Proteus Geo and AECOM to Test Bathymetry Service

Proteus Geo is working with global infrastructure services firm AECOM to test its new satellite-derived bathymetry service. The two companies recently completed a day of workshops, where AECOM experts looked at how the enhanced water depth data provided by the DHI analysis of DigitalGlobe satellite data could support the delivery of real-life projects. The workshops were designed to increase understanding of how the satellite-derived data would be used on real projects to further aid the development of the service.

Over the past four years, Proteus Geo has worked in partnership with consultant group DHI to provide customers with bathymetry data derived from DigitalGlobe satellites. Now the European Space Agency (ESA) has awarded Proteus Geo and DHI with substantial financial backing to improve the efficiency of the data processing chain and encourage the wider use of this source of vital information.

Test Data from Real World Applications

Realising that understanding customer needs will be crucial for the development of the new service, Proteus Geo has brought in AECOM to test the data across a range of potential applications. AECOM has a global network of experts who work closely with clients to monitor, manage and develop coastlines around the world. From the design of marinas and small craft harbours to tsunami hazard analysis and numerical modelling for hydrodynamics, waves, sediments and coastal processes, AECOM teams regularly use bathymetry data when delivering projects.

AECOM's regional director for Geospatial & Data Services, Kenny Monteath, said that knowledge of the depth of water is fundamental to the delivery of a great range of projects delivered along the world's coastlines. With extensive experience of working in these terrains, he sees AECOM as well placed to test the bathymetry data captured by satellites. The validation of the data on real world projects will help strengthen the final product and improve the understanding of how the service could support the work we deliver for AECOM's clients.