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Umitronâ??s Satellite monitoring system gives Japanese aquaculture a digital boost

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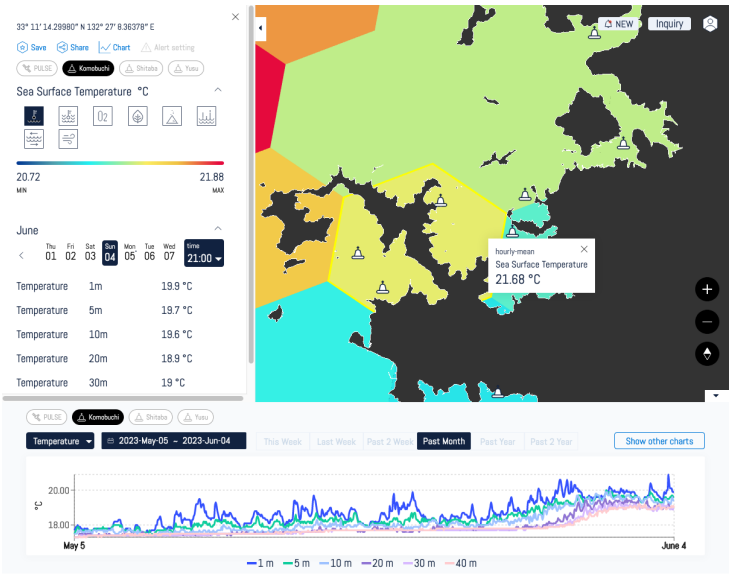

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Japanâ??s Ehime Prefecture has selected UMITRON for a project to integrate its buoys into PULSE, a cutting-edge satellite monitoring tool that caters to production-centric environmental parameters. This integration is a part of the FY2022 Ehime Prefecture Digital Implementation Acceleration Project.

This collaboration between Ehime Prefecture and UMITRON marks an important milestone to â??Try Angle Ehimeâ? in facilitating the digital transformation of the aquaculture industry.

As one of the prominent primary fisheries production regions in Japan, the Ehime government has implemented several buoys in the surrounding areas to monitor the conditions and provide farmers with critical data. However, disseminating this information to farmers was a significant challenge. To address this issue, Ehime Prefecture sought the expertise of UMITRON, the creator of PULSE.

PULSE is an advanced satellite monitoring tool aggregating data from over 30 satellites and open-source data for crucial ocean parameters, such as dissolved oxygen, chlorophyll A, salinity, wave height, and water temperature. It enables users to view historical data of up to two years and forecast data of up to 48 hours for their site.

UMITRON engineers integrated the buoys into the PULSE platform, allowing farmers in Ehime to access comprehensive data from multiple sources, including local buoys, entirely free of charge. This comprehensive data insight empowers farmers to make better-informed decisions about feeding, treatment, and asset protection in the event of inclement weather. Ultimately, it will enable them to achieve more with less.

â??UMITRON PULSE now can integrate various ocean environment data and provides one-stop access to ocean environmental data, which typically are stored and hosted at multiple websites and less accessible for farmers for daily uses. We plan to add more local data by collaborating with local governments and public research institutesâ? said Ken Fujiwara, UMITRONâ??s co-founder and CEO.