



# OceanIQ

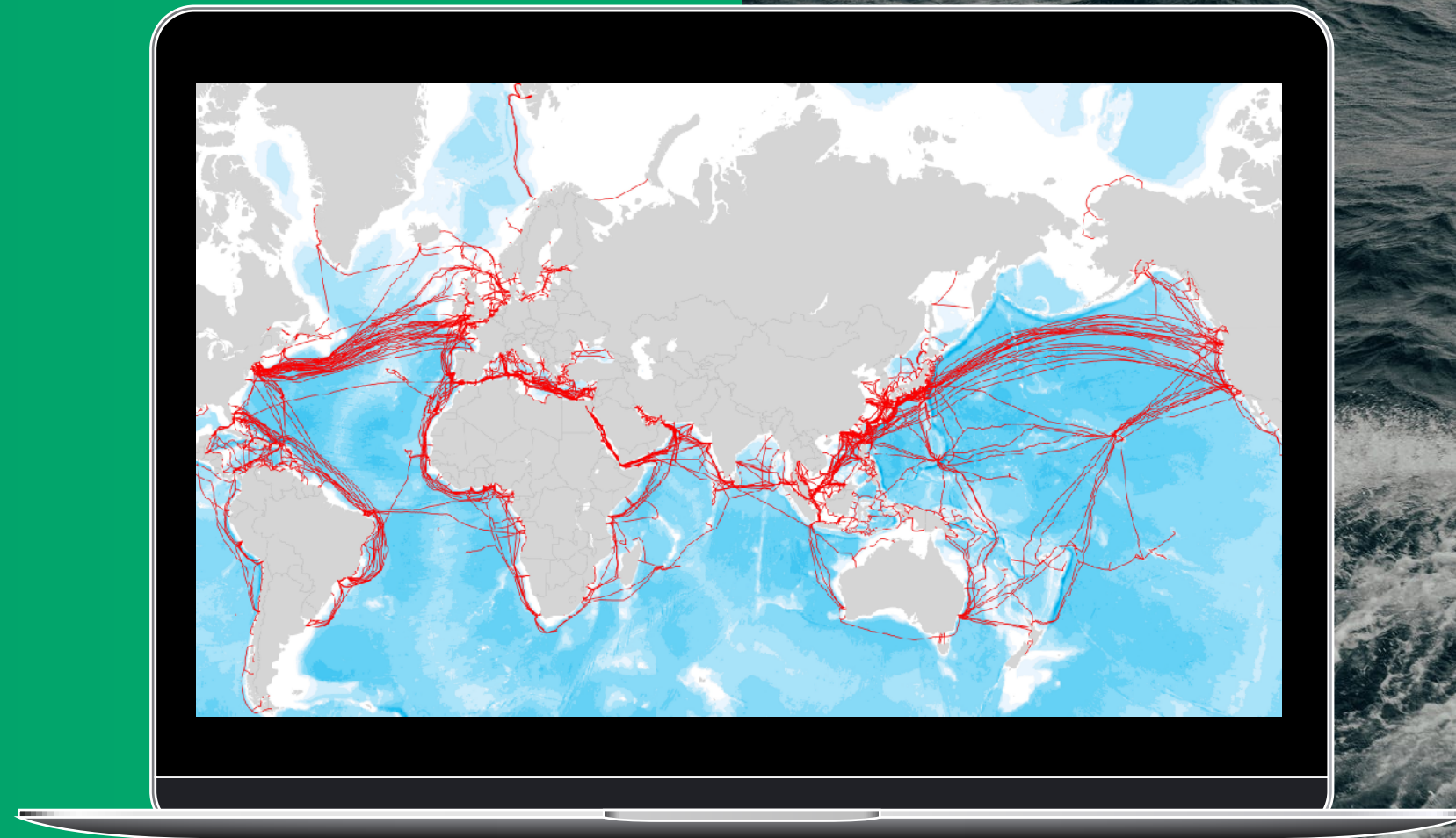
GLOBAL MARINE | GROUP

## GeoCable® GIS

A rich dataset for the submarine cable industry  
underpinned by a tailored GIS software solution

# A Robust Data Set Combined With Route Planning Software Functionality

OceanIQ's **GeoCable®** cable database is an industry-leading Geographical Information System (GIS) developed specifically to meet the needs of the subsea industry, enabling the management and analysis of project requirements





# Introducing GeoCable® GIS

## Combination of accurate data & intelligent software

GeoCable® GIS is a combination of an intelligent subsea cable route data set and route planning software functionality, unrivalled elsewhere within the industry. Available for both small and large subsea projects, GeoCable® GIS matches your bespoke requirements and can be utilised solely for data, software or both.

