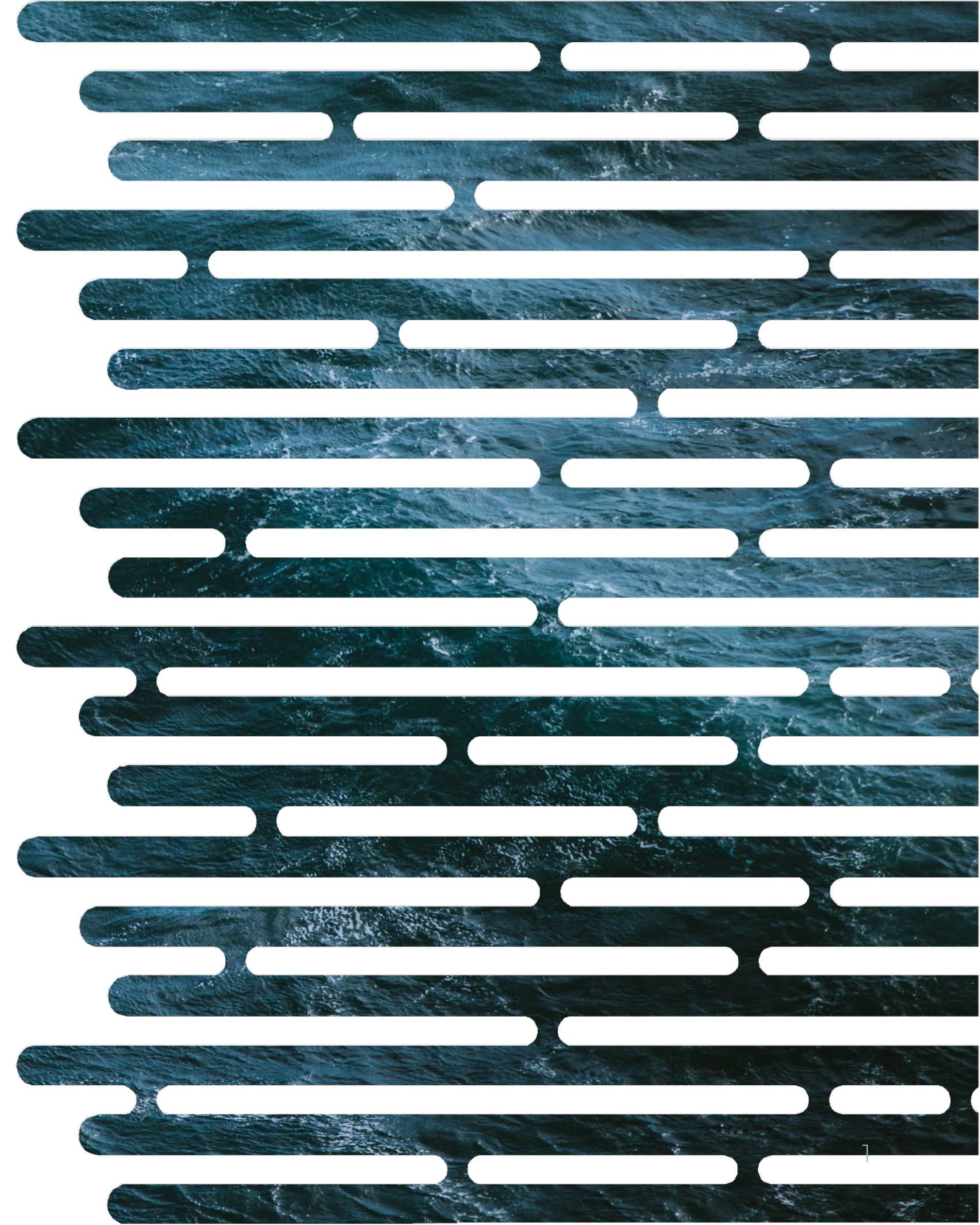


ionian

**The most advanced
fiber route between
Greece and Italy**

isla**ink**



introduction

ionian is promoted by **islalink**. In operation since 2007, **islalink** has deployed submarine systems connecting the Balearic Islands, the Canary Islands, Morocco and Algeria.

islalink belongs 100% to Fiera Infrastructure, an infrastructure fund headquartered in Toronto (Canada)



ionian is a new submarine and terrestrial fiber optic system connecting **Athens** and **Thessaloniki** to **Milan** and **Rome**.



ionian addresses the need for very large **wholesale** capacity (wavelength, spectrum, dark fiber) between Western Europe and Greece through a new system on a completely diverse route.



ionian is **neutral**: we sell fiber infrastructure and transmission capacity wholesale. We do not address the retail market and we do not compete with our customers.



