



Project Sailfish
Transforming the USVI Through New Undersea Cables

Territorial Climate and Infrastructure Workshop
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Project Sailfish Objective

Lay public undersea cables, connecting the USVI and US mainland in order to:

Provide territory resiliency

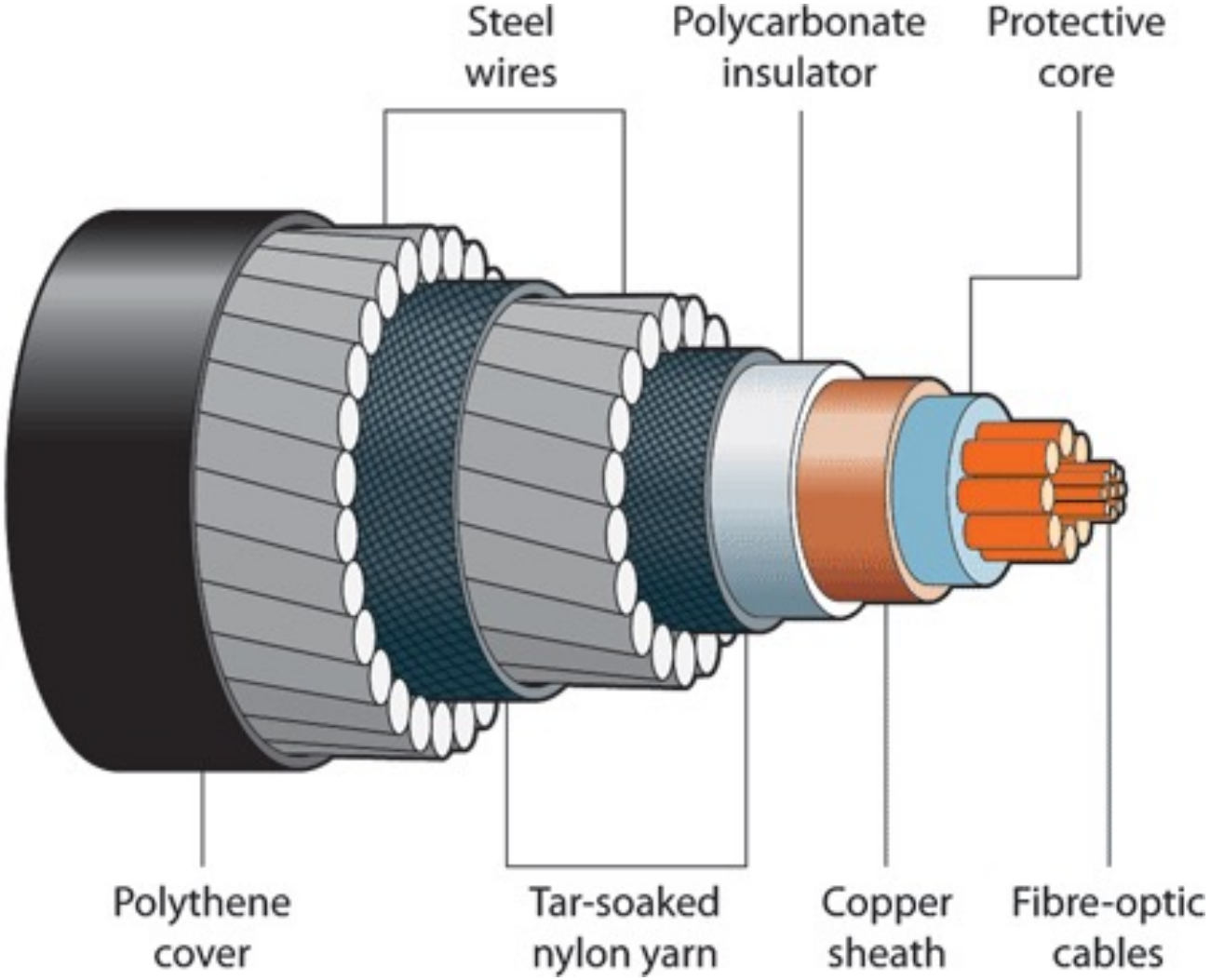


Establish digital sovereignty

Completely control infrastructure

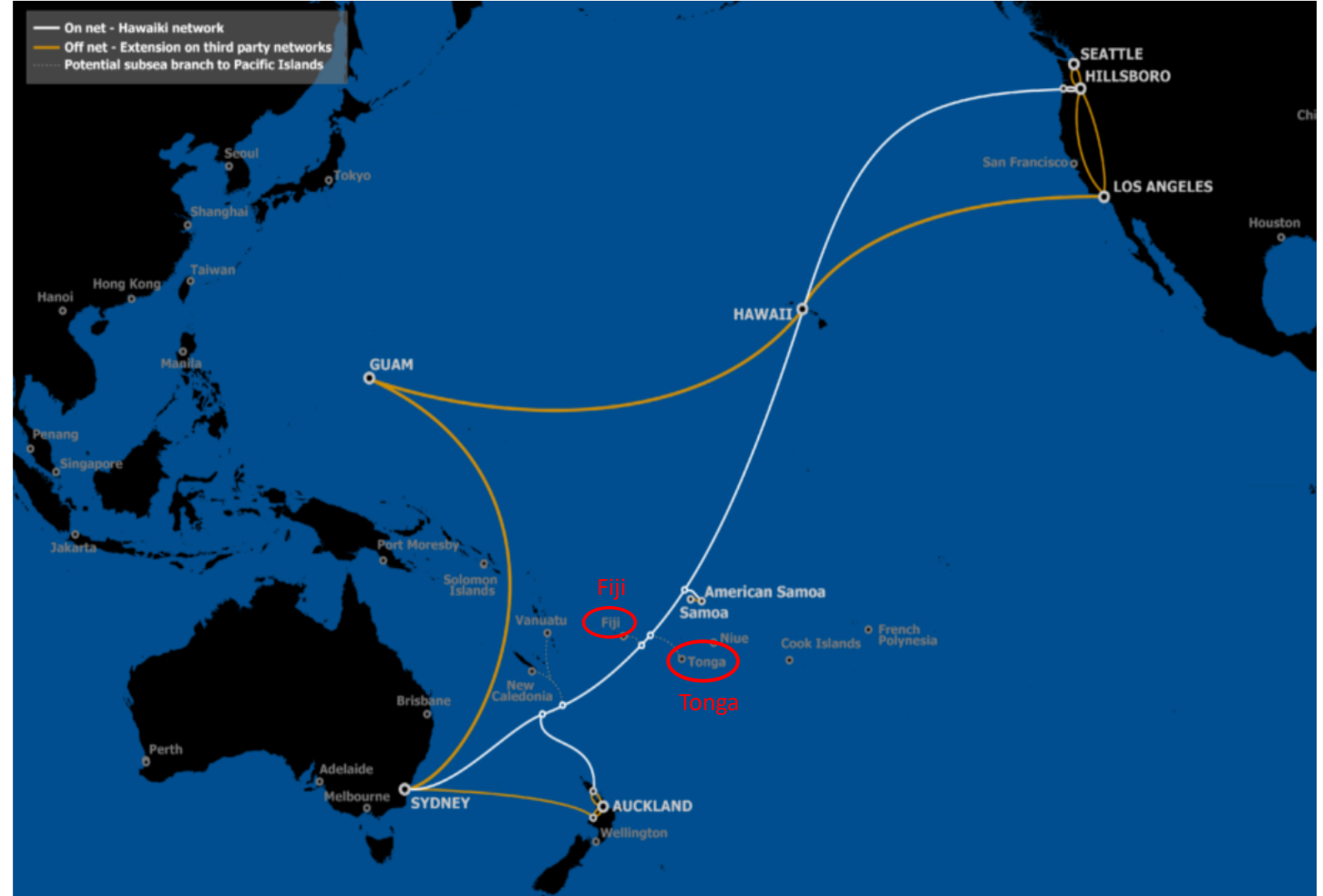
Spawn economic development

Undersea Cable Components



Tonga's Internet Catastrophe

Tonga's February volcanic eruption and following tsunami severed the island's 514-mile undersea cable to Fiji, plunging its 105,000 inhabitants into digital darkness for 5 weeks.

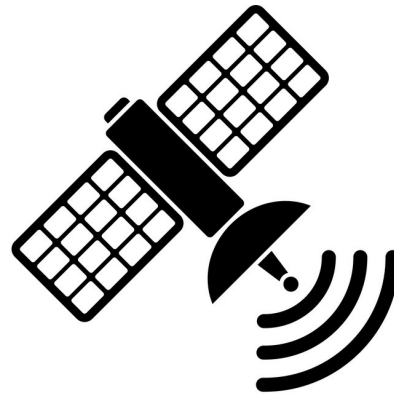


USVI Internet Vulnerability

The USVI is in an active hurricane, tsunami, and earthquake zone, any of which could sever the territory's aging undersea cables.

