



MEMBER SPOTLIGHT



Seaborn



Seaborn Networks Completes the Build of the Most Direct Subsea Fiber Optic Cable System between Brazil and the U.S.

Seaborn Networks recently developed, funded, built and operates the first-ever direct subsea fiber optic cable system between New York and São Paulo, which is known as Seabras-1. The system is a 72 Tbps subsea system comprised of six fiber pairs that is more than 10,500km in length.

With a project cost of more than \$500 million, the network has set a new standard for the most reliable and fastest route between the financial centers of North America and South America. Seaborn's fastest solution on this route has a round trip point to point latency between stock exchange matching engines of only 105.16ms (by comparison, the average speed of a person to blink their eyes is between 300ms and 400ms).

Seaborn Networks is a leading developer, owner and operator of transoceanic subsea fiber optic cable systems. More than 98% of the world's global communications traffic (data and voice) travel on these subsea cables. And Seaborn Networks has pioneered a new business model in the telecommunications industry with its unique developer-owner-operator model.

Our Seabras-1 network is one of the most important new primary paths of global communications between North America and South America, which routes are critical for telecommunications companies, content providers, governments and financial institutions. Because we operate the first direct fiber route between the stock exchanges of the US and Brazil, we also work closely with the Brazilian Stock Exchange (B3) to encourage financial services firms to increase their trading on Brazil's stock exchange. In addition, in light of Cloud Computing and Internet-of-Things objectives for the region, Seabras-1 has become a critical digital trade route that best positions Brazil as a long-term global communications hub of South America. Lastly, Seabras-1 is also a key component to help achieve national broadband plan objectives for Brazil and other countries in the region.

Seaborn is also actively developing a new subsea fiber optic cable route from Brazil to Argentina (known as ARBR), thereby providing a new route between these two markets as well as between Argentina and the United States. And we are also working on a new route between Brazil and South Africa, which is a route that does not exist yet and will also provide the first direct route between the United States and South Africa (via Brazil). Seaborn Networks' projects are typically very international endeavors.



Early development capital for Seaborn Networks included equity funding from the International Finance Corporation of The World Bank Group, its Seabras-1 project received backing from the French Government's Ministry of Finance through its export credit agency, and the project financing put together for the funding comes from five European countries. As governments and businesses continue to wrestle with how to replace aging infrastructure across multiple industry sectors, Seaborn's business model provides a new approach to tackling the modernization of the telecommunications industry.

Although subsea telecommunications systems have been around since the late 1800's, their importance has increased dramatically in recent years. This is evidenced by the trend in the Oil & Gas industry of connecting offshore platforms with subsea fiber in addition to (or in place of) satellite and microwave networks.

Seaborn Networks, based in Beverly, Massachusetts, is uniquely positioned to capitalize on this global trend as the company is the world's only fully-functioning developer-operator focused exclusively on subsea fiber optic systems.

For more information on Seaborn Networks please visit their [website](#).