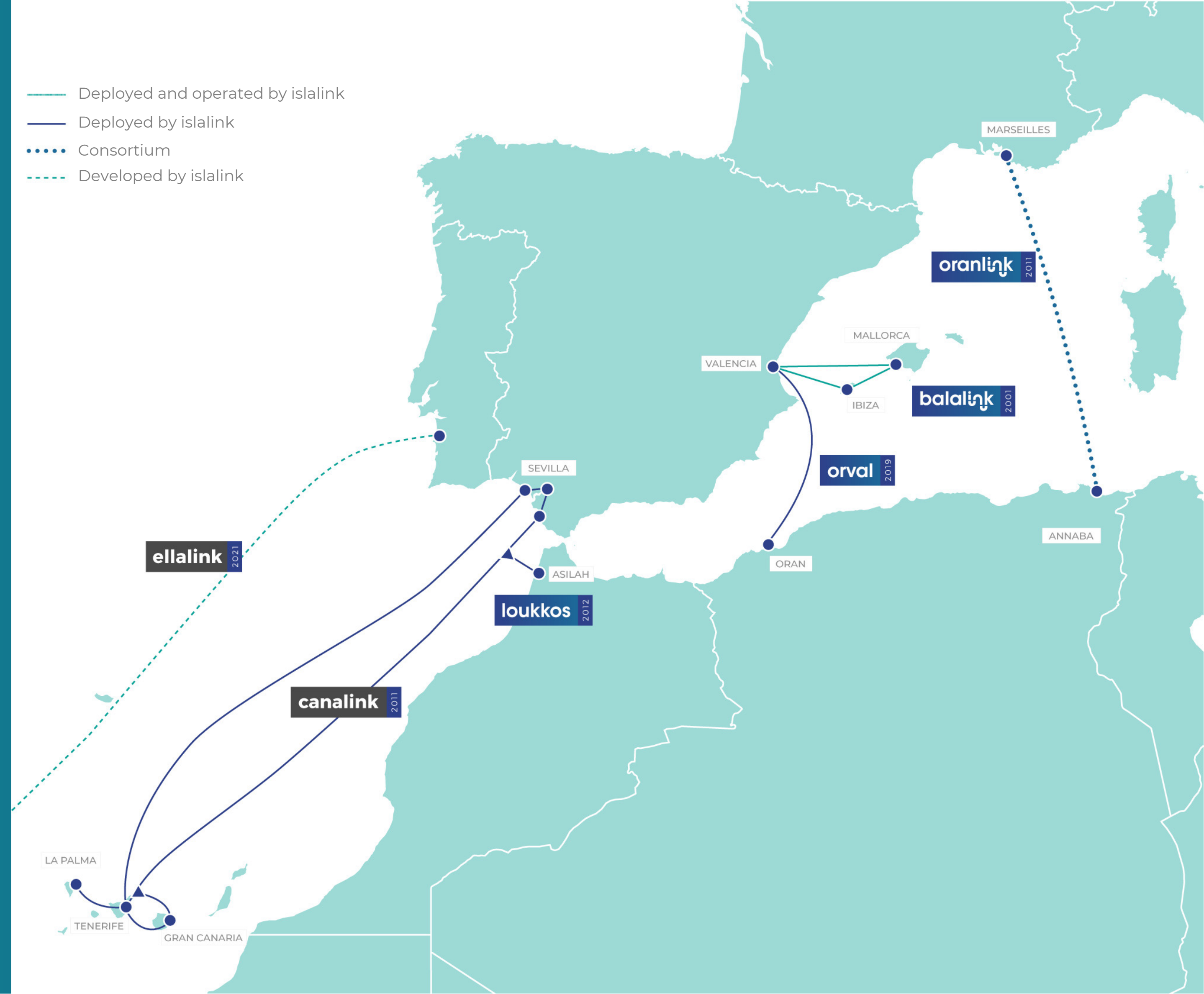
ionian is **independent** as it belongs to **islalink**, a reputed telecommunications infrastructure operator with strong expertise in developing, building and operating submarine cables.