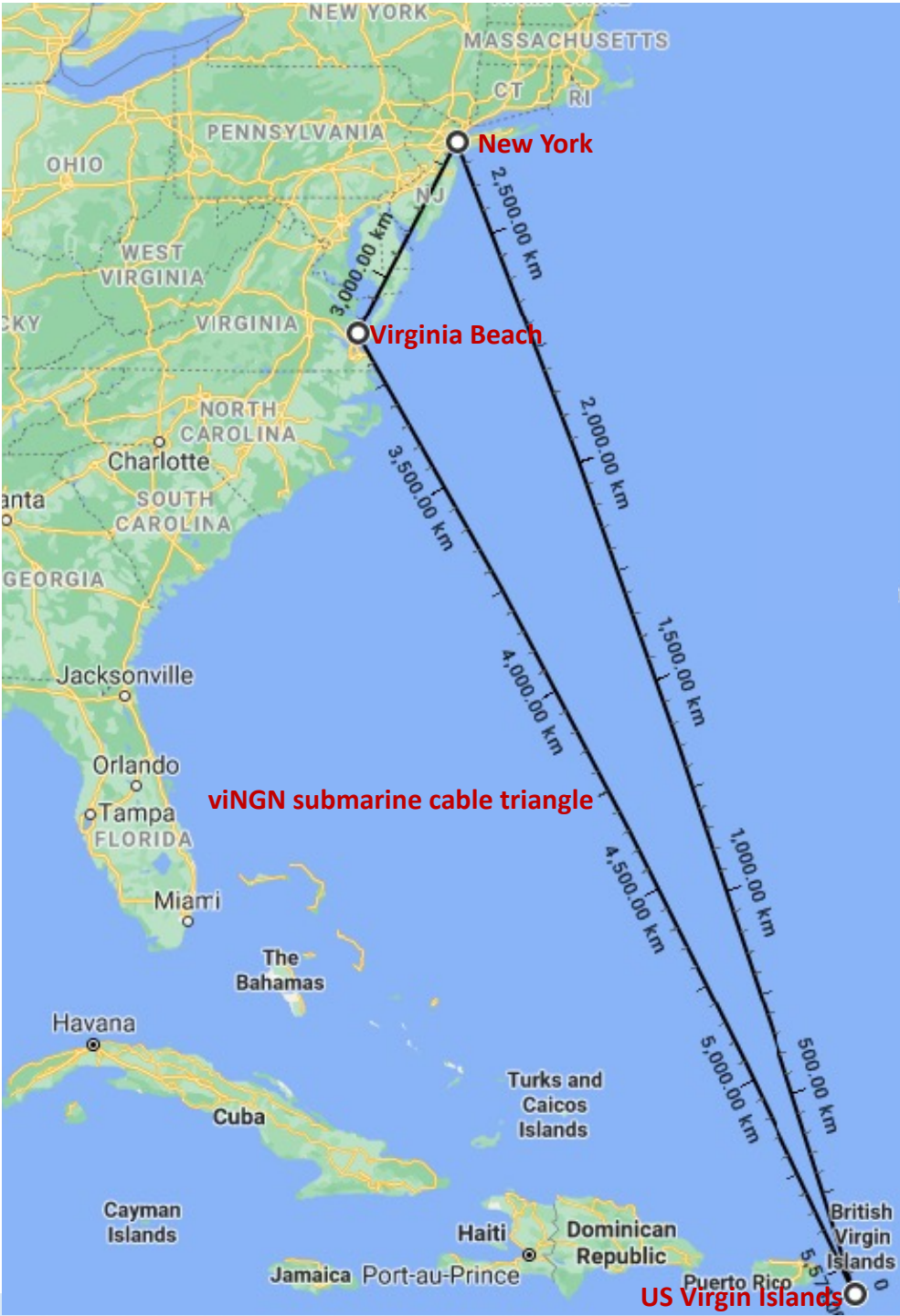


Satellite Internet Susceptibility



The Cybersecurity and Infrastructure Security Agency (CISA) and the Federal Bureau of Investigation (FBI) are aware of possible threats to U.S. and international satellite communication (SATCOM) networks. Successful intrusions into SATCOM networks could create risk in SATCOM network providers' customer environments.

