

Rovco Launches Live 3D Subsea Streaming Technology



Subsea technology company Rovco (Bristol, UK) has launched 'SubSLAM Live', a 3D streaming technology which allows users to video and live-stream 3D underwater point clouds to any device in the world. The stereo camera technology system sends images and 3D models of assets from the seabed to a computer browser in any location globally. This offers customers instantaneous access to information as an inspection or construction activity is taking place. The firm trialled the technology earlier in the year with an oil and gas Super Major, at a renewable wind farm, and more recently in 0.5m of visibility at an ex-naval dockyard owned by Offshore Renewable Energy Catapult.

Calibrated Stereo Camera

During the final trials, the technology was lowered into a sea-water filled dock which contains sample assets from the subsea industry. Engineers were using Rovco's state-of-the-art stereo camera system to capture high-definition video. This allowed them to use the SLAM (Simultaneous Localisation and Mapping) system to build highly accurate 3D point cloud models while staff back in their office 300 miles away directed the ROV while keeping track of the ROV location and operations via their phones and laptops. The calibrated stereo camera system model is automatically scaled.

<https://www.hydro-international.com/content/news/rovco-launches-live-3d-subsea-streaming-technology>
