

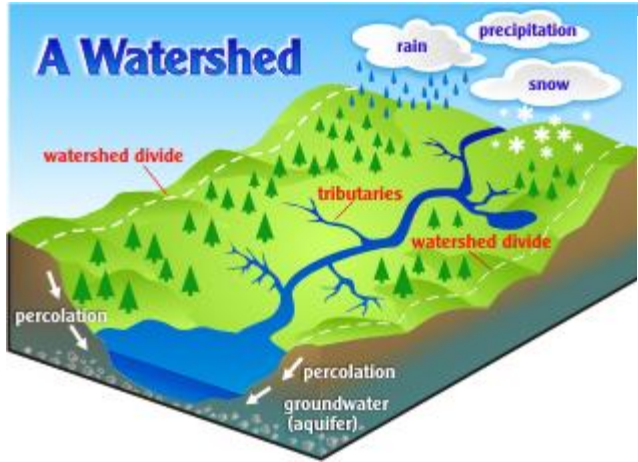


Hawaii Broadband

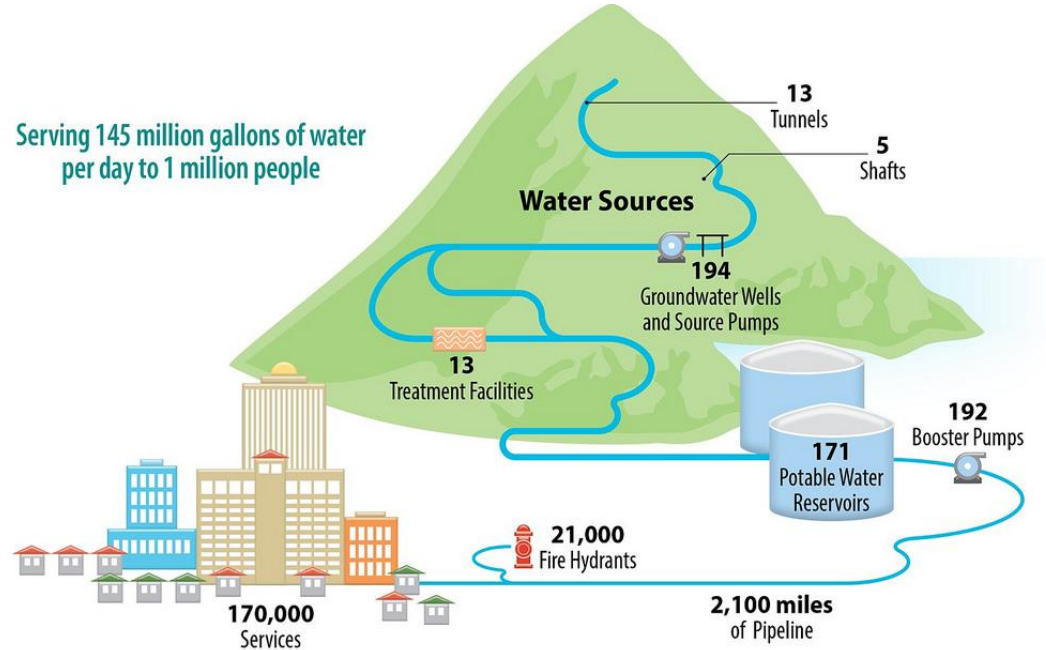
DBEDT 2020



'Ike Wai - To know water



Serving 145 million gallons of water per day to 1 million people



Hawaii Broadband Initiative



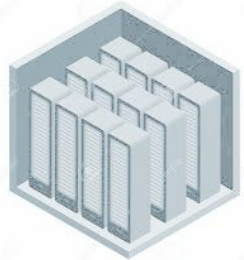
Mission

The mission of the **Hawaii Broadband Initiative is to ensure connectivity (subsea and terrestrial) to the global Internet is robust and resilient to create an international hub** for data transit and computing so that the availability of the cloud and essential broadband services is accessible to the residents and business throughout Hawaii, now and into the future.