Expertise in Submarine cables

islalink currently operates **balalink**, the most robust system linking the Spanish peninsula with the Balearics. In addition to **balalink**, **islalink** has an extensive experience in the development, construction and operation of submarine cables:

- since 2011 Canalink connects the Canary Islands to Mainland Spain;
- in 2012, a Branch to Morocco (Loukkos) was added to this system;
- in 2011, Oranlink started operating from Marseilles and in 2019, the Orval (Oran – Valencia) system was completed;
- from 2011 to 2017, islalink developed Ellalink, which started operating in 2021.





ionian

SYSTEM CONFIGURATION

ionian has been designed to be the most advanced and reliable infrastructure for the Greek international market, with redundant terrestrial routes connecting Milan, Rome, Athens and Thessaloniki

Unrepeated – 24 FP

With a 330km length, the submarine route is unrepeated. It has 24 fiber pairs that can be equipped with any suitable vendor.

Diverse

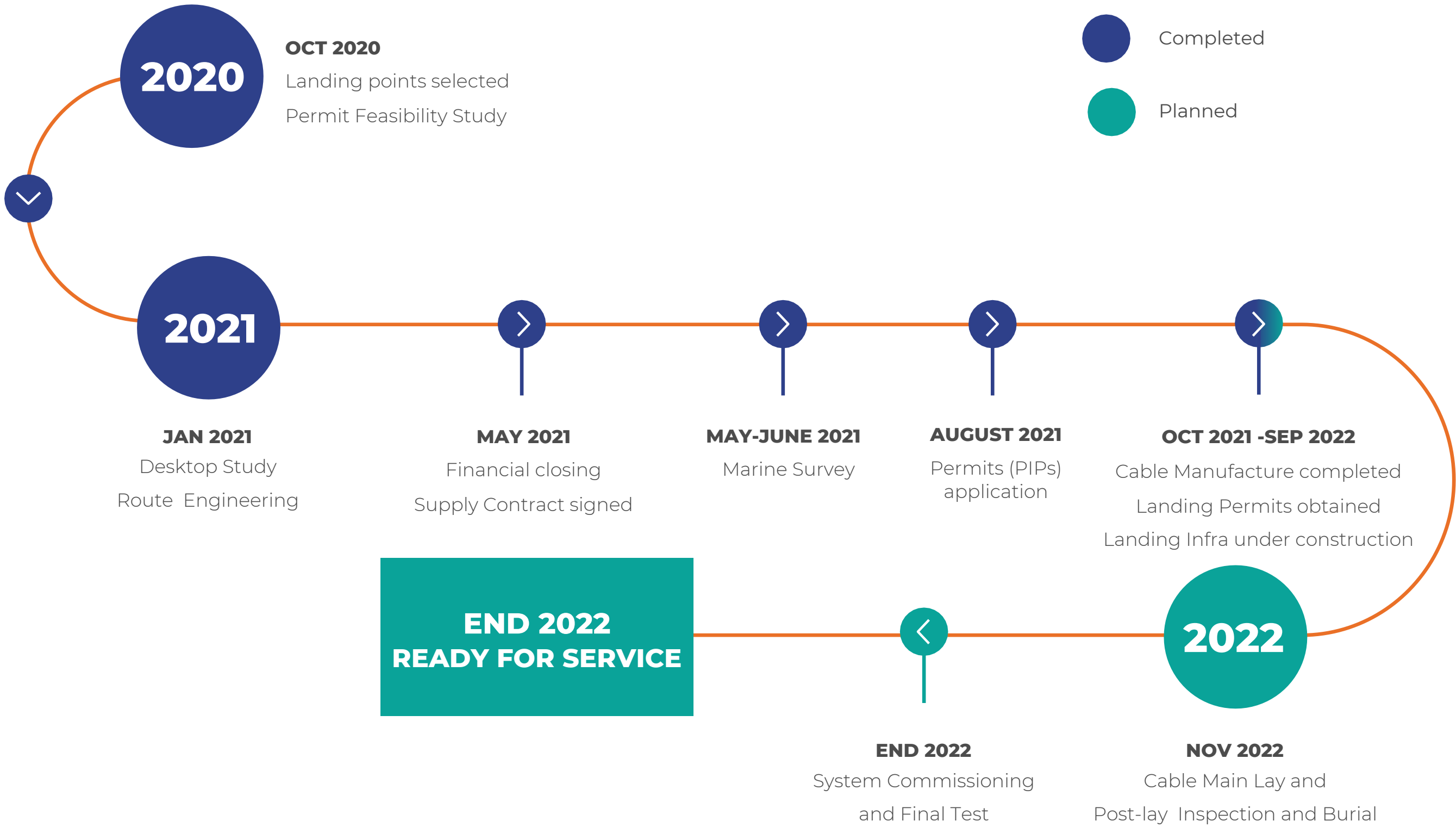
Crossing the Ionian sea from Preveza to Crotona, the cable is totally diverse from existing systems in the Adriatic and in the Mediterranean seas.

