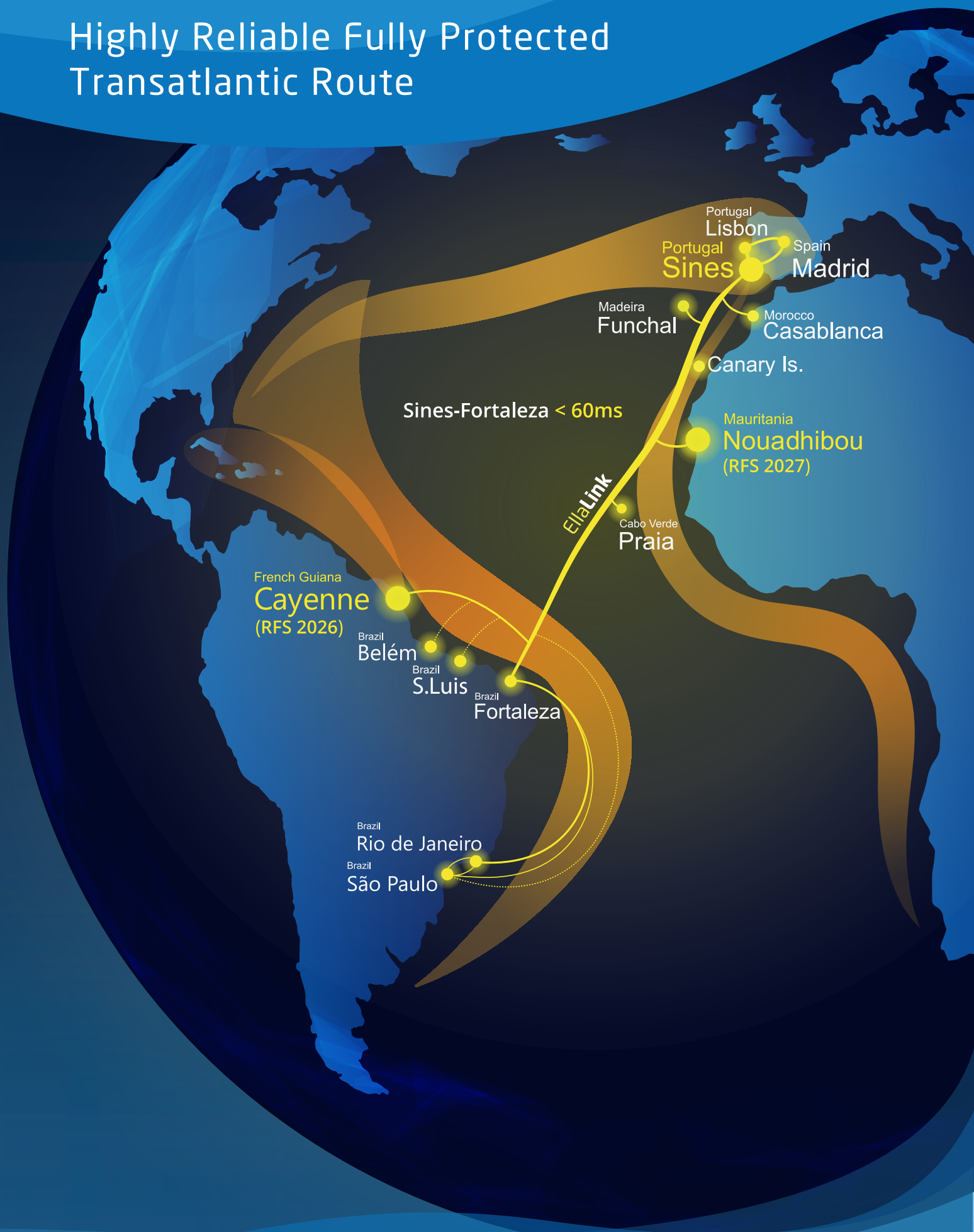


The Clockwork Network

EllaLink

Highly Reliable Fully Protected
Transatlantic Route



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ella.link



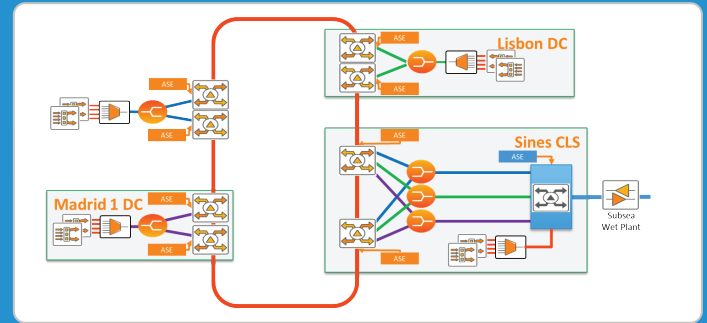
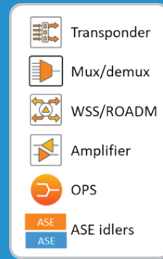
/ellalink



/ellalinkcable

CLOCKWORK NETWORK—SYSTEM ARCHITECTURE

- 7,700km+ analog optical platform, no electrical regeneration.
- <50ms hitless protection switchover in case of fiber event.
- SLTE installed in data centers, not CL stations - lower OpEx & space needs.



Optical Protection Switching Module (OPSM) at the edge

