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Project Hub Antarctica

Chapter

Not necessarily. The endpoints of undersea cables, also known as landing stations, can be data centers, but they can also be other types of telecommunication facilities. These facilities house the equipment necessary to transmit and receive the signal carried by the cable. This equipment can include amplifiers, regenerators, and converters that adapt the signal for onward transmission over land-based networks.

Here's a breakdown of the different types of landing stations:

- Cable landing stations (CLS): These are the most common type of landing station and are specifically designed for undersea cables. They house the equipment needed to interface with the submarine cable and terrestrial networks.

- Data center interconnection (DCI) facilities: These facilities are designed to interconnect data centers and often house landing stations for undersea cables. They provide a high-bandwidth connection between data centers, which is essential for carrying the large amounts of data that travel over undersea cables.

- Telecommunication facilities: These facilities house a variety of telecommunication equipment, including landing stations for undersea cables. They may also house switching centers, routing equipment, and other infrastructure necessary for carrying voice and data traffic.