Vision

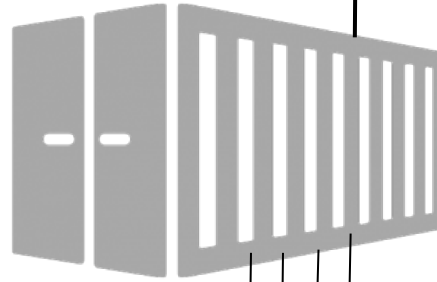
The vision of the **Hawaii Broadband Initiative is to establish Hawaii as a leader and forward thinker in enabling its citizens, businesses and international community with the communications infrastructure to be competitive in the global marketplace** and to thrive in the 21st century.

Cable Landing Station

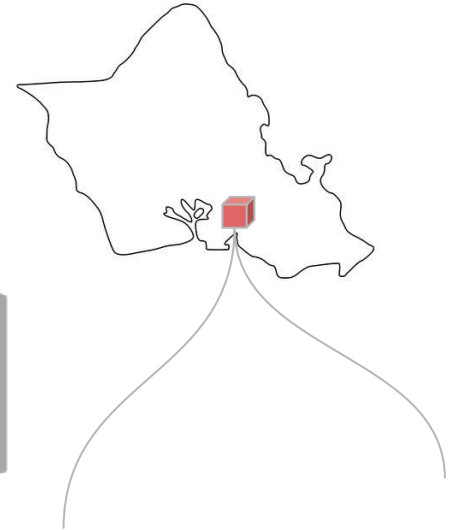


Data Center

Terrestrial Backhaul



Cable Landing Station



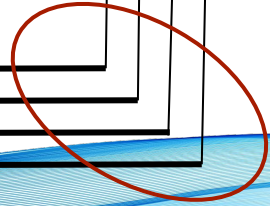
Transpacific submarine fiber

Undersea portion



4 - Horizontal Bores

Manhole

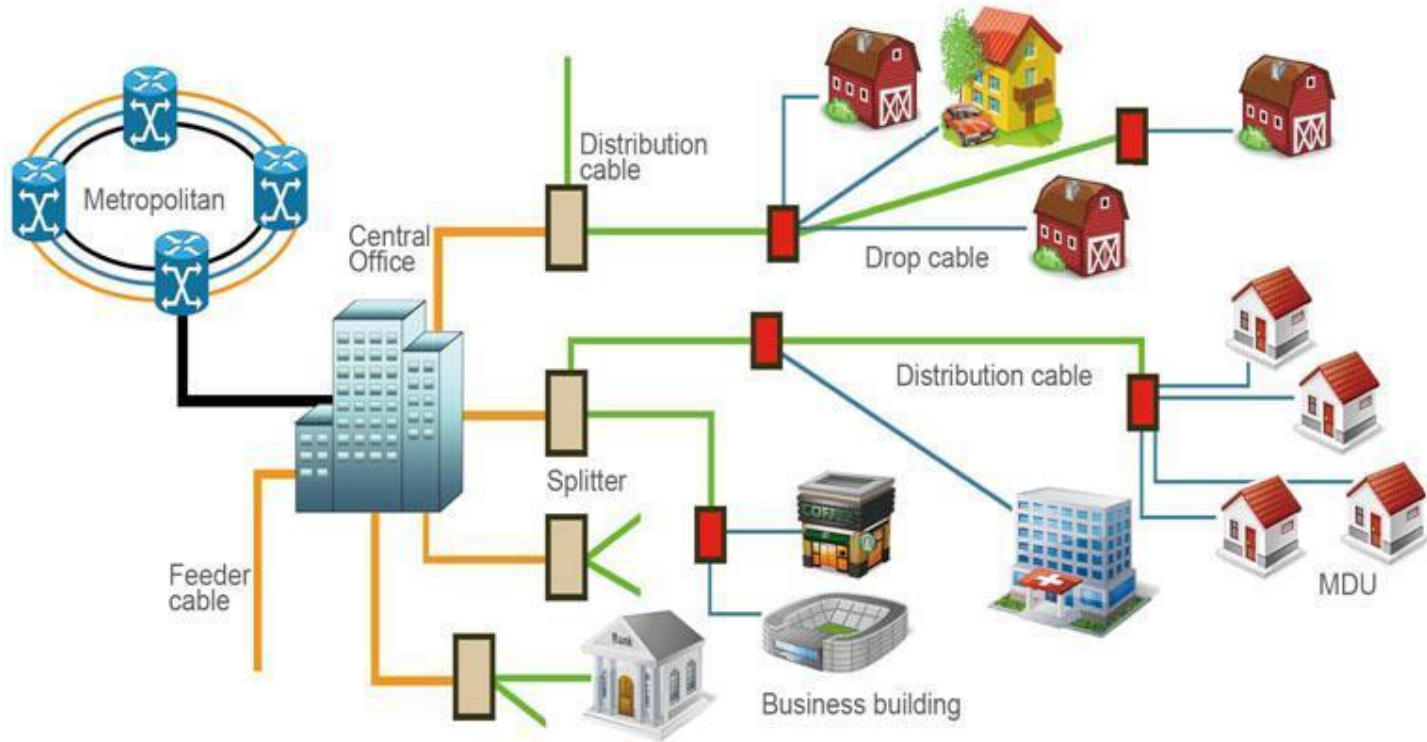


Terrestrial Backhaul

Fiber Optic Connectivity -
Fiber runs along rights of way in roads, guideways and along pole lines