March 17, 2022



Project Sailfish Proposition

Project goal

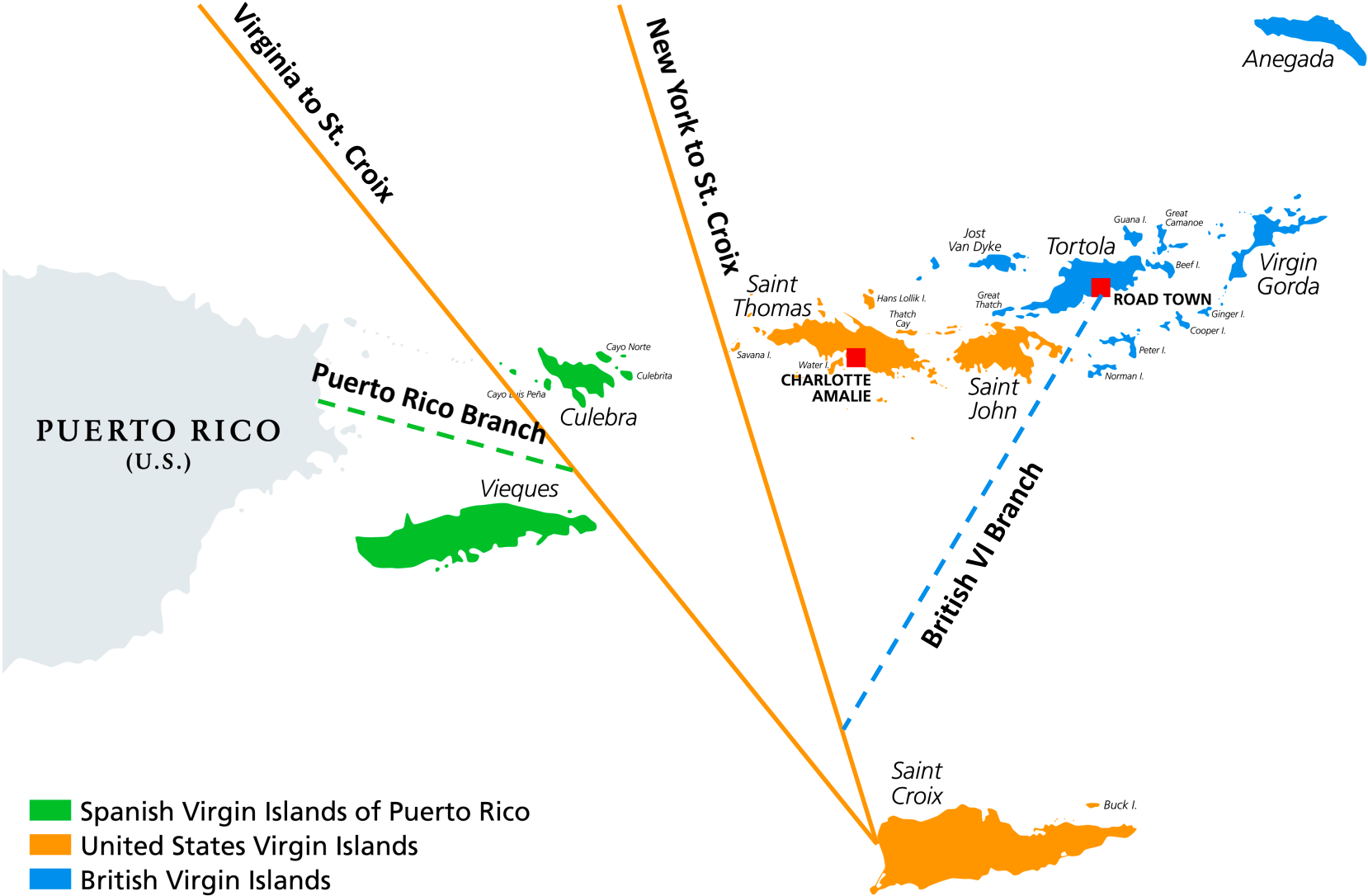
Lay redundant undersea cables between St. Croix, Virginia Beach, and New York as well as between these mainland landings in order to provide the resiliency and digital sovereignty to the USVI in anticipation of increased bandwidth utilization and more frequent natural disasters.

By the numbers

- 3,869 miles of redundant submarine cable
- 18-month start to end project execution estimated
- 24 fiber pairs repeaterless interlink cable network
- \$174 million estimated total build cost
- \$178 million estimated annual software maintenance

Undersea Cable Branches

Undersea cable branch to Puerto Rico provides additional resiliency, whereas British VI branch presents economic development opportunities



Broadband Expansion Projects

Free symmetrical 100 Mbps Internet connectivity in every public housing unit



Free community WiFi deployment throughout territory in common places



Commercial data center for digital sovereignty and economic development



[A detailed presentation of this strategy is available.](#)

Project Management Preparedness



viNGN has the expertise to independently execute the delivery of Project Sailfish

- Oversaw the design and construction of land and interisland undersea fiber optic network
- Managed the daily operations of land and undersea network independently for over a decade
- Built existing land and undersea network on time and within budget of project scope
- Passed post construction federal audit with no rule violation or corrective action incident

Good Grant Steward



viNGN has a proven track record of being a good steward of Federal grants

- Received ARRA and BTOP grants totaling some \$110 million which built existing network
- Managed over \$10 million in FEMA projects to rebuild and mitigate network post 2017 hurricanes
- Awarded \$25 million from NTIA from Infrastructure Investment and Jobs Act
- Deployed best practice procurement processes and procedures within federal guidelines