Deep waters

The cable is mostly laid (75%) on the seabed Surface under deep Waters (below 1.000m), where it is safe from human-made hazards.

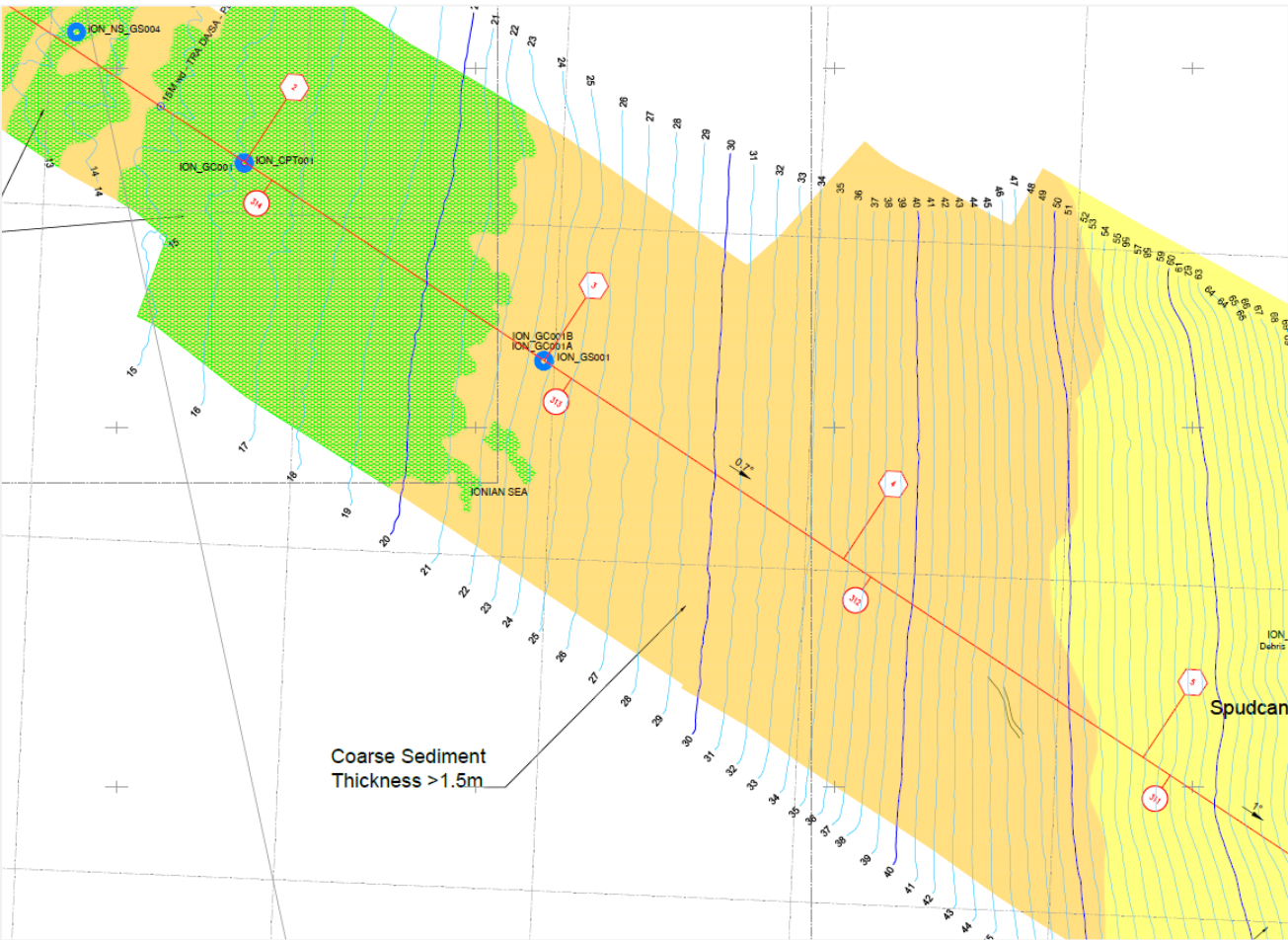
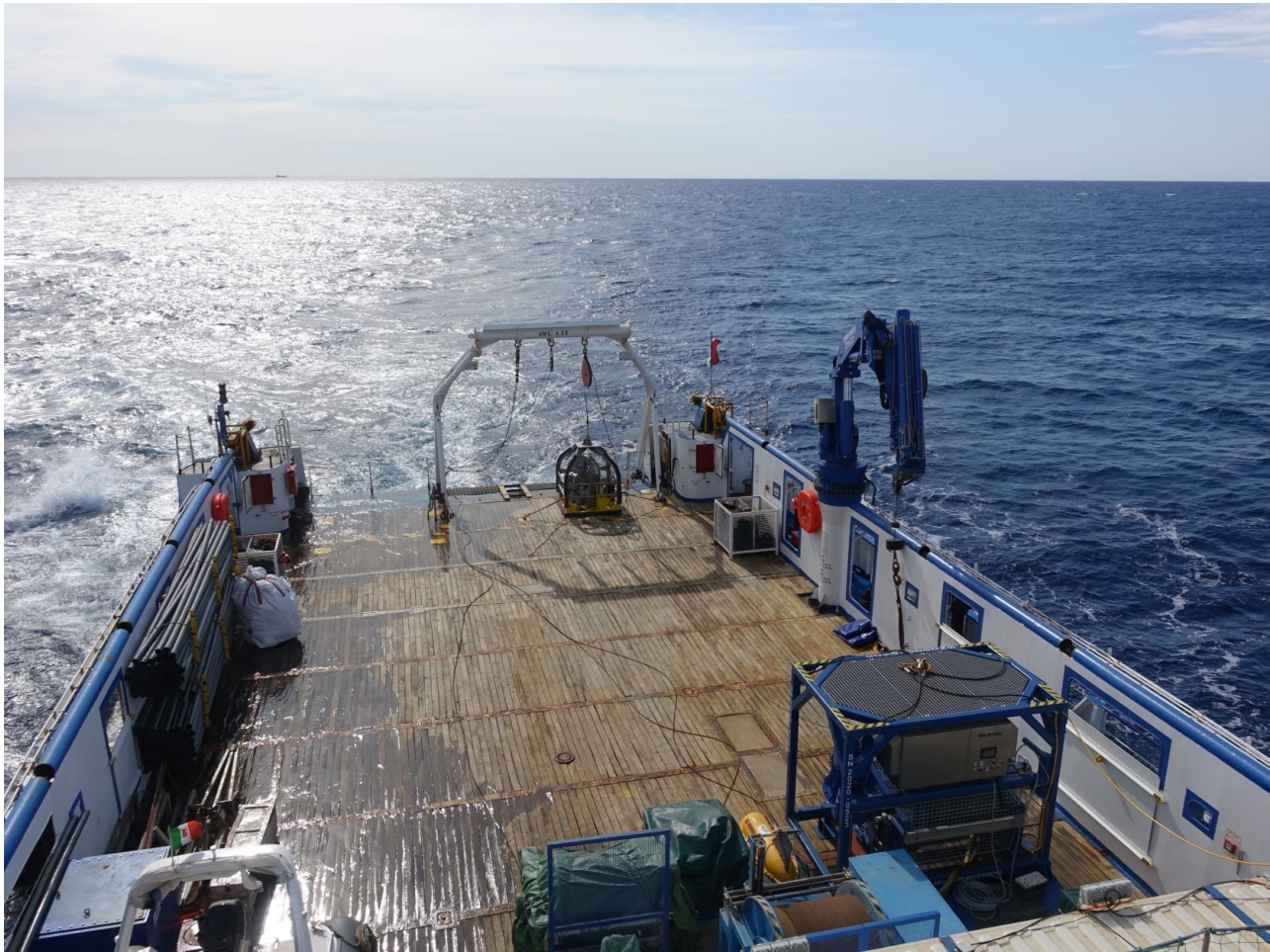
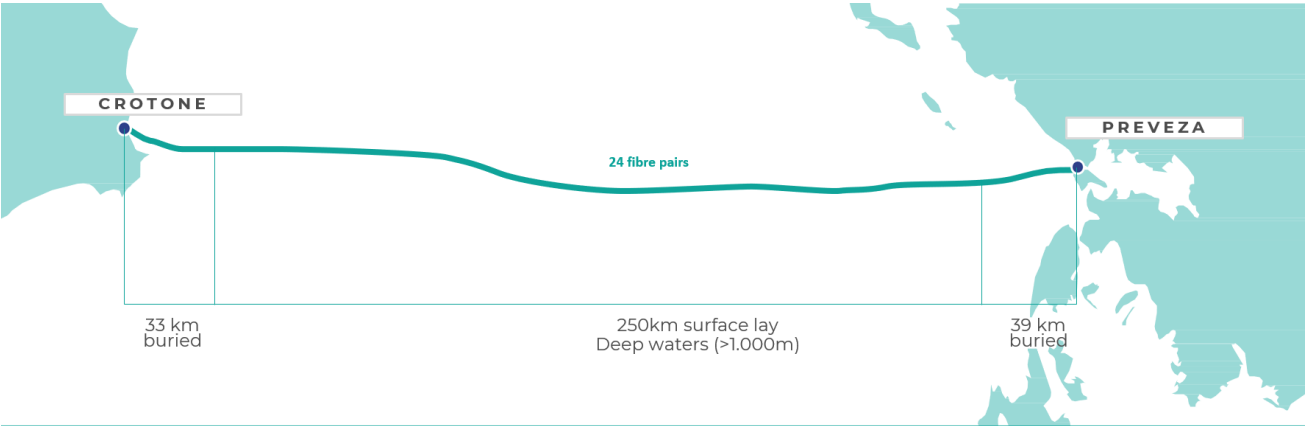
ionian

