



## The SGSCS system represents HMN's first repeater and branching unit solution, linking Trinidad, Guyana to Suriname in South America

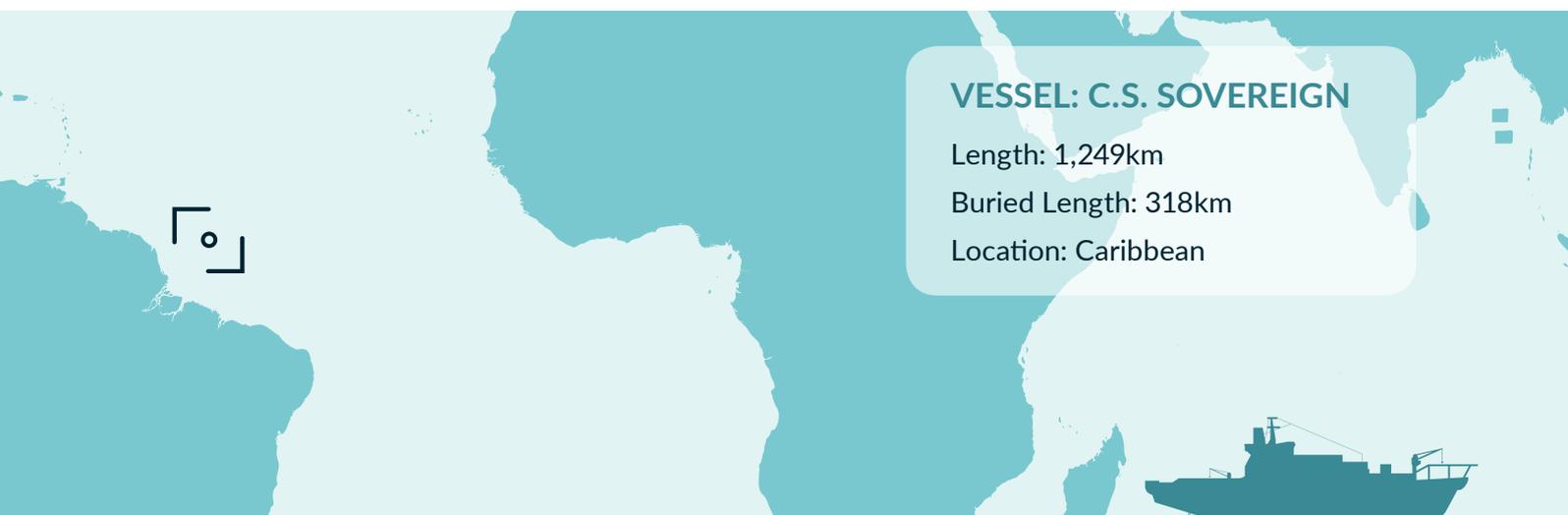
Global Marine provided Telesur & GT&T a two fibre pair solution terminated between Trinidad and Guyana, with a branching unit into Suriname in Latin America.

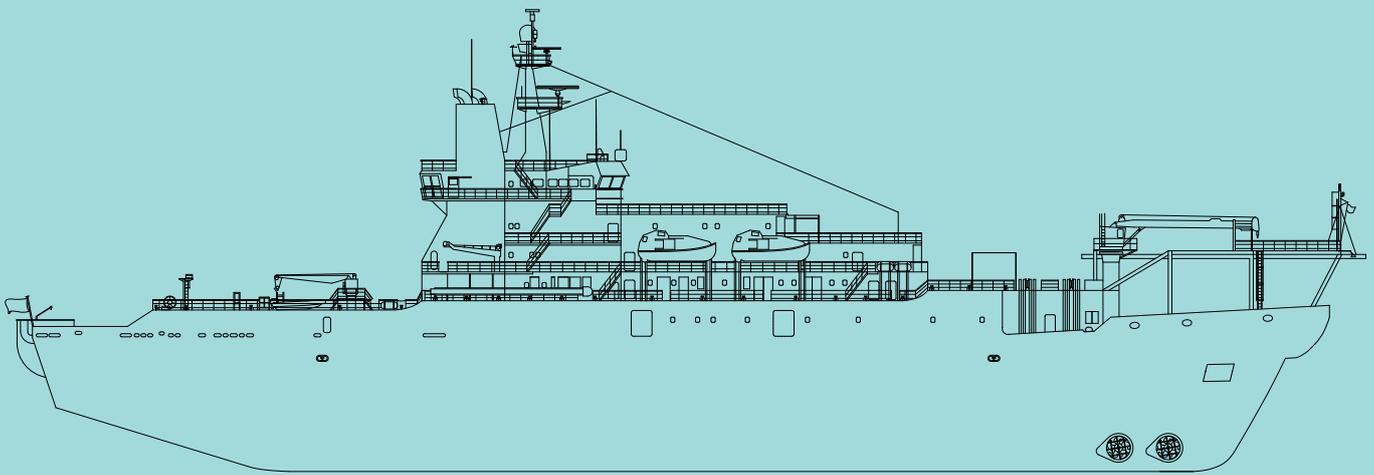
The 1,249 kilometres system was installed as a repeatered solution with optimum repeater spacing of 70 kilometres, with each fibre pair having a maximum capacity of 64x10Gbit/s wavelengths. Each fibre pair was equipped on day one with an initial capacity of 2x10Gbit/s wavelengths upon implementation. Due to the innovative design of the terminal equipment, system upgrades can easily and cost effectively be accomplished as and when required.

### SERVICES PROVIDED

Global Marine provided an end-to-end solution to the customer from initial surveys through to the installation of the fibre optic cable system, which included:

- Desk survey
- Route engineering
- Shore end installation
- Main lay operations
- Post lay inspection and burial
- Post project reporting





## ASSETS

C.S. Sovereign, one of the most experienced offshore engineering ships of its kind in the world, is capable of handling the wide variety of subsea tasks required by such diverse industries as telecommunications, oil & gas and deep sea research.

C.S. Sovereign has worked on numerous projects, which include: Fibre to Judy and Valhall Clyde both in the North Sea providing installation services to the oil & gas market as well as undertaking charter contracts supporting a diverse range of offshore projects.

## THE CHALLENGE

Significant pre-laid shore end installation operations were required at both Suriname and Guyana.

The first shore end was landed directly from the C.S. Sovereign in Trinidad with a 27 kilometre pre-laid shore end landing at Guyana, a pre-laid shore end was also required at Suriname and extended 18 kilometres from land.

C.S. Sovereign utilised the submersible plough and remotely operated vehicle systems to install the cable up to one metre below the seabed to ensure cable protection in shallow waters.

*“Global Marine has done an excellent job of managing the project, installing the cable and keeping everything on schedule.”*

Ret'd Major General Joe Singh,  
CEO/GM of GT&T

For further information on Global Marine please visit:  
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