



SUBMARINE CABLE CONSULTING



**EXPERTISE
IN SUBMARINE CABLES**

WHO WE ARE: THE CORE OF THE COMPANY



Temasa is an independent service company launched in late 2014 and based in Spain (Madrid). Temasa name has its origins from nearly 33 years ago, when Telefónica de España created a company named as such, reaching an important prestige and recognition. Temasa was acquired on 1999 by TE SubCom and changed name to Tyco Marine.

Temasa's management team is composed by **Ignacio Ugalde** as the Founder Partner and **Javier de la Cruz** as Senior Partner (both Telefónica and TE SubCom ex-employees, each one with more than 40 years of experience in the telecom industry).

OUR COLLABORATORS: PROFESSIONALISM & EXPERTISE



Temasa currently employs around 20 engineers and specialists, from various countries, with an extensive submarine cable industry background.

Temasa relays on key capable subcontractors to perform different activities when and where required, such as:

- MARITECH (Shore-end installations, marine installation, surveys)
- SUMERGIA (Diving, marine assets for shallow water repairs, surveys)
- ECOCONSULTING (Permitting)
- SEARISK (Cable Awareness)
- AURORA ENVIROMENTAL RESEARCH (Survey Assessment)

OUR LATEST PROJECTS: SUCCESS STORIES



- Shallow waters repairs performed off the Coast of Balboa (Panama) on PCCS submarine cable in three occasions. On each of them a full set of equipment, barge, diving team and personnel was engaged for the purpose
- Project Management, on behalf of GTD España, of a new double Submarine Cable System, named DOS CONTINENTES, linking Spain's south coast with Ceuta. This project will be finalized in late 2019.
- Maintenance, for four years, of the Telefónica de España Outside Plant and Terminal Stations in Canary Islands. Several interventions were required during that time

A SERVICE TAILORED TO YOUR NEEDS

Temasa has three different business lines in the Submarine Cable (SCS) industry:



Support to Cable Promoters or to Cable Owners by:

- Providing contacts for the different services/products required for the SCS founding/commercialization.
- Providing contacts for the different supplies required for the system implementation.
 - Desk Top Study
 - Cable/Equipment provision
 - Permitting
 - Cable installation
 - Survey
 - Cable Maintenance
- Providing contract templates (Terms and Conditions) for the above mentioned services.
- Reviewing the different specifications to ensure the product/service compliance with the Promoter's needs.
- Managing the project implementation (Project Management) on behalf of the Promoter.



CONSULTANCY

Maintenance of the cable between the Terminal Station and the manhole landing point of the cable (Beach Manhole – BMH). This cable section is named Outside Plant (OSP).

- Temasa owns the required testing and fusion equipment.
- Temasa uses a leased jointing equipment.
- Temasa provides qualified personnel for this work.
- KPI are part of the contract.



MAINTENANCE

Terminal Station Maintenance.

- Temasa operates the Cable Owner Terminal Station equipment with qualified personnel.
- KPI are part of the contract.

Shallow water repairs. Repairs in areas where a cables ship is not able to work due to draft restrictions.

- Temasa assembles a solution for these repairs using different subcontractors.
- Repair Project Management
- Special cable equipment supply and importation.
- Support vessel/barge contract.
- Diving support contract.

To the Cable Suppliers:

