Energy for Remote Community

Swathe Services was recently commissioned by Falmouth Divers to assist on a 4km submarine power cable installation to a remote island community on behalf of one of their clients in Pembrokeshire, Wales, UK.

Working from the Grey Bear, a landing craft type vessel provided by Falmouth Divers, Swathe Services conducted a heave-compensated singlebeam echo sounder (SBES) survey of the proposed cable route. The SBES data was processed on site and a Digital Terrain Model (DTM) of the cable route was produced. On selection of a route, tidal flow measurements were taken to allow the cable lay vessel to plan the course and speed of the lay. During the cable lay Swathe Services provided full-course positioning support aboard the cable lay vessel MCS Ailsa and logged the as-laid cable position .

Swathe Services were able to provide a complete support service to Falmouth Divers with the utilisation of their extensive pool of survey equipment which included Odom MKII singlebeam echo sounder (SBES), Hemisphere vector DGPS sensor, a Valeport SVP profiler, and a TSS DMS-05 Motion Reference Unit (MRU). Vessel navigation and data acquisition were performed in QINSy v8 hydrographic software.

"On completion, an excellent as laid cable survey report was produced complete with a suite of drawings presented to a very high quality. We were very pleased with the professional & flexible attitude of the Swathe Services site personnel & equally with the consultation & advice provided early in the project that allowed Falmouth Divers Ltd to offer a full turn-key package to our Client." Rob Martin, Project Engineer, Falmouth Divers Ltd.