PROJECT TIMELINE



Marine Survey

JUNE 2021



Cable Manufacturing



- ⚡ Lightweight Protected (LWP), Single Armored (SA) and Double Armored (DA) cable (24FP), manufactured by NSW (part of Prysmian Group) in Germany
- ⚡ All tests have been successfully carried out
- ⚡ It is going to be deployed by Elettra. Currently stored in a depot in Catania.

CLS Crotone - Preveza



islalink CLS ownership in both Crotone & Preveza.



Modular expandable CLS operated and managed by **islalink**.



islalink is a **licensed operator** in Italy & Greece.



Neutral CLS with **open access**



Crotone Landing

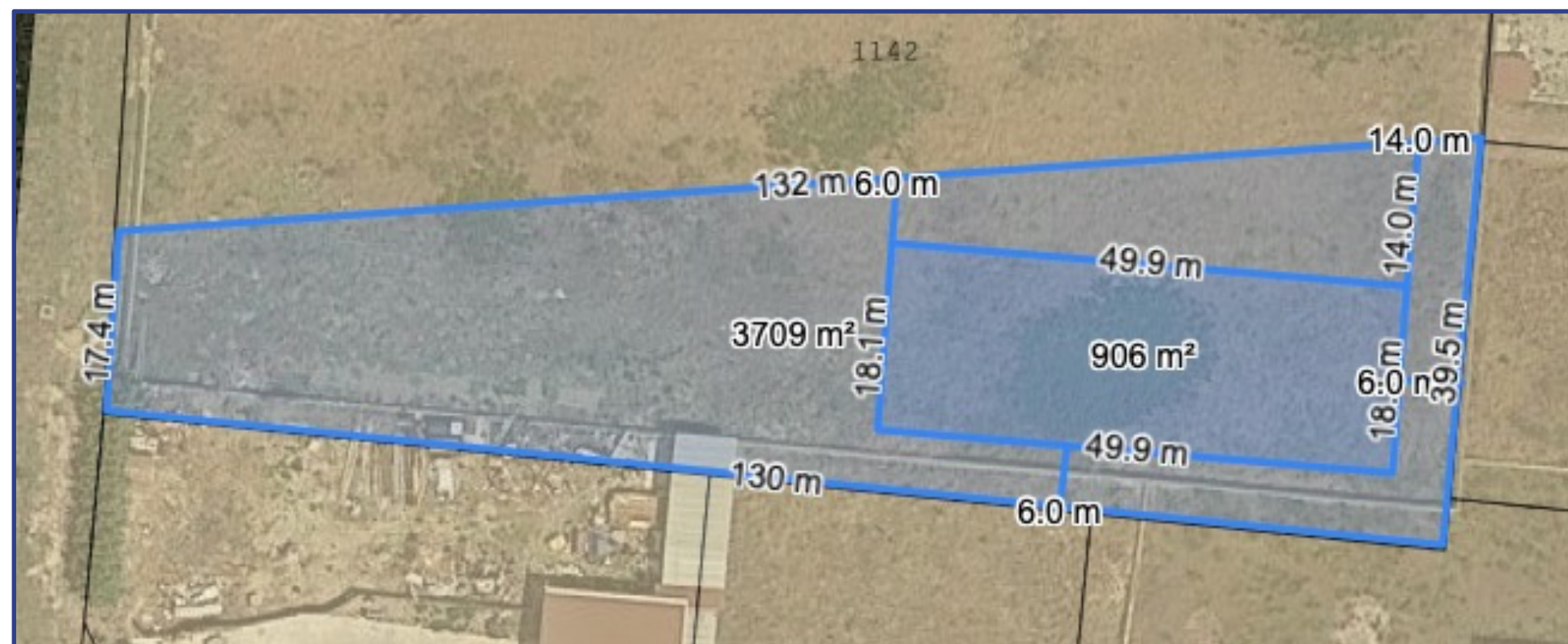
IslaLink is building the landing infrastructure in Crotone with capacity for up to 4 submarine cables. **Ionian** is the first submarine cable landing in Calabria, positioning Crotone as a new hub for submarine cables.

Ionian Submarine cable will land in the Gabella beach, North Crotone.

The Cable Landing Station is being built in the Industrial Area of Passovechio and is connected with the landing beach through a new canalization with 4x63mm ducts (1 duct for IONIAN and the rest to allow for future cables).

The CLS land plot is 3.700m² and the total surface of the building is almost 1.000m².

The landing infrastructure together with the rest of the Ionian network all over Italy will be operated and maintained by specialized subcontractors and coordinated by Islalink's engineers.



Preveza Landing

IslaLink is building the landing infrastructure in Preveza with capacity for up to 4 submarine cables.