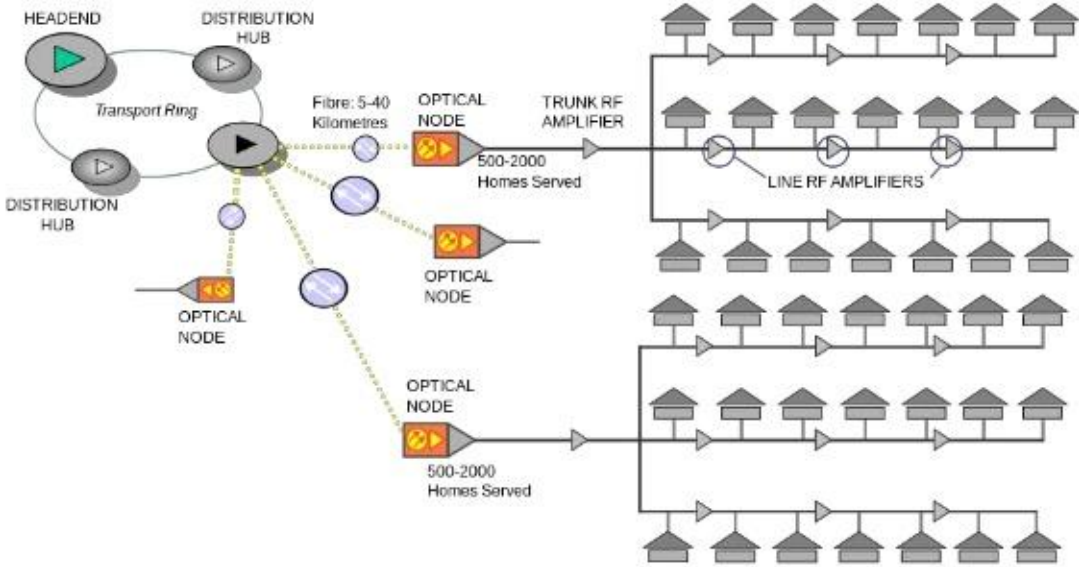


Telecom distribution



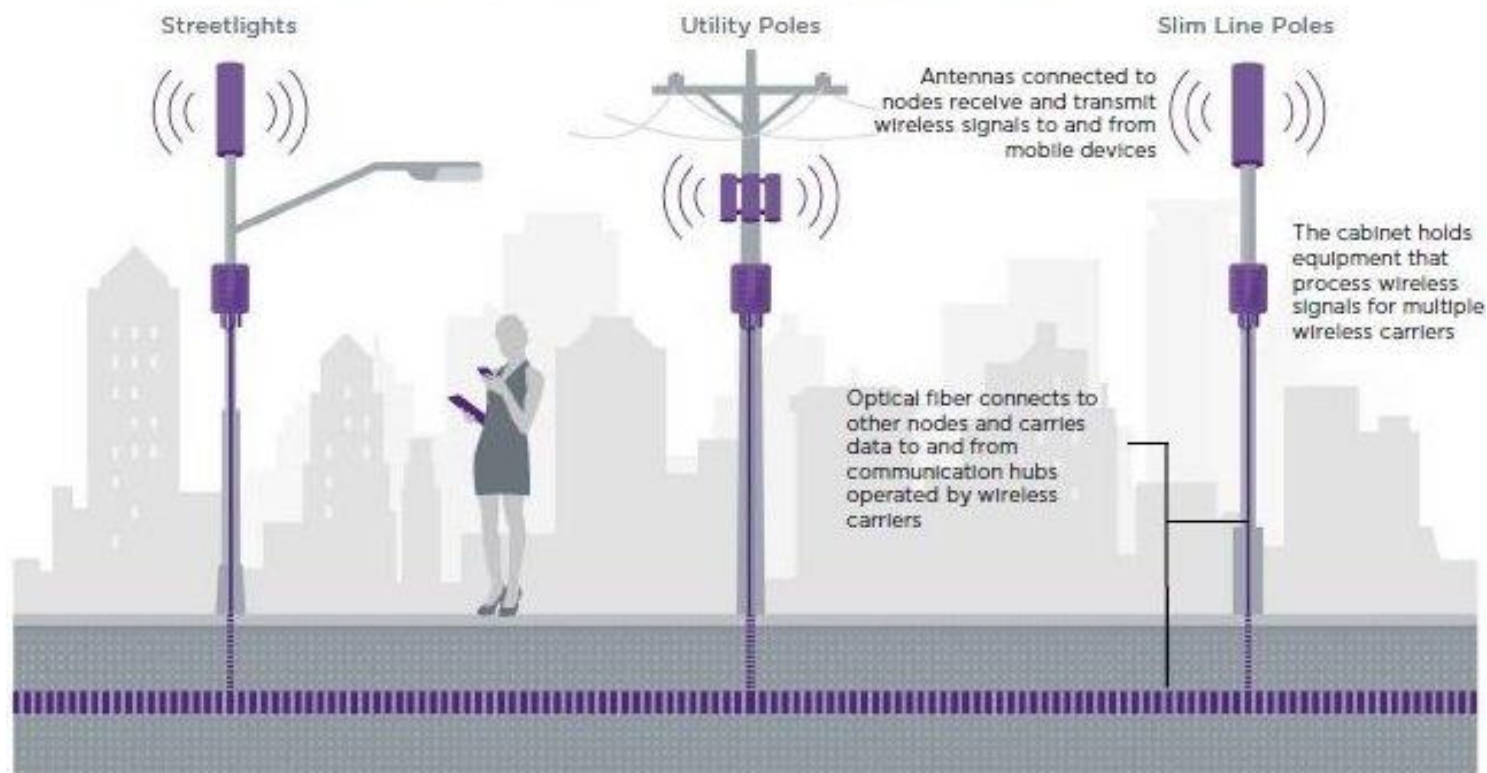
