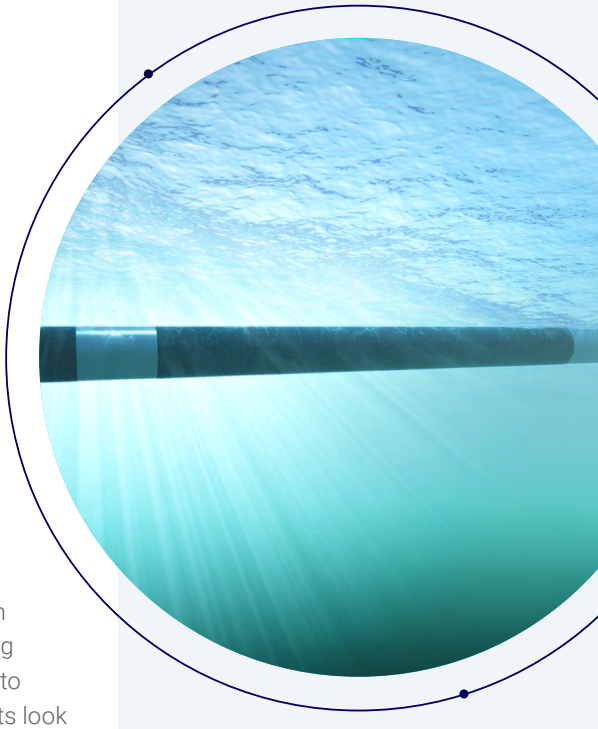
FLEXENTIAL®

International connectivity with Flexential Interconnection



Direct, subsea connectivity to Asia-Pacific, South America, and beyond

All industries are embracing an increasingly digital global marketplace, more often than not enabled by cloud-based applications and platforms. As U.S. organizations, including technology, manufacturing, healthcare, research and educational institutions continue to expand their interests in emerging, high-growth APAC markets, their global counterparts look to exploit similar opportunities in the U.S.

Likewise, the amount of data traveling from the U.S. to South America is growing due to broadband and bandwidth-heavy application adoption as well as a broader shift of businesses to the cloud. In parallel, many legacy U.S.-South American network systems are nearing end-of-life and need replacement.

In the African region, from the oil and gas sector to scientific and academic research, multiple industries are looking to extend their presence and exposure to the highly active U.S. market, while enterprises in Africa are seeking to establish direct connections with parent companies, subsidiaries, business partners and suppliers across the U.S. In any case, strong international subsea cable connections are essential to facilitating global business growth.

The Flexential Portland-Hillsboro 2 data center is the North American landing point for three subsea fiber cable systems. Combined, the New Cross Pacific and Hawaiki submarine cable networks provide faster data connections and expanded network access to meet mounting requirements for low-latency connectivity to and from Asia, Australia, and New Zealand. The Bifrost Cable System connects Singapore, Indonesia, the Philippines, Guam, and North America and is the third large-scale, multi-tenant cable system to terminate in the Flexential Hillsboro campus, enhancing global connectivity and establishing the region as a vital hub for trans-Pacific communications.

Similarly, the Seaborn Networks' transoceanic platform provides low latency, highspeed, seamless connection to Latin America. The Latin American subsea cable, Seabras-1, pans from New Jersey to Sao Palo, Brazil. Seabras-1 to South America is built for performance that is second to none, providing high-capacity, ultra-low latency service delivered in a fraction of the time of legacy suppliers.

Finally, the Flexential partnership with Angola Cables expands interconnection options for customers in the Southern and West African markets. Access to Angola's MONET cable, housed in the Flexential Fort Lauderdale data center, offers customers connectivity via the low-latency, high-capacity South Atlantic Cable System (SACS).

International connectivity

New Cross-Pacific submarine cable

Connecting the Pacific Northwest with mainland China, Taiwan, Japan, and South Korea with a capacity of 80 terabits per second, the New Cross Pacific submarine cable is a fast, low-latency, fiber-optic cable with advanced amplification technologies that improve performance and reliability.

Hawaiki submarine cable

The first carrier-neutral, fiber-optic connection linking Australia, New Zealand, and American Samoa to mainland U.S. and Hawaii, the Hawaiki submarine cable is designed with a capacity of 43 terabits per second.

Bifrost cable system

A new trans-pacific cable system connecting Singapore, Indonesia, the Philippines, Guam, and North America, the Bifrost cable system has a total capacity of 260 terabits per second.

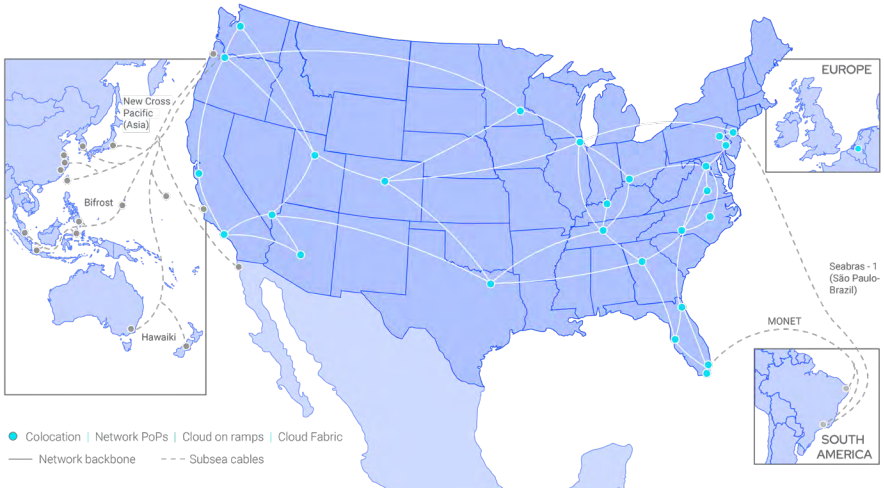
Seabras 1

The only nonstop path between the commercial centers of the U.S. and Brazil, Seabras-1 combines scale with the speed of latency only available on a system with no interim landing points. With a design capacity of 72 terabits per second, for applications that rely on the shortest and most stable network paths, the Seabras-1 submarine cable delivers hyperscale bandwidth, high availability and the lowest latency on a subsea route.

Monet submarine cable

Recently upgraded, the MONET cable has a total design capacity of 64 terabits per second and extends connectivity to markets in Africa via simple cross-connect fiber optics. Low-latency, express connections provide direct access to the AngoNAP Tier III data center in Fortaleza, Brazil and the SACS landing station.

Highly connected, national platform



● Flexential locations

For an interactive map of our data centers, cloud regions, DRaaS regions, POPs, and cloud on-ramps go to flexential.com