Our dedicated team continually update this comprehensive data set to provide accurate cable information, enabling route engineering and satisfying due diligence on the subsea landscape ahead of offshore projects.



World-leading  
GeoCable® software  
and data, comprising  
over 2.6 million  
kilometres of cable



Wealth of global  
experience and records  
management for over  
150,000km of in-service  
cable systems



Detailed knowledge  
of 97% of all fibre optic &  
90% of power cables  
laid worldwide



Customers in Telecoms,  
Renewables, Oil & Gas,  
Utilities and  
Governments

# GeoCable® GIS Software

## Access route planning functionality

GeoCable® GIS Software offers route planning functionality with RPL generation in a comprehensive software package for effectively managing and analysing project requirements.

## Gain full control over coordinates & distance

GeoCable® GIS Software provides you with full coordinate and distance measurement control, allowing you to plan routes effectively.

## Integrated electronic navigation charts

Produce customised maps and charts whilst having the option to integrate electronic navigation charts from the UK Hydrographic Office.

## Ability to integrate with other formats

Integrate GIS data from various sources such as ESRI Shape File, KML, KMZ and WMS/WFS servers.



# GeoCable® GIS Technical Specifications

## Available formats & updated data sets

All data within GeoCable® is updated four times a year, which allows customers to get the most up-to-date cable routing information.

GeoCable® GIS Data can be provided in:

✓ **GeoMedia.mdb**    ✓ **ESRI Shapefile**

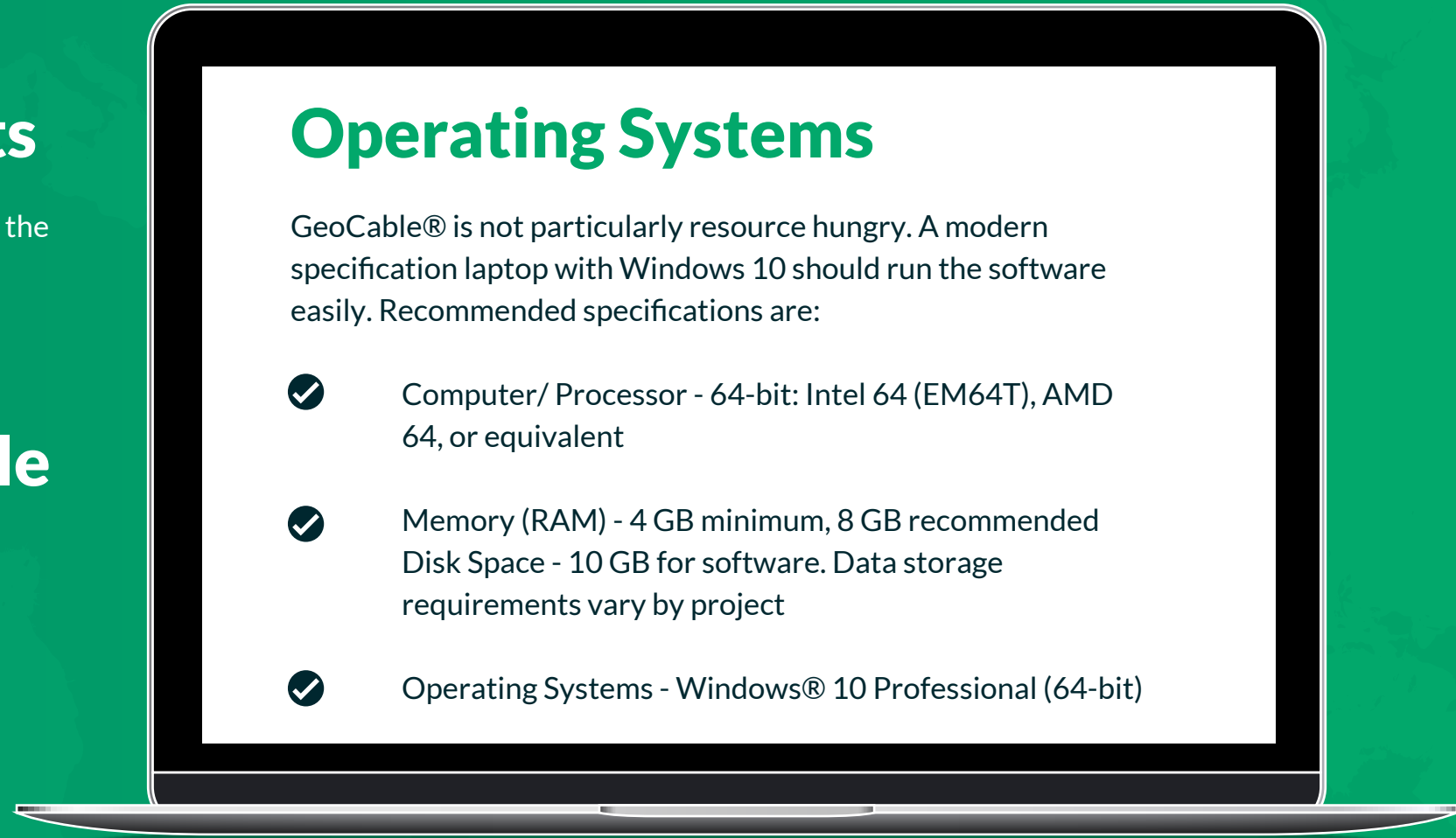
GeoCable® easily connects to Google Earth KML and KMZ files. Data can also be exported from the software to KML format.



