VALCAP® Security Management

Description

Acoustic monitoring of power cables to detect electrical faults and mechanical damage.

Application range

Submarine cables, land cables

Protection system for submarine assets

Damage to underwater cables due to shipping activity is a significant global problem. Repairs to damaged cables are very expensive and availability of suitable repair vessels is difficult to guarantee. The problem is likely to get worse as more cables are installed for offshore wind farms and marine turbines. The VALCAP Security Monitoring System is a software application that is using multiple functions such as acoustic monitoring, to safeguard against and warn as well as detect possible damages.

In case a cable may be at risk, the system automatically provides a warning to prevent possible damages.

Key functionalities	Customer benefits
Detection of failure types and location	Enhanced security for power cable integrity
Acoustic monitoring of the cable environment	Damage prevention and early warning
Vessel monitoring and identification	Fast recovery and significant total cost of ownership reduction
Continuous documentation	Protection of claims against 3rd parties in case of damaged cables