Līhue, Kauaʻi

Segment 1

Kapolei, Oʻahu

Kaunakakai, Molokaʻi

Segment 2

S2A

S2B

Kahului, Maui

Mānele Harbor, Lānaʻi

Segment 3

Hilo, Hawaiʻi

**Hawaiian Islands
Fiber Link**

Hawaiian Islands Fiber Link: Connecting Communities

The Hawaiian Islands Fiber Link (HIFL) is a new infrastructure project to expand high-speed internet across Hawaiʻi. The project involves installing an underwater fiber cable system connecting the islands of Oʻahu, Hawaiʻi, Maui, Kauaʻi, Lānaʻi, and Molokaʻi.

Improving Access

HIFL will be open to all communication providers, meaning everyone will have the same chance to use this new, faster connection. This will help improve internet speed and reliability for everyone in Hawaiʻi.

Enhancing Reliability

Building HIFL will ensure that reliable internet is available statewide. This innovative infrastructure project will be an alternative to existing privately-owned interisland internet connections.
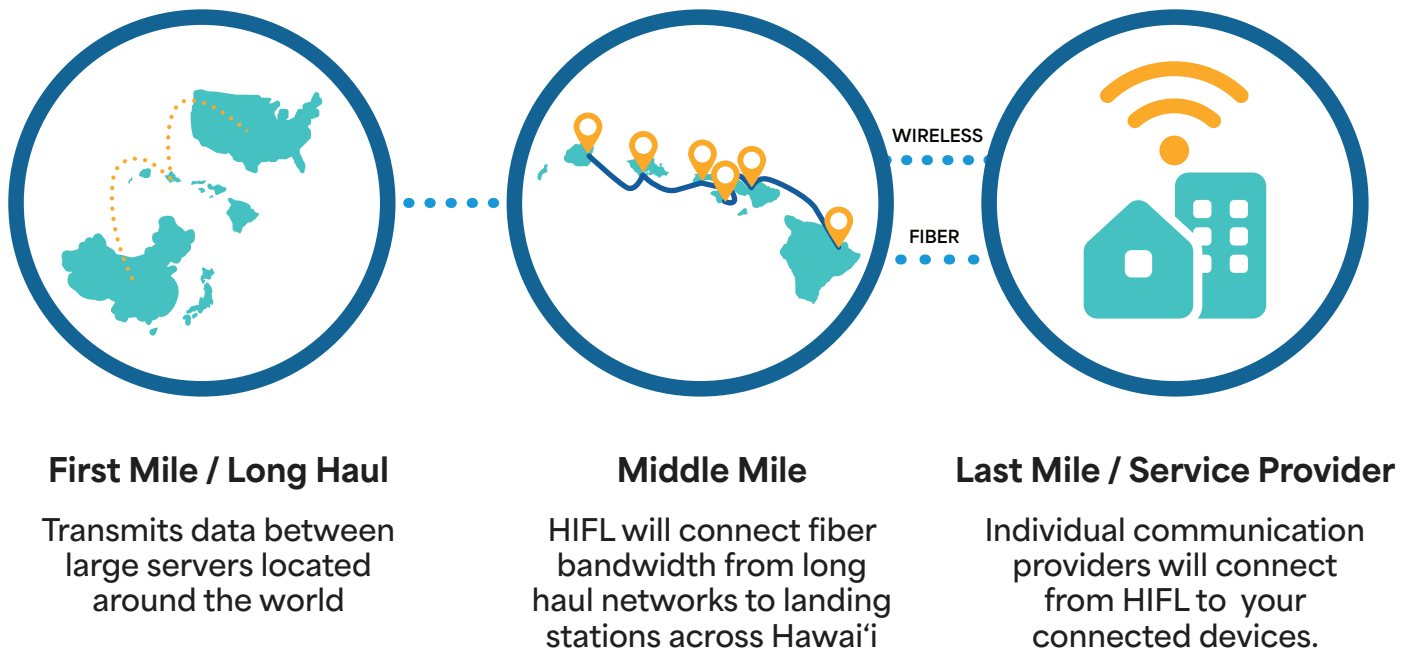
Environmentally Sound

The project team has carefully mapped the ocean floor and will use technology and staff to ensure that the cable will be laid in a way that protects the environment and wildlife.

Bridging the Middle Mile

HIFL will link large servers around the world to local communication providers in Hawaiʻi. These providers will then deliver faster and more reliable internet to homes, schools, and businesses.

- 5 cable segments between Kauaʻi and Hawaiʻi Island.

- Approximately 400 miles of cable – HIFL has mapped the ocean floor to ensure that the cable will avoid ecologically significant areas and minimize disruption.

- 6 landing sites, one on each island: Kauaʻi, Oʻahu, Molokaʻi, Lānaʻi, Maui and Hawaiʻi Island.

- HIFL is designed to operate for approximately 25 years, bolstering existing interisland fiber capacity.

WIRELESS

FIBER

First Mile / Long Haul

Transmits data between large servers located around the world

Middle Mile

HIFL will connect fiber bandwidth from long haul networks to landing stations across Hawaiʻi

Last Mile / Service Provider

Individual communication providers will connect from HIFL to your connected devices.

The Interisland Backbone of Connect Kākou

HIFL is a key part of the state's Connect Kākou initiative to ensure reliable, affordable access to high-speed internet for all residents. This initiative aims to build infrastructure to connect unconnected and underserved areas, with the goal of achieving universal access by 2030.

As a part of the Connect Kākou initiative, the HIFL project provides the "Middle Mile" backbone needed to connect the islands and enable high-speed internet access statewide. This infrastructure, combined with "Last Mile" connections that reach directly into communities, will empower local providers to deliver high-quality internet to homes, schools, and businesses across the islands.

OCEAN Networks

UNIVERSITY OF HAWAIʻI

CONNECT KĀKOU