- 50:50 Splitter sending the same optical signal over the two separate physical paths
- At the receiving end a Combiner with built-in switch will select one path.
- The optical protection switch (OPS) is triggered in case of loss of light, using a configurable attenuation threshold.

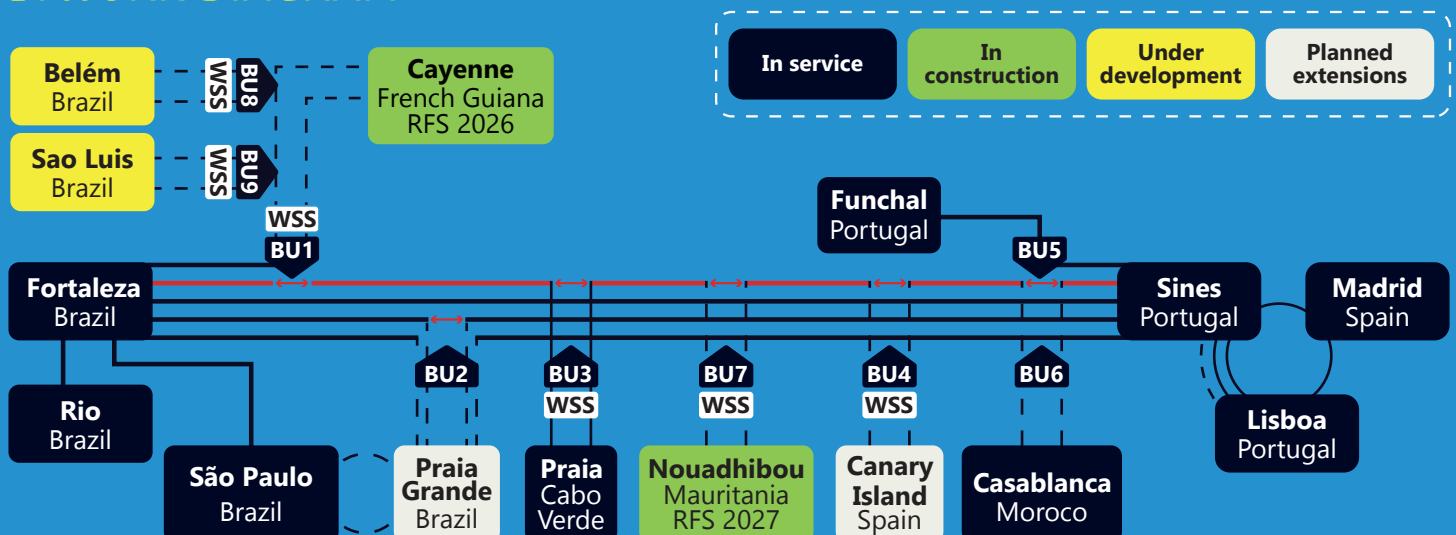
DLS PROTECTION BENEFITS

- Customer tiering
- Class of Services: Selection of routes and level of protection.
- Independent of photonics vendor: Easy integration of Alien waves.
- Provides more benefits than full fibre protection or isolated customer tributary ports, and faster.

