

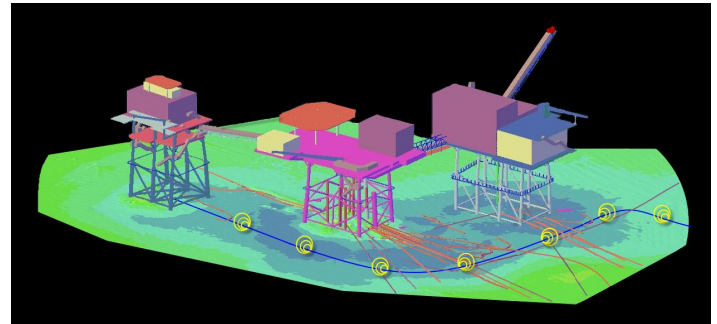
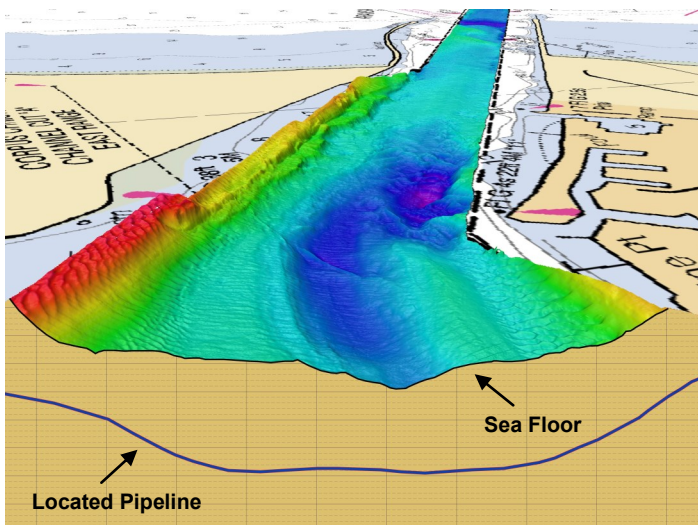
SUBSEA PIPELINE / CABLE DETECTION

Detect and Position Pipelines or Cables Either Buried or Submerged in Areas of High Density



TerraSond vessel Sea Señor conducting cable locate survey.

- Precisely locates seabed pipelines or cables to 70 feet buried depth or greater
- Works in proximity to other nearby assets or pipe/cable crossings
- Provides rapid real-time data reducing traditional survey costs
- Does not require expensive vessels (e.g. DP or dive support)
- Is low cost compared to use of ROVs
- Provides conclusive results



Positively identified pipelines and cables found in a pre-remediation survey.

Pipeline locate on combined marine and land survey.

Traditional magnetic pipeline tracking tools suffer interference and poor results when in proximity to platforms or other pipelines and cables. Existing methods also have a limited range and depth of cover performance. Diver probing for pipelines is slow, costly, increases HSE risk, and puts the pipeline or cable at risk of damage.

TerraSond's *Asset Detection Technology* uses a towed sensor that precisely locates and uniquely identifies the targeted pipeline or cable of interest.

Successfully proven in complex, high density areas with overlapping pipelines and cables to precisely position a targeted asset. We can discriminate specific pipelines or cables in close proximity to platforms or other assets, even in zero visibility conditions.

TerraSond provides information that was often unobtainable with other devices. Precise location contributes to better engineering and design, and safer, efficient construction projects near active pipelines and cables. This approach results in a significant reduction, or even elimination, of diver and vessel time.

The accurate location of assets is critical in regards to safety and financial impact to operators, contractors and property owners.