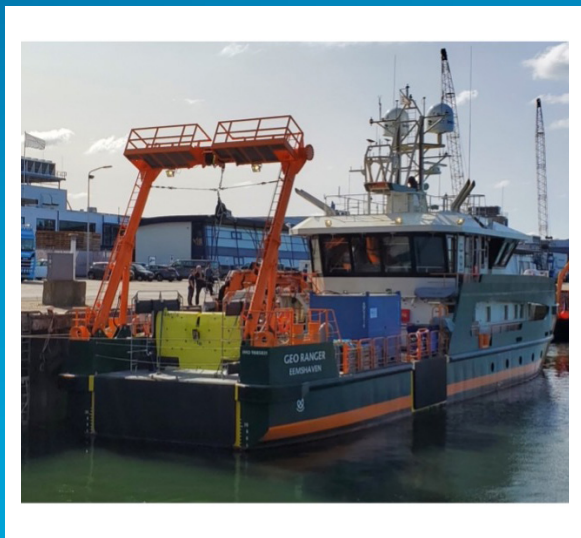
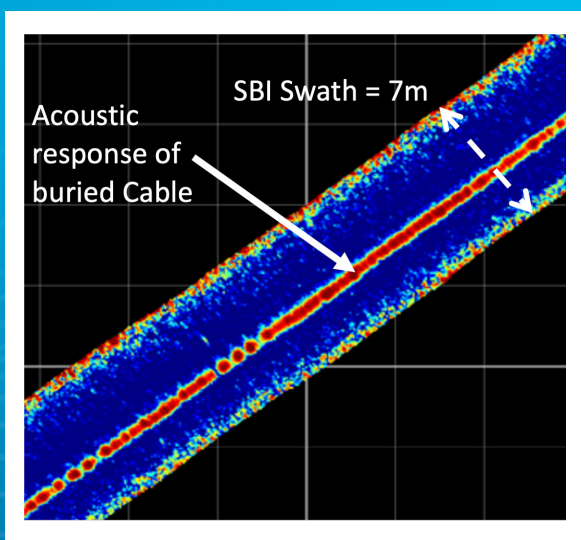


## HIGH SPEED SEAKITE CABLE DEPTH OF BURIAL SURVEY



**FIGURE 1:** The SeaKite on the new Geo Plus Geo Ranger vessel.



**FIGURE 2:** Plan view image of the sub-seabed showing cable position.

PanGeo Subsea announces the completion of a turnkey 204km depth of burial cable survey using our SeaKite Sub-Bottom Imager™ (SBI) Remotely Operated Towed Vehicle (ROTV) in only two days. The Client took advantage of this high-speed depth of burial platform and SeaKite detected 97% of the available cable. 99.7% of the cable was buried below 1.5m, and 54% was below 2 meters. The SeaKite also imaged an out-of-spec cable section that was likely due to coarse-grained sediments that tone-based systems would be incapable of detecting. The survey was completed while the cable was energized and without needing to open up the switchgear.

The SeaKite offers numerous benefits to conventional surveys. As it is acoustic, the SeaKite images non-ferrous and ferrous anomalies. It outperforms a traditional ROV survey by 6x by traveling at over 4kts. The SeaKite allows for a significant reduction in vessel size compared to a conventional ROV vessel.

PanGeo carried out the depth of burial survey on the new Geo Plus Geo Ranger vessel, a 41m fuel-efficient vessel that is well laid out for survey operations. The vessel is 25m smaller in length than a typical survey vessel, and the total survey crew (is under 12 personnel. Using smaller fuel-efficient vessels, we reduce the day rate by 30% and cut fuel spend by half from 6m<sup>3</sup> to 3m<sup>3</sup> per day. This fuel reduction accounts for an astounding savings of 402 kg of daily carbon emissions compared to a traditional survey vessel.

These new, towed approaches to cable depth of burial surveys significantly reduce your operational budget while substantially outperforming conventional survey methods.