



22th December 2019 - Press release

BRIZO IS BORN: THE FIRST UNDERWATER 3D TRACKER

Brizo is going to track the underwater path of the divers. In this way they would integrate and share them via the dedicated App. It will also help to log the sea health data.

Record underwater paths with a sort of GPS device like we can do onshore. Brizo is a newborn project of the Vicenza (Italy) based startup Oengineering S.R.L., developed side by side with Italian researchers and marine biologists and it aims to revolutionize the underwater activities world and to contribute to the marine environmental monitoring and conservation.

The marine environment is huge and, at the moment, scientists have the possibility to analyze only a tiny part of it. The amount of data related to the seabed, the caves and the marine organisms could be increased thanks to the contribution of scuba divers (that are estimated to be about 30 millions worldwide). Brizo is born to create a worldwide diving community, made of sport and professional divers to share sea maps and parameters thanks to the new small device and its dedicated app.

The strength of Brizo is that it is very easy to use and handle: you just have to wear it, turn it on and dive, the device logs all the data completely autonomously. Brizo is able to GPS geo-reference the starting point of the dive (and emersion), on the water surface or onshore, and it can record the 3D diving path underwater with a maximum depth of 120 m. Moreover, Brizo records attitude, direction, diving length, velocity and acceleration.

During the dive, simply pushing the Brizo button, it is possible to register the geographical coordinate of Points of Interest (POI), like for example natural and historical spots, organisms and interesting areas.

Data can be downloaded in a dedicated Data Cloud and they can be visible via the Brizo App, which can be downloaded on smartphones, tablets and PC. This app gives the possibility of visualizing and analyzing in details the 3D diving path, share it with contacts and add notes

and pictures/videos to the POIs.

Brizo can be worn with straps or elastic bands, it has 48 hours of battery life and is rechargeable via the dedicated cable and a standard USB connection.

Brizo is not only a positioning device but a multi-parametric probe, recording physical and chemical data that are useful to better understand the sea environment status. It has a specific wet area in direct contact with the seawater in order to log temperature, pressure and water electrical conductivity. These are fundamental parameters to study the ocean evolution in time and, thanks to Brizo they can be recorded by all the divers worldwide.

Brizo has been launched on the market via a crowdfunding campaign on Kickstarter started 18th December 2019.

Divers, technology addicted and nature/environment conservations lovers can contribute giving their support to the Brizo production during the 45 days of the campaign at the link: kck.st/38Plk3R.

Brizo will be present at CES2020 in Las Vegas, the most important consumable electronic exhibition worldwide (7-11 January 2020), because it has been selected by the organization as interesting innovative startup.

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