The Ionian Submarine cable will land in the Kalamitsi, Mytikas beach. The Cable Landing Station is being built in the Industrial Area of Preveza and is connected to the landing point through a new canalization with 4x63mm ducts (1 duct for IONIAN and the rest for future cables expansion).

The CLS land plot is 2.400m².

The landing infrastructure together with the rest of the Ionian network all over Greece will be operated and maintained by specialized subcontractors and coordinated by Islalink's engineers.



Technology



✚ **Ionian** will be using a DWDM C+L day one capable system from Nokia (1830PSS & 1830LX).

✚ The system will be using C band on the submarine link, capable to provide 15 Tbps per FP (400Gbps Lambdas) with current technology adding **360 Tbps of total capacity**.

✚ On the terrestrial paths (Greece & Italy) both C+L bands will be used adding **38,4 Tbps of capacity per FP** (400Gbps Lambdas).



SERVICES

ionian is a repeaterless and technology independent high fiber count system.

Increasing capacity per fiber pair along with technology evolution starting with more than 15 Tbps at RFS date.

A repeaterless submarine cable ensures a very long system lifetime exceeding the 25 years industry standard.

SERVICE	END POINTS	CONTRACT	DURATION
Wavelength	Athens–Thessaloniki / Milan– Rom e	IRU /Lease	1– 15 years
Spectrum	Athens–Thessaloniki / Milan– Rom e	IRU	10+ years
Dark Fiber	Crotone – Preveza	IRU	10 – 25 years

THANK YOU

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