CATV distribution

Principle of operation



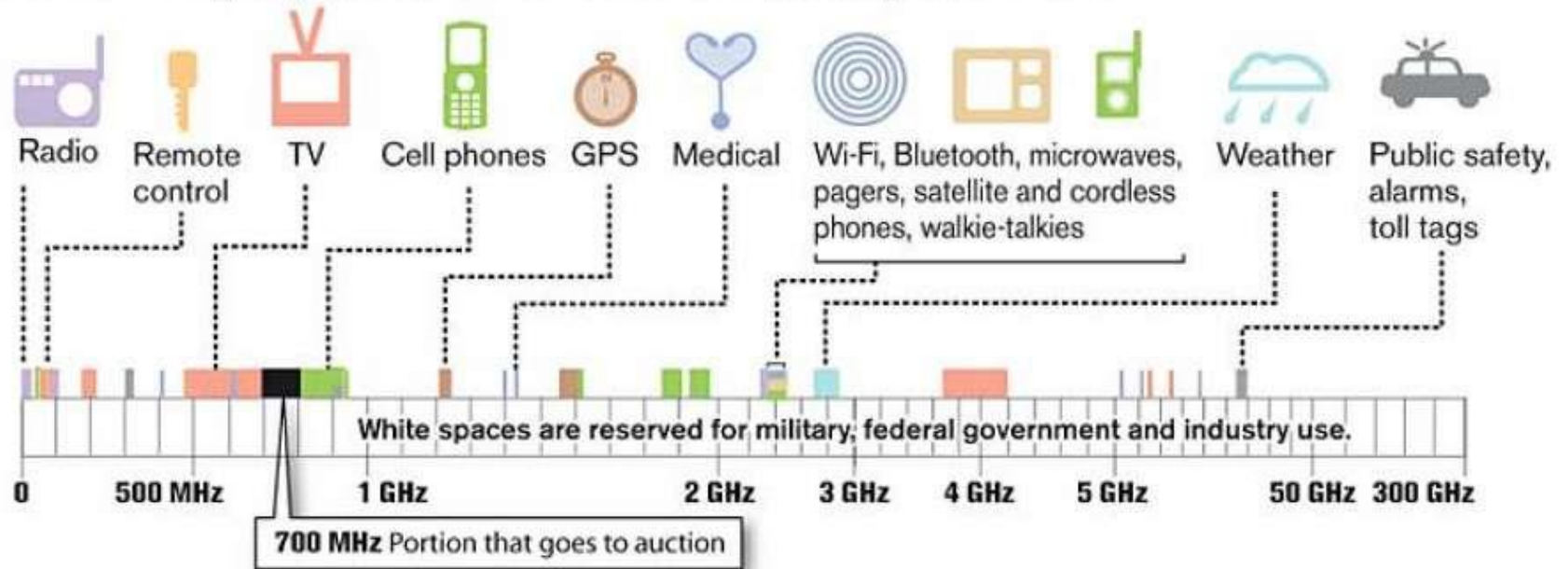
What Are Small Cell Deployments?

