

# Sustainable Subsea Networks

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## Sustainable Subsea Networks Map

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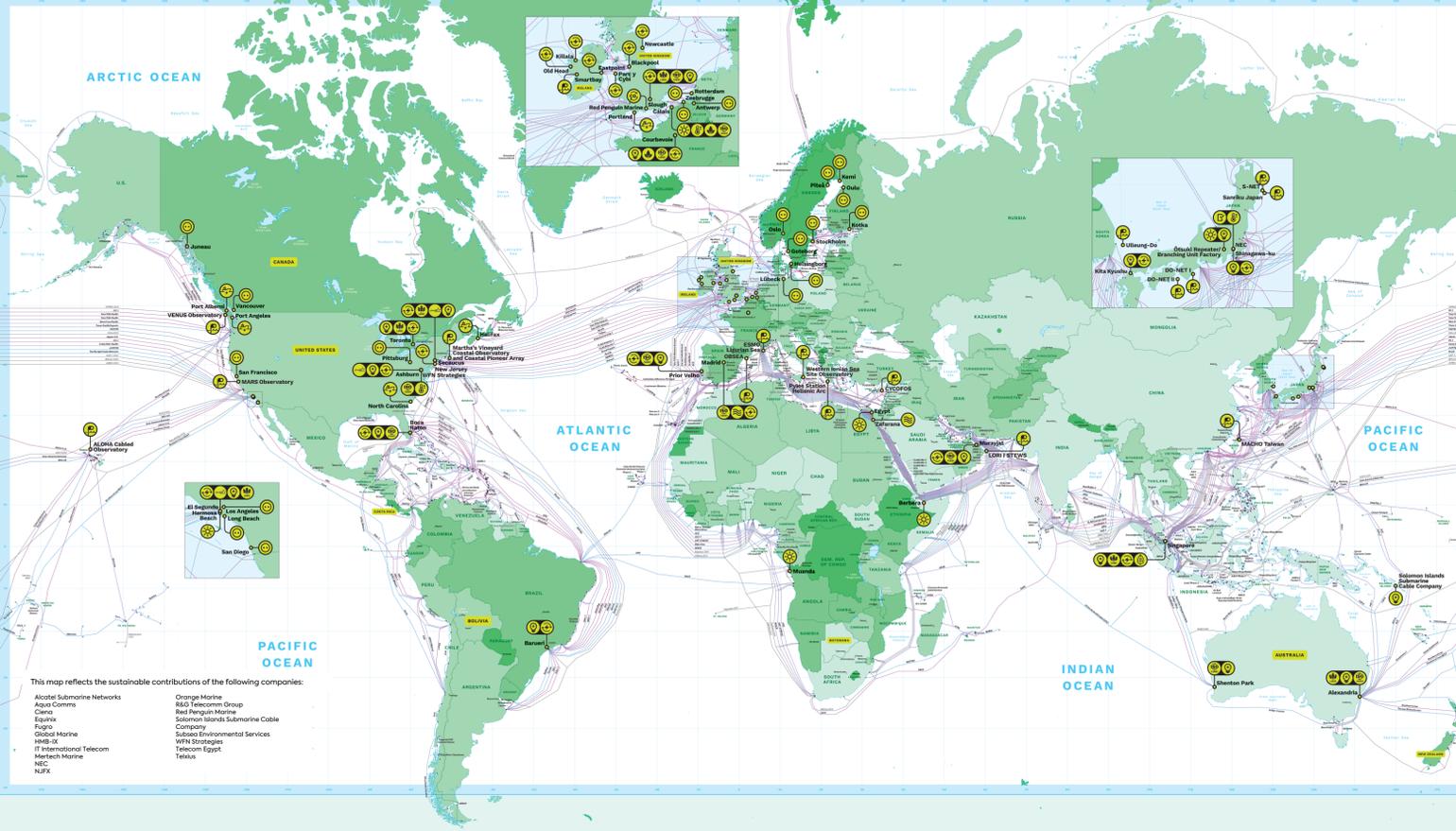
TeleGeography

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SUSTAINABLE SUBSEA NETWORKS



### Offset Emissions

Companies can offset their emissions and should favor durable carbon removals over tree planting and conservation offset efforts

### Be Energy Efficient

Owners of cable landing stations, factories, and ships have all pursued energy efficiency upgrades to reduce both CO2 impact and cost of electricity

### Extend Lifetime

The more years a cable is in operation, the more sustainable it generally is

### Connect to Green Energy

Data centers and cable landings on green grids, purchasing carbon neutral power, and building renewable installations reduce carbon emissions

### Plug into Shore Power

When cable ships plug into shore-side electric power, they do not have to burn CO2 emitting-fuel

### Commit to Targets

Environmental standards and certifications enable sustainable practices

### Protect Cables

A well-protected cable leads to fewer repairs and less CO2 emissions

### Recycle Cables

Cable recycling returns materials to the circular economy

### Increase Bandwidth

The more capacity, the more sustainable the network

### Be Regulation-Conscious

Countries have established environmental regulation for data centers and/or cable landing stations

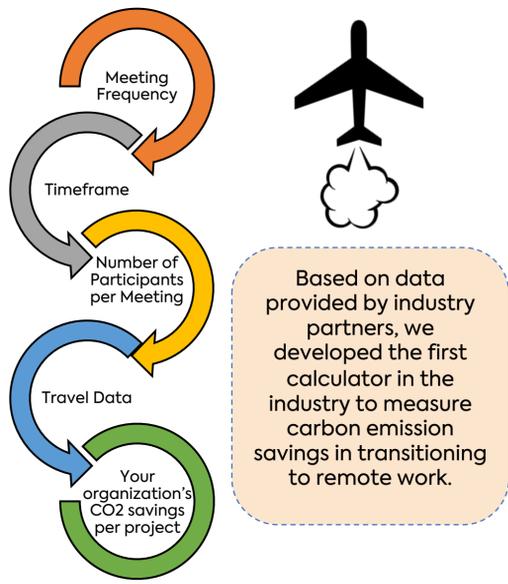
### Lend Cables to Science

Scientists use ocean observatories and SMART cables to monitor ocean and climate conditions

### Account and Disclose

Companies can track their carbon emissions and disclose them to the public

## Carbon Emissions Savings Calculator



## Submarine Telecom Forum Sustainable Subsea Column

### Improved Data Collection

Developing a standard to calculate our carbon footprint will not only keep track of our climate impacts, but it will also prepare for regulation that requires this information

### Meeting Remotely when Possible

By moving to remote meetings a single consortium system can avoid the equivalent of 154 gasoline-powered passenger vehicles driven for one year

### New Installations and Retrofitting Infrastructure

We weigh important considerations when developing new installations or retrofitting older infrastructure for energy efficiency

### Sustainable Everyday Operations

Companies are making strides toward sustainability, including powering ships using the electrical grid and using carbon neutral energy at the cable landing station

## Renewable Energy Feasibility Study (REFS)



### Policy Research

Initiated select regional and national assessments of renewable energy policies and ICT infrastructure growth

Developing recommendations to increase the role of regulation in making the industry more sustainable

Examined international law relating to sustainability in the subsea cable industry

Conducted a comparative analysis of national regulations governing subsea cables, with particular focus on energy transition

Studied the influence of standards and certifications in adopting green initiatives within the industry

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