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Intelligence

Cognizant and Tidal partner on ocean information platform for aquaculture

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By Responsible Seafood Advocate

Digital technology solutions may help lower carbon footprint of aquaculture operations while improving business outcomes

Cognizant, an international information technology services and consulting company, has teamed up with Tidal, a project inside X, Alphabet's Moonshot Factory, to make Tidal's ocean information platform widely available to the aquaculture market.

Tidal has developed a digital technology solution that utilizes underwater perception, machine learning, artificial intelligence and automation innovations to gather and analyze data. Cognizant will collaborate with Tidal to make these technologies widely available to the aquaculture industry to "help them make more intelligent decisions, build more resiliency into their operations and run more efficiently in a strict regulatory environment."

Until now, Tidal's platform has been available to select pilot partners only, offering data-driven insights designed to improve the sustainability and efficiency of their operations. Cognizant will use its software and systems integration expertise to bring the Tidal platform to the broader aquaculture market.

For the past five years of development, Tidal has worked with aquaculture companies on a system



Cognizant and Tidal partner on ocean information platform for aquaculture Photo credit: Unsplash/Cognizant

designed to interpret complex ocean environments. The current platform has been built and validated using Tidal's AI, which has been trained on 8 billion underwater observations of fish behavior across 900 terabytes of operational video.



(<http://www.expalsa.com/>).

Through its longstanding relationships with global enterprises that make up the blue economy, Cognizant can help companies integrate Tidal's technology into their enterprise systems, linking data from across their business to gather insights and make decisions that improve efficiency throughout the entire value chain.

“With digital technology ocean industries can not only become more resilient and future-proof in the face of a more unpredictable and rapidly changing environment, but they can help make oceans healthier and address humanity’s biggest problems – from food production to renewable energy to climate change,” said Stig Martin Fiskå, Global Head of Cognizant® Ocean.

“To preserve ocean health, we need to take an innovation-driven and collaborative approach with aquaculture companies and other businesses that make their living on and in the ocean,” said Tidal Founder and CEO, Neil Davé. “Through our collaboration with Cognizant, we hope to build on our initial success in the Norwegian aquaculture industry, and eventually expand to other sectors of the Blue Economy to make a meaningful impact in ocean health and global decarbonization.”

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