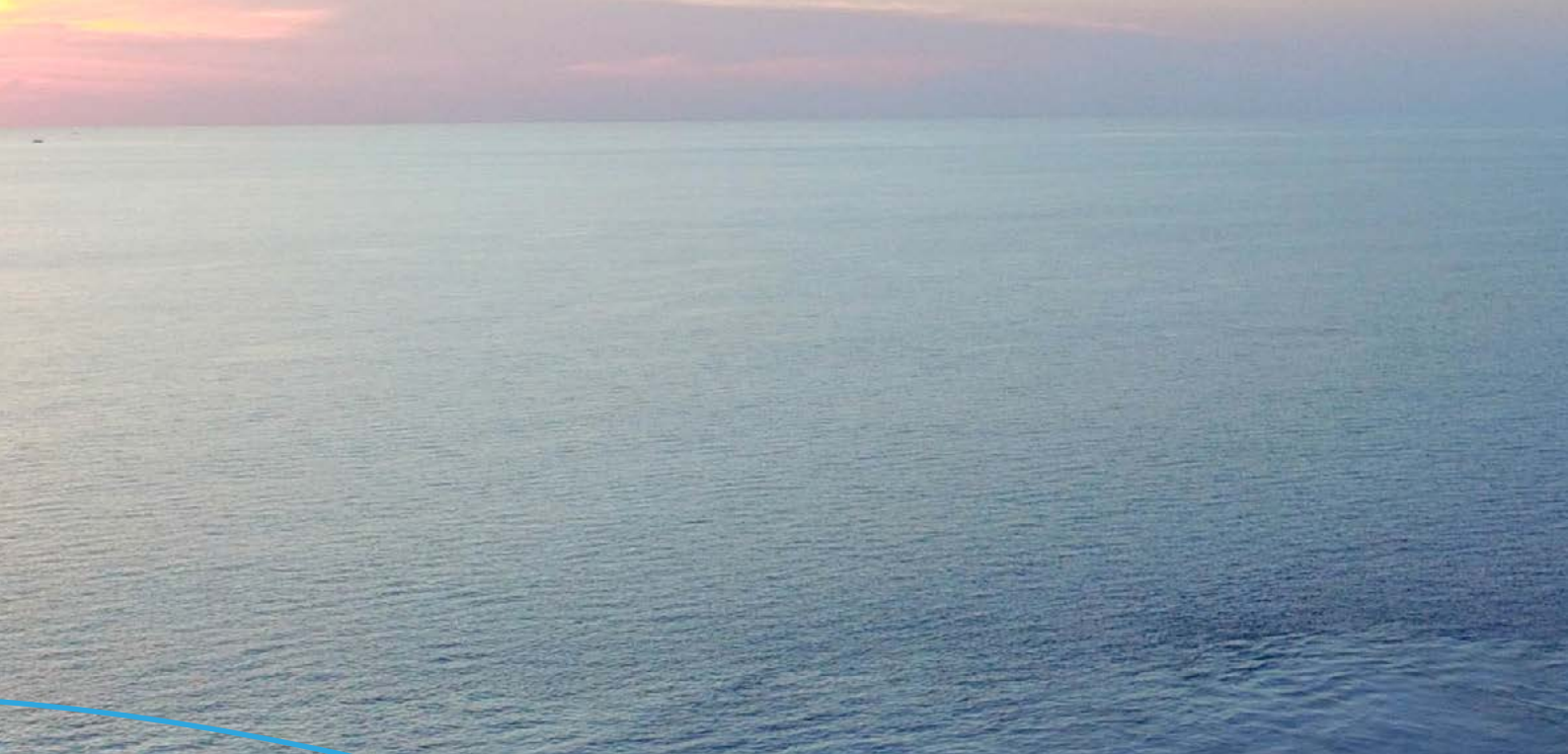
- Cable engineers to control cable installation or repair onboard the cables ships.
- Cable testers to monitor cable performance for cable installation or fault location for cable repair onboard cables ships.
- Engineers in Charge (EICs) to coordinate cable repairs or installations onboard cables ships.
- All personnel have seaman's book and adequate qualification.



PROVISION OF SPECIALISTS

To the Cable Promoters/Owners:

- Representatives onboard the Cable Supplier cable survey or cable installation vessel to monitor that the operations are performed according the contract specification.
- Representatives report to the Cable Promoter/Owner directly.



CONTACT INFORMATION

Ignacio Ugalde | iugalde@temasa.es | Mobile +34 609 010 325

Javier de la Cruz | jdelacruz@temasa.es | Mobile +34 649 886 878

www.temasa.es