

Transforming Maritime Data Workflows Through Cloud-Based Ocean Data

IIC Technologies, a global leader in providing geospatial solutions and services, has long been at the forefront of innovation in the maritime industry. With a commitment to advancing technology and improving efficiency, IIC Technologies embarked on a journey to revolutionize ocean data transfer processes using Absolute Ocean.

Problem

Time consuming data transfer

Traditionally, the process of transferring ocean data collected from their survey vessels to their global processing centers was time-consuming. IIC did this either using hard drives, which would take weeks, or FTP transfer, which could be more time effective, depending on number of users and bandwidth.

Solution

AO to accelerate data transfer for rapid processing, a game-changer

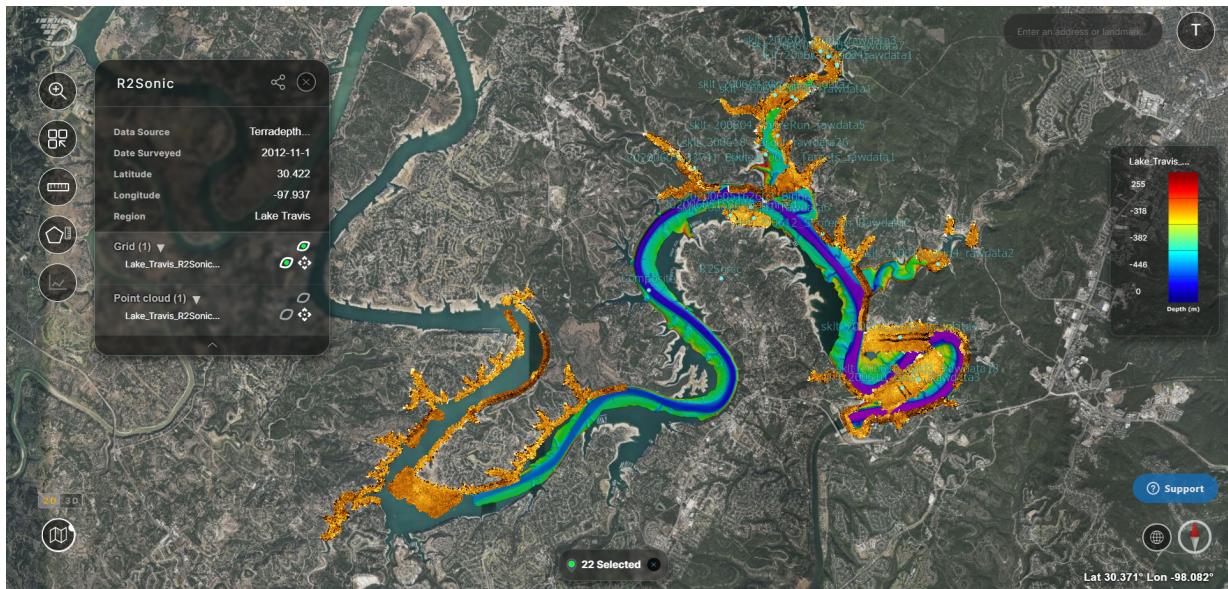
Absolute Ocean has yielded remarkable results for IIC Technologies, significantly improving timelines to deliver final products to clients. AO's high performance applications and APIs hosted in Google Cloud deliver a four-fold increase in network throughput when compared to legacy FTP solutions.

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Absolute Ocean marks a transformative leap in the maritime industry and is another example of IIC Technologies' commitment to innovation. Our collaboration with Terradepth has not only drastically cut data transfer times internally, but also exemplifies our shared vision for a more connected and efficient maritime future that provides real-time access to ocean data.”

Ruairidh Mackenzie, Hydrographic Survey Manager, IIC Technologies





Result

Four times faster data transfer rates

The implementation of Absolute Ocean reduced delivery timelines for IIC Technologies by significantly accelerating data transfer. By connecting AO's upload and download tools directly to its secure, high-performance Google Cloud infrastructure via an application programming interface (API), IIC achieved a four-fold increase in network throughput.

This improvement shortened delivery cycles and increased staffing flexibility across survey operations. Vessels can now transmit critical data to remote processing centers quickly, enabling timely analysis and decision-making regardless of where data specialists are located.



“I’m extremely proud of the Terradepth team’s advancements in the ocean data ecosystem and humbled that IIC has chosen Absolute Ocean as a data management solution. Absolute Ocean’s rapid data transfer capabilities are a testament to our dedication to advancing technology in the maritime sector, ensuring that valuable insights are delivered promptly, transforming the way we make better and faster decisions regarding oceans.”

Joe Wolfel, CEO, Terradepth