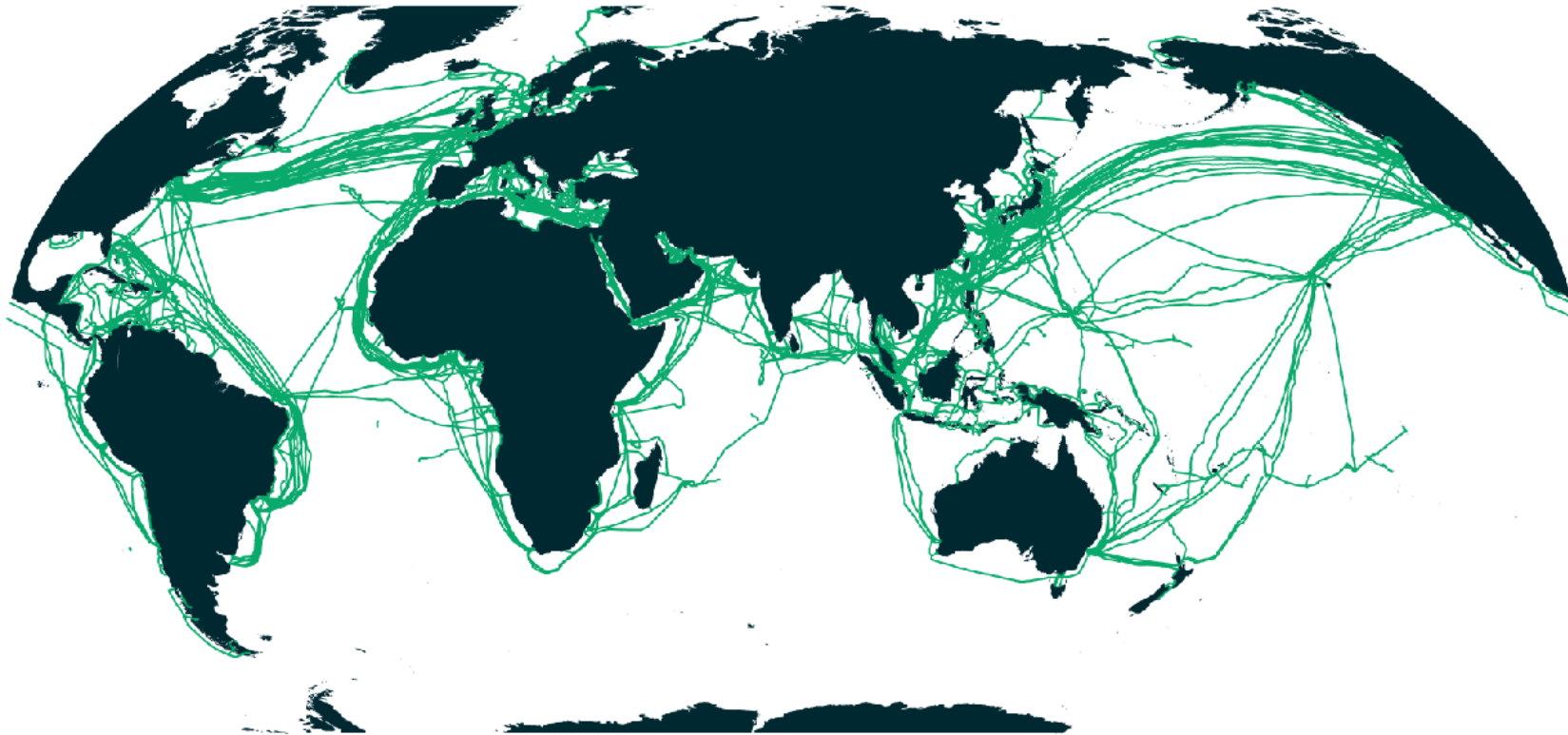
## Operating Systems

GeoCable® is not particularly resource hungry. A modern specification laptop with Windows 10 should run the software easily. Recommended specifications are:

- ✓ Computer/ Processor - 64-bit: Intel 64 (EM64T), AMD 64, or equivalent
- ✓ Memory (RAM) - 4 GB minimum, 8 GB recommended  
Disk Space - 10 GB for software. Data storage requirements vary by project
- ✓ Operating Systems - Windows® 10 Professional (64-bit)



# GeoCable® GIS Data



## A wealth of subsea cable data at your fingertips

A revolutionary data set unrivalled elsewhere within the industry, affording you quick access to vast quantities of subsea intelligence.

## Data sets that have been built up over many decades

Cable route information that has been compiled from numerous sources by Global Marine Group, during the course of its marine operations spanning the last 170 years. Recognised by installers, cable owners and governments as the de facto data set.

## Covering multiple types of cable data

GeoCable® GIS Data contains cable intelligence for multiple types of cables such as in-service and out-of-service fibre optic, out of service coaxial, telegraph and power cables.

## Additional data available in GeoCable®

GeoCable® GIS Data can also provide you with maritime boundaries, global wrecks, bathymetry and cable fault density heat maps.



# Gain layers of cable route information

## Access power cable data

We recently implemented a power cable data set into GeoCable® GIS Data as an additional layer of intelligence, supporting power cable projects with a clearer understanding of the surrounding seabed. We have access to 90% of global power cable data covering 30,000 kilometres, in both shallow and deep waters. It is estimated that the demand for offshore wind farms will grow at an annual rate of 15% over the coming years, therefore working in busy waters requires information on all types of cables.

