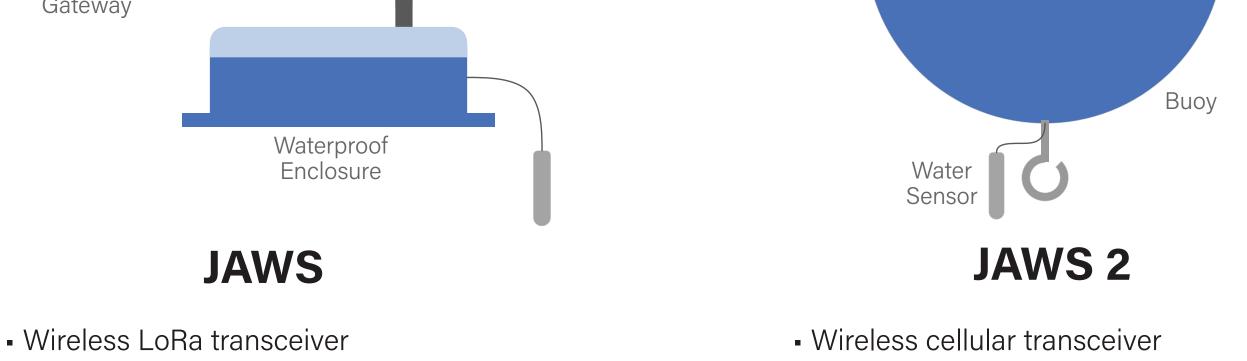
JAWS A sensor for detecting Algal Blooms

Who are we?	We are team water quality and our focus is on public safety. Team members: Jacob Huebner, Jeremy Rashkow, Helena Janinah, Corey McNamara, Jessica Soto, and Zahir Vayani.
What is JAWS?	JAWS is short for "Just Another Water Sensor". It is a wireless water sensor that detects harmful algal blooms in lakes and rivers.
Long-Range Antenna	Cellular Antenna Solar Panel



• Long-range up to 10 miles

Wall mountable

Low-power for long deployments

1 Gateway supports 200 sensors

- Long-range works anywhere with LTE
- Solar powered
- Buoy
- All-in-one device

Who is our user?	Our current user is the Chicago Park District. We have been working with the Chicago Park District to design a product that fits their needs. In the future, we intend to expand our audience to include other environmental agencies like the EPA.
What is the need?	Currently, there are no buoys on the market that detect algal blooms. Water testing is insufficient to effectively monitor water quality for algal blooms.
Why is this problem worth solving?	Algal blooms can harm or kill marine life, animals, and even people. The solutions used today are only intended to fix the problem after it occurs. Our proactive solution aims to detect the problem before it's too late. This saves money, protects the environment, and may even save lives.