Small cell deployments are complementary to towers, adding much needed coverage and capacity to urban and residential areas, venues, and anywhere large crowds gather

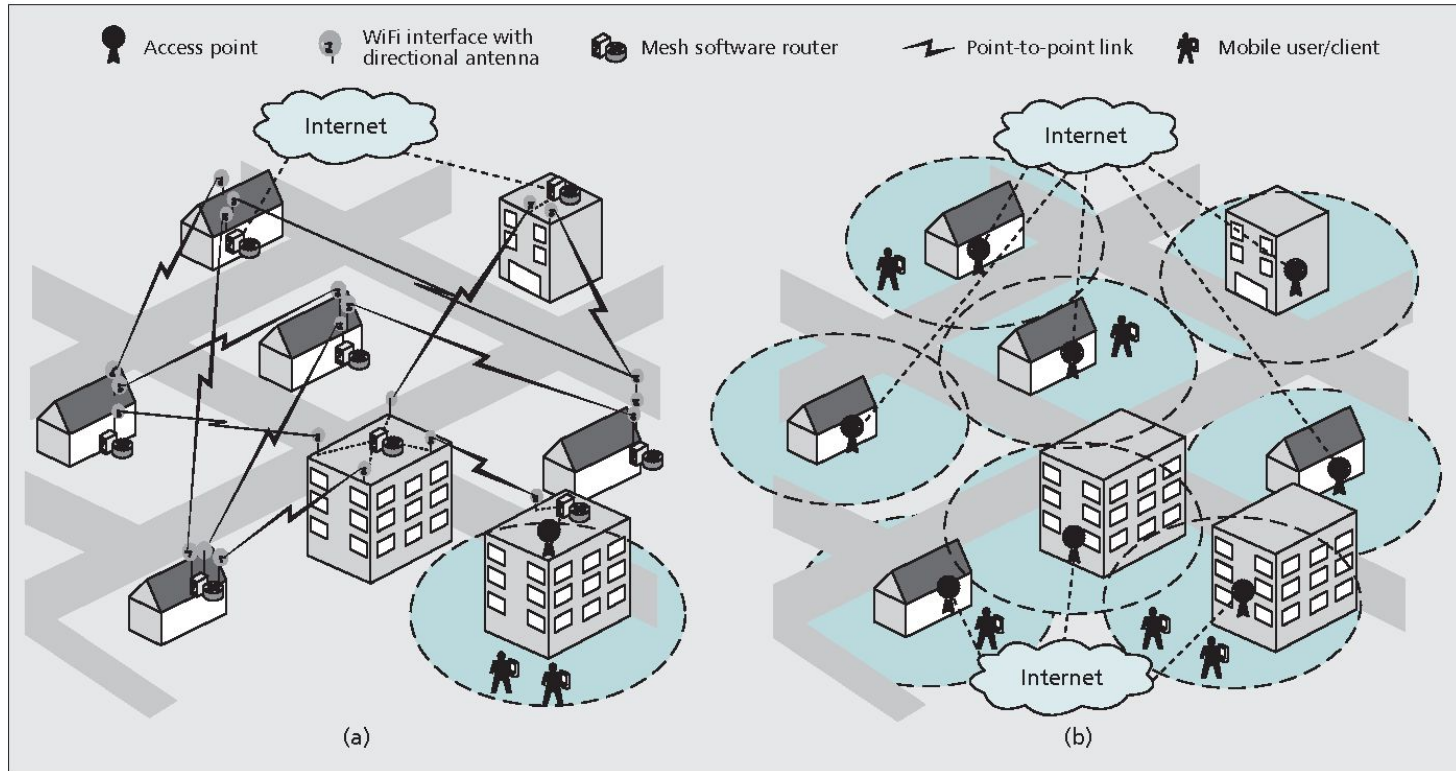


Wireless spectrum

Some everyday uses of the radio frequency spectrum



Rural Community Networks



Broadband Strategy 2020 - Beyond



Carrier Neutral Cable Landing Station (CLS) -

Help to reduce barrier to entry for trans-Pacific fiber optic cables landing in Hawaii.

Terrestrial Backhaul Connectivity -

Encourage cost competitive options for terrestrial backhaul prices.