## Obtain fibre optic cable data

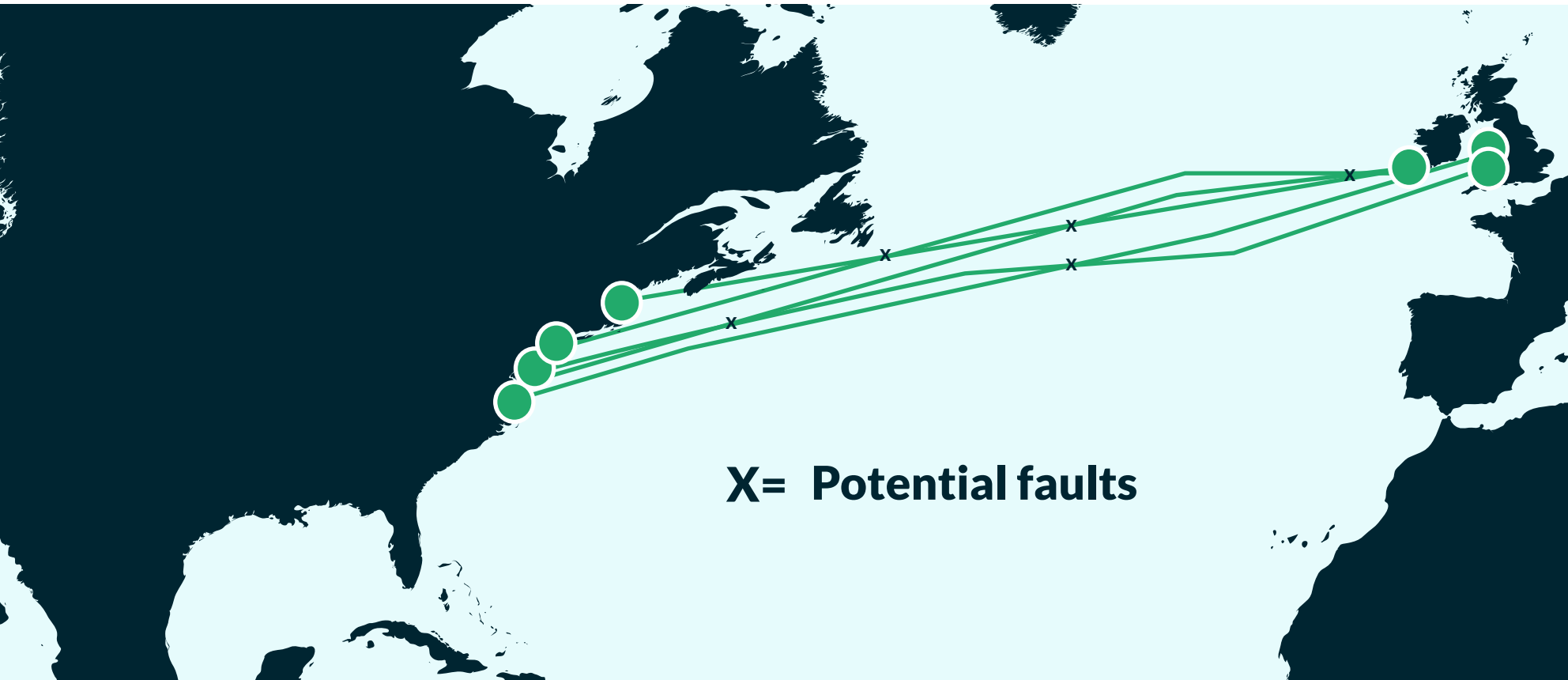
GeoCable® GIS Data provides access to over 2.6 million kilometres of subsea cable and 97% of all fibre optic cables laid worldwide, as well as a database of over 6,000 cable faults. Our cable fault maps provide clear visuals on areas to avoid, enabling cable owners to develop robust routes and implement cable protection methods.

## Bespoke data no matter the scenario

GeoCable® GIS Data is extremely customisable which allows us to provide you with tailored data solutions. Whether you need data for a specific cable type, or perhaps you only need cable information for a small area with shallow water, we can support your subsea project with data fitting your exact requirement, no matter the scenario.



# Understand the surrounding seabed



## Seabed congestion

We're having to share the seabed like never before, the increasing growth of offshore renewables is having an impact on the existing and new cable infrastructure. GeoCable® provides an understanding of where existing cables are on the ocean floor against any geographical risks.

## Our data prevents risks

Following the increase in seabed usage from industries such as telecoms, renewable energy, oil & gas and resource mining, our seabed congestion data prevents risks to both the security of the cable and to the process of acquiring permits.

## Save time and costs

Comprehensive cable data is critical to feed into detailed route development, effective crossing strategies and successful cable protection approaches for future systems. Overall, saving your project time and any extra costs.



‘The **GeoCable©** database is the closest there is to an authoritative source for accurate global submarine cable route placement data.’ - **An industry leading developer**