

# TrueOcean Introduces a New Paradigm with Smart Geospatial Search for Hydrographic, Geotechnical, and Sensor Data in the Cloud

Kiel, 25 July 2023. A groundbreaking update for the TrueOcean Marine Data Platform (MDP) designed by north.io to address the challenge of searching for hydrographic survey and underwater inspection data by location has gone live today. The new geospatial search function enables data on the platform to be located and accessed in seconds using a map-based interface.

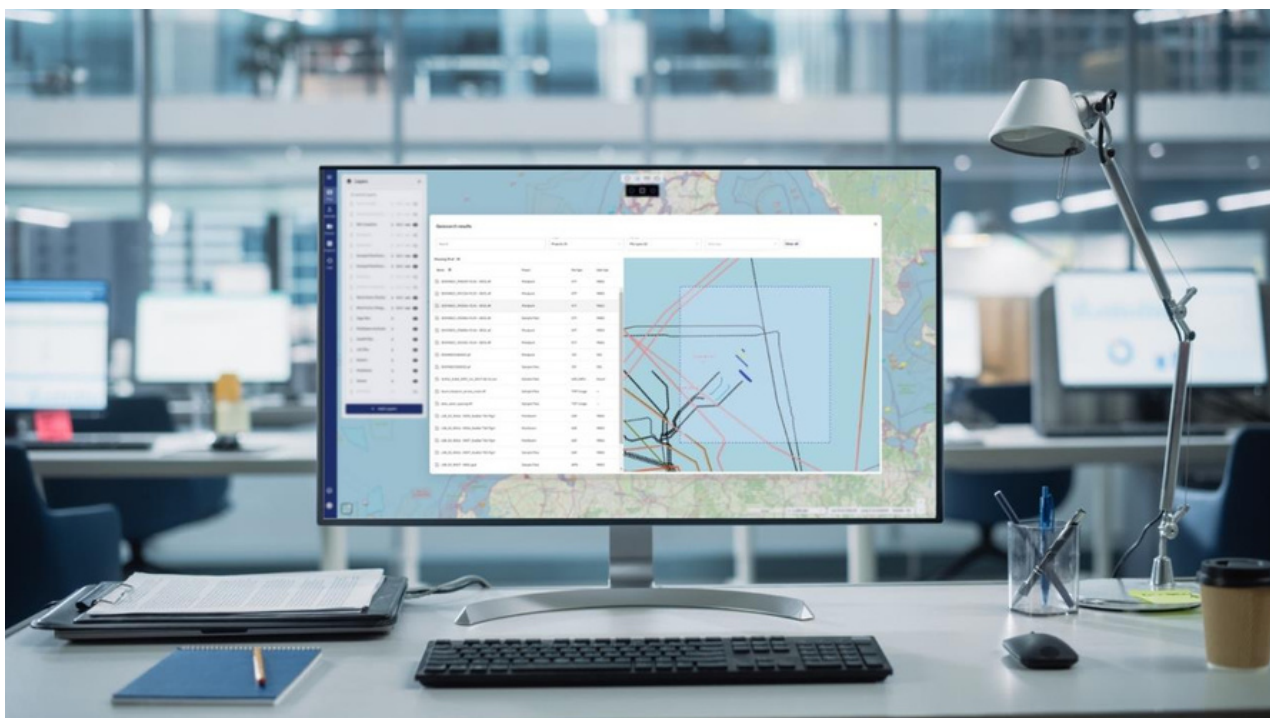


Image Caption: The geospatial search function shows multiple types of data e.g. multibeam, side scan, seismic, magnetic, raster and vector data in the TrueOcean MDP

With the acquisition of data from sensors including multibeam, echosounders, side scan sonar, magnetometers and sub-bottom profilers, a large number of individual files are created in diverse formats, which can quickly become difficult to manage and locate. Additionally, data volumes can be quite large, reaching several gigabytes, if not terabytes.

The new function simplifies searching for all hydroacoustic and geotechnical data as the operator needs only circle the corresponding area on the digital map to see a list of the available files. The platform automatically georeferences data and extracts metadata during file upload, without any user intervention, and an intelligent search algorithm works in the background to exactly match results according to input on the map.

The new geospatial search function increases the efficiency of data management significantly. Users can search for survey data sets in seconds, instead of spending days or weeks sifting through cryptic filenames in deep folder hierarchies. The platform sorts the results by sensor type, file size, and acquisition date, making it easy to quickly locate the desired data.

“The geospatial search function is a game-changer for marine surveyors, their clients in offshore wind and the marine engineering contractors applying the data for underwater construction,” said Jann Wendt, Founder of north.io. “The management of large and complex data sets has been an often laborious and time-consuming task for years, but we are confident that our new search function will increase efficiency and unlock the full potential of data on our platform.”

The TrueOcean MDP offers a range of other features to help users take control of their survey data. Users can quickly review the data before further processing, and the platform makes it easy to manage data from multiple surveys at different locations.

The new geospatial search function is available now as part of the TrueOcean Marine Data Platform. For more information, visit [north.io/trueocean](https://north.io/trueocean).

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## About north.io

Since 2011 north.io, based in Kiel, Germany, has been the expert in the management of geospatial data on land and at sea. Through its Software-as-a-Service (SaaS) solutions, the winner of the Schleswig-Holstein Digitalisation Award 2021 makes geodata easily accessible, quickly findable, easily shareable, and clearly understandable. Today, a team of 70 highly specialised experts, is focused on developing cloud-native solutions specifically designed to unlock the full potential of geospatial data for the private and public sectors. With its software-as-a-service products TrueOcean and TrueEarth, north.io, creates a new dimension of shared geodata management, analysis and visualisation offshore and onshore.

TrueOcean is the leading marine data platform for convenient data management, smart and automated analysis, and scalable processing. Our mission is to empower Blue Economy stakeholders to conduct efficient and successful ocean projects at scale. The TrueOcean Marine Data Platform (MDP), transforms big data into actionable insights and is particularly well-suited for offshore wind projects, where the acquisition, management, and application of underwater data are essential at every stage of a wind farm's lifecycle. We are committed to digitalise the oceans and the world below the surface making them accessible in a sustainable way.

