

Mark Kozlowski Urges Smarter Ocean Solutions in the Face of Climate Change

Marine technologist calls for better data tools, community-driven science, and long-term thinking to protect global coastal ecosystems

Halifax, Nova Scotia Jun 6, 2025 ([IssueWire.com](https://www.issuewire.com)) - [Mark Andrew Kozlowski](#), founder and CEO of Blue Horizon Technologies, is calling for a global shift in how we monitor and manage ocean resources. As climate change and overuse threaten coastal communities, Kozlowski is urging individuals, governments, and technologists to rethink the role of data, AI, and community in ocean conservation.

“We don’t just need more data,” says Kozlowski. “We need better tools to turn it into action.”

Growing up in the maritime town of Lunenburg, Nova Scotia, Kozlowski spent his childhood exploring tide pools and building DIY underwater robots. Today, he leads an international company using AI-powered tools to track marine biodiversity, manage sustainable fisheries, and monitor shoreline change in real time.

- Global fish stocks are overexploited at more than 34%, according to the UN Food and Agriculture Organization.
- Sea levels have risen by over 8 inches since 1900, with increasing coastal erosion affecting low-lying communities.
- The Blue Economy—worth \$1.5 trillion globally—is under pressure as marine ecosystems degrade due to pollution, warming, and unsustainable development.

“We’re building systems that ignore the ocean’s limits,” Kozlowski explains. “We can’t afford to keep doing that.”

Founded in 2017, Blue Horizon Technologies creates software and sensor-based platforms that help communities make smarter, faster decisions based on real-time ocean conditions. Its tools are already in use across five continents, including coastal projects in Canada, Kenya, and Norway.

One example Kozlowski shares involves a small Kenyan fishing town:

“Our platform helped them adjust their fishing schedules based on current migration data. The result? A 20% increase in efficiency and less pressure on fish populations. It wasn’t flashy—it just worked.”

Kozlowski stresses that innovation alone is not enough.

“Just because we can build something doesn’t mean we should. Every system we create has to serve the ecosystem and the people who depend on it.”

He also emphasizes local leadership and education. Through his Kozlowski Foundation for Ocean Literacy, he funds school programs and coastal restoration efforts aimed at empowering the next generation.

Mark Kozlowski isn’t asking everyone to become engineers—but he believes that everyone can play a role.

“Start by learning what’s happening in your local waters. Volunteer. Ask better questions. The most important thing is to stay close to the people and places you care about.”

Simple ways to help:

- Support or volunteer with local shoreline cleanup efforts.
- Choose sustainably sourced seafood and learn where it comes from.
- Use data-driven tools, like real-time tide or erosion trackers, when living or working near the coast.
- Encourage schools and youth programs to include marine science and climate literacy.

Kozlowski’s approach may not be loud, but it’s gaining attention for its results.

“I’m not here to ‘save the ocean,’” he says. “I just want to make sure it has a voice in the systems we build.”

As more industries turn to the ocean for food, energy, and infrastructure, Kozlowski’s call for practical, people-centered technology is one that resonates.

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Source : Mark Andrew Kozlowski

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