
UltramapGlobal Sectors

Power

UltramapGlobal is Dedicated to the Protection of The World's Most Important Subsea Cables.

For Subsea Power cable protection, UltramapGlobal brings together two of its flagship products:

- **AssetMonitor®**
- **24/7 Monitoring services**

UltramapGlobal's first customer was Channel Islands Electricity Grid ("CIEG") using our services on the interconnectors between the islands and mainland France. So we've applied our services to the rigorous requirements of monitoring offshore Power cables since CIEG joined us in 2010.

AssetMonitor® is the world's most used Specialist Subsea Cable Monitoring Software. Consequently AssetMonitor® knows more, and we apply that intelligence to making sure our customer's subsea cables are better protected than anybody else.

AssetMonitor® is a web-based tool that uses AIS data to monitor vessel traffic in the vicinity of subsea cables, raising alerts if vessels exhibit behaviour that is potentially damaging to the subsea cable.

UltramapGlobal Monitoring Services is our in-house monitoring teams, based at strategic locations around the world.

UltramapGlobal monitoring teams monitor alerts from AssetMonitor® in real time, taking agreed preventative action on your behalf. Our team responds to alerts 24 hours a day, 365 days each year.

UltramapGlobal Monitoring Services will create regular Activity Reports that chronicle every single event that the UltramapGlobal Monitoring Services team responded to, plus any subsequent responses from vessels and/or organisations.

Power Cable Protection. Project Specifics

The owners and managers of the interconnectors, export and array cables we work with can use AssetMonitor® on an ongoing basis, applying it to each cable location.

Regardless of how our customers subscribe to our services, we know that every Power cable protection customer is unique so we tailor our approach for each.

We will monitor the activity of all vessels around agreed protected areas, automatically raising alarms if vessel activity is a potential threat.

Explore how we can help you personally. Please call Jeff Taylor, Head of Business Development on +44(0)7796 888910, email jeff.taylor@ultramapglobal.com or visit UltramapGlobal.com.

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What We Actually Do

Here's what we do for all subsea cable customers.

- We set up protection zones around the cables, mapping them and then updating them if there are any changes in the area.
- Provide access to AssetMonitor® for the Customer's Control centre and management teams so they see what our monitoring teams see.
- Protection zone parameter definition. Zones may vary in quantity and width depending upon the proximity of the cables in the zone(s) and the type of vessel and geographical threats we expect to encounter.
- Protection zone rule definition. For example, what vessel behaviour generates high level alerts and what vessel behaviour do we want to ignore.
- Link into the best source of real-time AIS for the cable areas. One of, or a combination of:
 - UltramapGlobal's network of AIS receivers.
 - Existing networks of shore-based AIS receivers.
 - Existing constellations of AIS satellites.
 - AIS receivers on board Guard Vessels and Patrol Vessels.
 - AIS receivers that UltramapGlobal can provide, in most cases free of charge, to install on asset landing stations.
- Agree the communication rules our team are going to apply for each area. For example with our customer's team, any vessels with agreed protocols and encroaching vessels.
- On a 24/7/365 basis, physically police, compliance check and rule enforce in and around the subsea cable zones.
- Vessel traffic monitoring.
- Maintain zones, rules and communication protocols in response to situational changes for example:
 - Notices to Mariners.
 - Marine activity in the area (dredging, wind farm work etc.)
 - Feedback from Vessel Captains.
 - Missing navigational chart content etc.
- Incident support. In response to incident reports from our customers, we will retrieve data for the incident time and location and report on our findings.
- Provide training for our customers if required.
- Project reporting. To an agreed schedule, create and send a report on our monitoring work showing activity in cable zones in the time period, alerts generated and vessel interventions carried out by us.

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ULTRAMAP GLOBAL

AssetMonitor®

UltramapGlobal is the Home of AssetMonitor®, the World's Most Used Subsea Cable Monitoring Software.

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Benefits

- **Peace of mind** because you are using AssetMonitor®, the world's most used Specialist Subsea Cable Monitoring Software and a 24/7 team with experience of monitoring more cables than anyone else.
- **Cost saving.** Savings are possible with UltramapGlobal's support because of the reduction in cable hits and saving on the multi-million dollars spent on each repair.
- **Cost saving.** Reducing insurance premiums where our services are employed.
- **Cost Saving.** Reducing the need for any Guard Vessels.
- **Real Time Proactive 24/7 Service** tailored to customer and geographical requirements.
- **Health and Safety Compliance** Positive Impact/enhancement. For example situational awareness of a vessel dredging towards or over cables, a vessel making an emergency stop in close proximity of cables or a vessel going to anchor on cables. Full subsea cable overview managed from 1 point creating awareness for all parties involved. All done by remote interaction so no offshore presence needed.
- **Minimising Environmental Impact.** Fewer vessels patrolling on the area means lower fuel consumption and emissions.
- **Enhanced Reporting to agreed schedule.**
- **Historical data** is available for future planning.
- Real Time Situational Awareness of marine activity around the cables, showing vessel positions and types of vessels nearby.
- Caution and warning messages are sent to vessels' navigation systems if they break the agreed protection rules within the cable zone areas.
- We store all project data including vessel movements and alerts.
- We provide alert playback and vessel playback for a specific area.

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