Small Cell Deployment -

Support initiatives throughout the state to deploy small cell and wireless technologies.



Interisland Fiber -

Explore options to build a more robust, resilient inter-Island fiber network.



Rural Broadband -

Support funding opportunities for rural broadband and community network projects

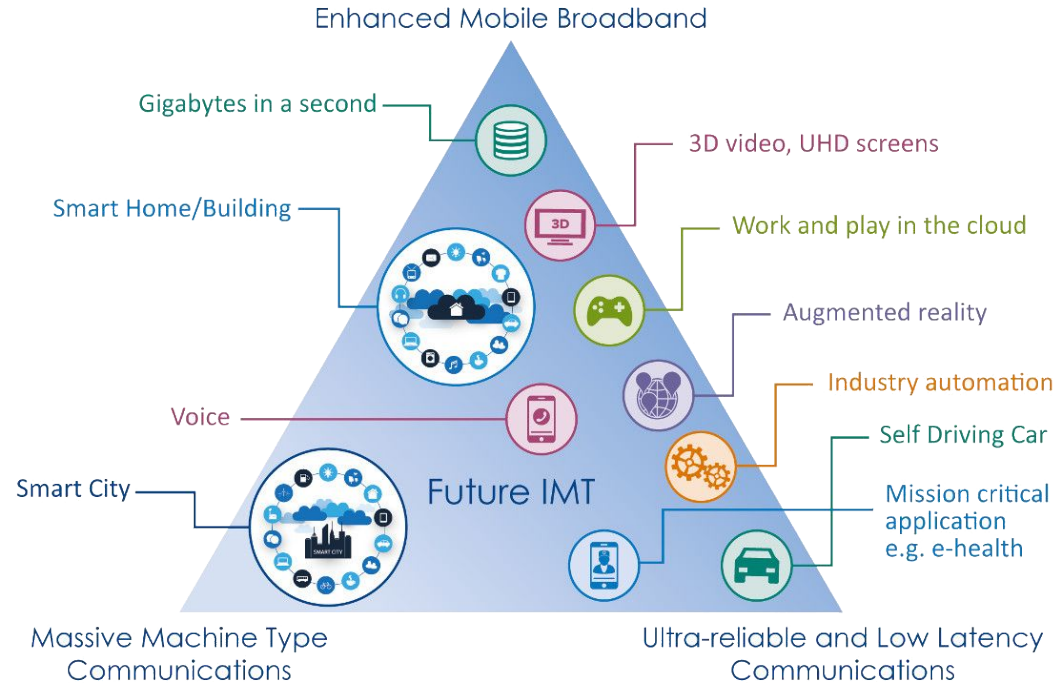
Connected Cities



The Growing Demand for Broadband

- Cloud
- Mobile
- AI / ML
- Edge / IoT

- Education
- Health
- Public Safety
- Agriculture
- Remote Work
- Entertainment



Pu'uhonua o Waimanalo

