CAITHNESS - MORAY TRANSMISSION LINK

CABLE DEPTH OF BURIAL SURVEY

FIGURE 1: Caithness - Moray transmission link with replacement section circled in red.

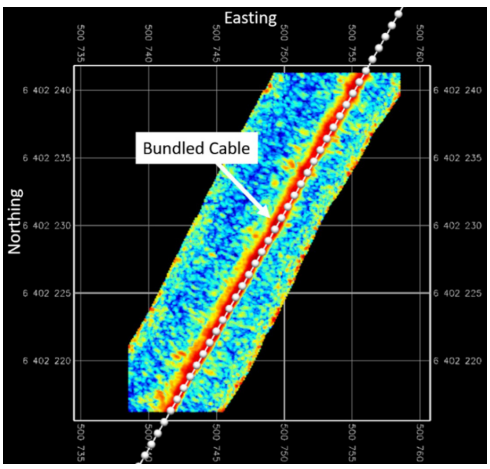

FIGURE 2: Plan view image of 1.2m below the seabed showing cable position.

PanGeo was contracted to perform a depth of burial survey and deliver a Top of Product on a 160km energized HVDC cable in the Moray Firth inlet. PanGeo's Sub-Bottom Imager™ (SBI) was the optimal technology for this survey as it can survey the newly buried cable while it remained energized. Additionally, the SBI eliminates data gaps due to burial requirements below 1.5m where an induced system loses signal. The SBI data is also able to be correlated in a newly buried cable to the trencher's depressor depths, to further validate the final depth of burial results.

The cable is a critical piece of Scotland's power infrastructure, so leaving the cable continuously energized was crucial to the cable owner and those who rely on the power. As seen in Figure 2, the SBI produces an acoustic image of a cable and is not limited by an induced tone, or a magnetized reading. The SBI reaches sub-seabed depths greater than 4m which eliminate data gaps at the deepest points of most cable burials.

A major advantage of the SBI in cable depth of burial surveys is our near real-time data processing and delivery that enable offshore re-routing decisions and allow operations to continue with minimal vessel down-time.

For more information on this case study contact us at sales@pangeosubsea.com

sales@pangeosubsea.com

www.pangeosubsea.com

PANGEO SUBSEA.

16 Mackey Place,
St. John's, NL, Canada A1G 1A1

Tel +1 709 739 8032

Suite A, Pavilion 7, Kingshill Park, Venture Drive,
Westhill, Aberdeen, AB32 6FL, United Kingdom

Tel +44 1224 766180