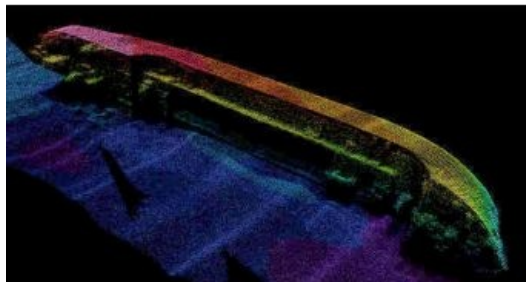


MBES and Laser Scanning Training Course



In January 2014, UK-based Swathe Services will be working with Hydrocharting to run a multibeam echosounder and MDL laser scanning training course with QINSy software. This training course offers hands-on training with high-spec hydrographic survey equipment and will be conducted by experienced trainers with 3 days of boat-based training and 2 days of post processing.

The 5-day course will be held in Southampton, UK, starting on Monday 27 January 2014 and finishing on Friday 31 January.

Training will be given by James Williams of Swathe Services and Jesper Højdal of Hydrocharting using SONIC 2020 and SONIC 2024 multi-beam echosounders alongside an MDL Dynascan laser scanning system, followed by data processing using QPS QINSy.

Jesper Højdal, managing director of [HydroCharting](#), is a professional hydrographer working at the forefront of the marine survey industry. His background covers 27 years in the Royal Danish Navy during which he commanded several hydrographic survey vessels; 5 years as the Chief Hydrographer at RESON A/S and now in addition to running his own hydrographic consultancy he is also the senior hydrographic support engineer at [R2SONIC](#). Jesper has conducted a variety of training courses, many of which have been tailor made to clients' requirements.

James Williams, managing director of Swathe Services, has over 14 years experience in the hydrographic sector covering a variety of applications including project management of dredging-related engineering and construction projects, port and harbour surveying, aggregate surveying, habitat mapping, offshore wind farm and cable/pipeline route surveying. He is experienced with single beam, multibeam and interferometric technology and has been guest lecturing on the BSc and MSc Hydrography courses at the University of Plymouth for over 8 years.

[MDL, part of Renishaw plc](#), UK, designs and manufactures rugged laser measurement systems for use in extreme environments. The Dynascan offers a solution in the mobile Lidar scanning market. Using the QINSy software, its above-water survey data can be combined with bathymetric survey data for a complete above and below waterline data set.