OPTICAL EXPRESS WITH OPTICAL SWITCHING BENEFITS

Cost Efficiency	Reducing intermediate regeneration points leads to lower CapEx and OpEx.
Improved Round-Trip Delay	Eliminating unnecessary regeneration reduces latency, a crucial factor for financial and cloud services.
Optimised Space and Power Usage	Direct optical transmission minimises energy use, resulting in a reduced carbon footprint.
Reduced Equipment at CLS	Fewer regeneration points mean fewer opportunities for signal interception or tampering.
Lower Power Consumption	Data centres are better equipped to handle high-capacity optical signals compared to CLSs.
Enhanced Security	Fewer active components are required at landing stations, lowering operational complexity. Reduced number of spares and support from vendors. Fewer points of failure.

NETWORK DIAGRAM



THE NEW ROUTE REVOLUTION



DIVERSE & HIGH-CAPACITY PLATFORM FOR GLOBAL NETWORK RESILIENCE

EllaLink enriches global network resilience offer by providing a new protection path for transatlantic routes, ensuring uninterrupted connectivity even in the face of critical disruptions.

11 cities
connected

100TBps
EU to Brazil

<60ms
EU to Brazil

7fp, 190TBps
at Sines

5fp, 112TBps
at Fortaleza

NEW INFRASTRUCTURE DEVELOPER & OPERATOR

Strong of its team's experience and its existing infrastructure, EllaLink specializes in creating flexible and tailor-made solutions to manage the complete life cycle of submarine infrastructure for its customers.

Key achievements

- Madeira connection to Portugal mainland
- Cabo Verde international connection to Europe and LATAM
- Morocco international connection to Europe

9 BRANCHING UNITS TO FACILITATE CONNECTIVITY IN NEW GEOGRAPHIES

EllaLink's design enables direct and secured international branch connectivity that enable the gradual development and integration of new markets, improving local reach with a global impact.



SINES: A SAFE, NEUTRAL, RESILIENT PLACE TO LAND AND OPERATE SUBMARINE CABLES

- Streamline the licensing and construction authorization process, establishing a risk-controlled environment with unique regulatory conditions for landing submarine cables.
- Create a "Cable Protection zone" in front of Sines for pre-licensing of submarine cable routes, ensuring enhanced and controlled cable protection.
- Build in Sines several multi-tenant, robust and diverse fronthaul infrastructures for submarine cables, connecting data centres, EllaLink Cable Landing Station, other cable landing points and Sines Tech.

Atlantichub
SUBSEA CABLE CONNECTION

ELLALINK NETWORK AT A GLANCE

Strengthen your global network diversity and resilience with a unique transatlantic route

Revolutionize IT delivery model for businesses on both sides of the Ocean

Securely connect Asia and Latin America with the most direct high-capacity corridor

Optimize IP connectivity thanks to the 50% latency reduction providing 2X the effective link throughput

Access neutrally and exchange exclusive content in the vast ecosystems of Europe and Brazil

Be part of the future green data centre innovative hub in Sines, Portugal

EXPERIENCE THE FUTURE OF TRANSATLANTIC CONNECTIVITY

EllaLink is the first direct Subsea Cable linking Europe and Latin America, delivering protected, open, ultra-resilient subsea connectivity, backed by proven performance and innovation.

Scan to discover how EllaLink's Clockwork Network delivers unmatched performance, resilience, and innovation for your global business needs.

EllaLink was shortlisted as Best Subsea Operator and Best Subsea Innovation for the Global Connectivity Awards 2025.

