



**Project Sailfish**  
**Transforming the USVI Through New Undersea Cables**

**Territorial Climate and Infrastructure Workshop**  
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Stephan Adams  
CEO  
viNGN, Inc.

[sadams@vingn.com](mailto:sadams@vingn.com)

## **Project Sailfish Objective**

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

**Provide territory resiliency**

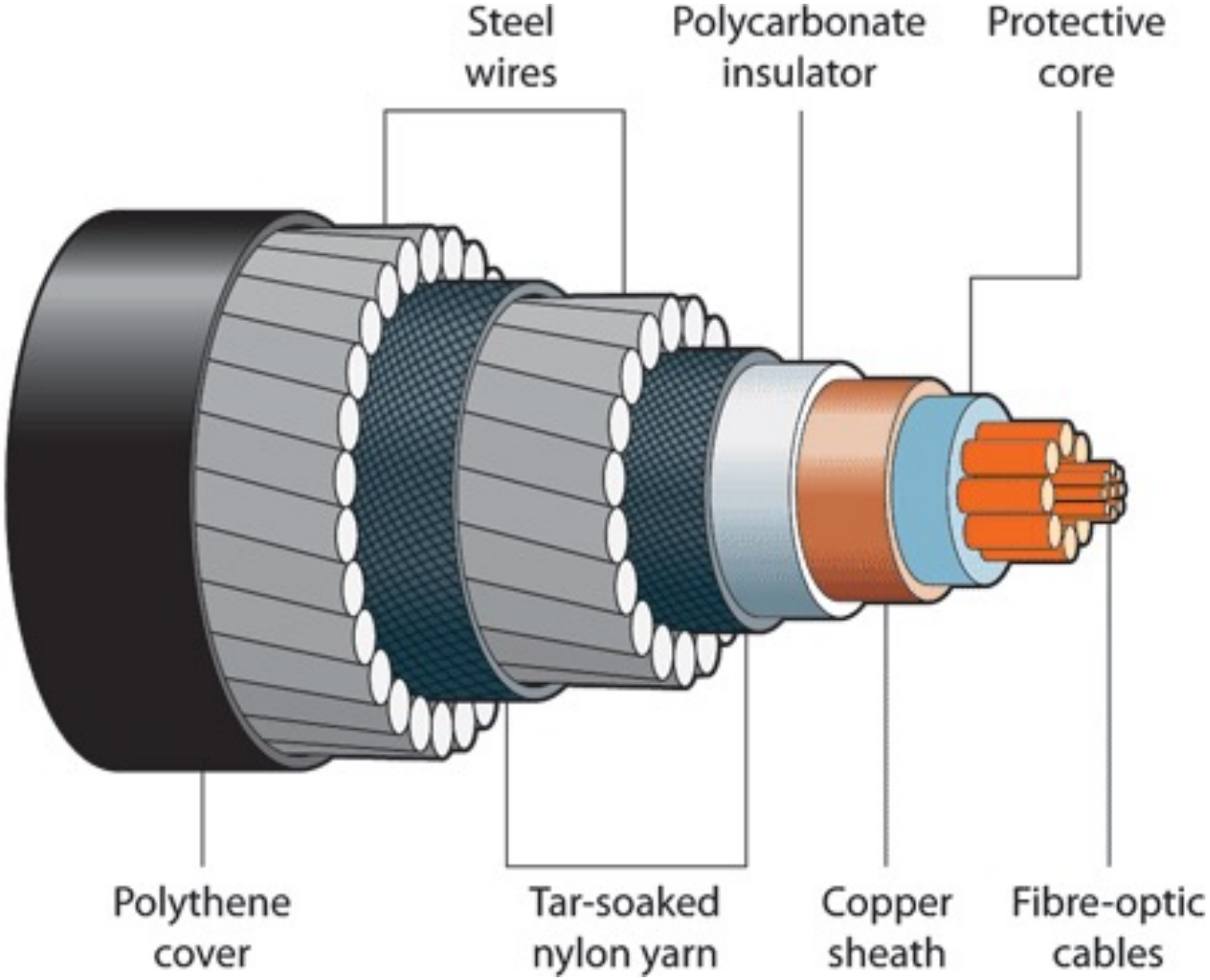


**Establish digital sovereignty**

**Completely control infrastructure**

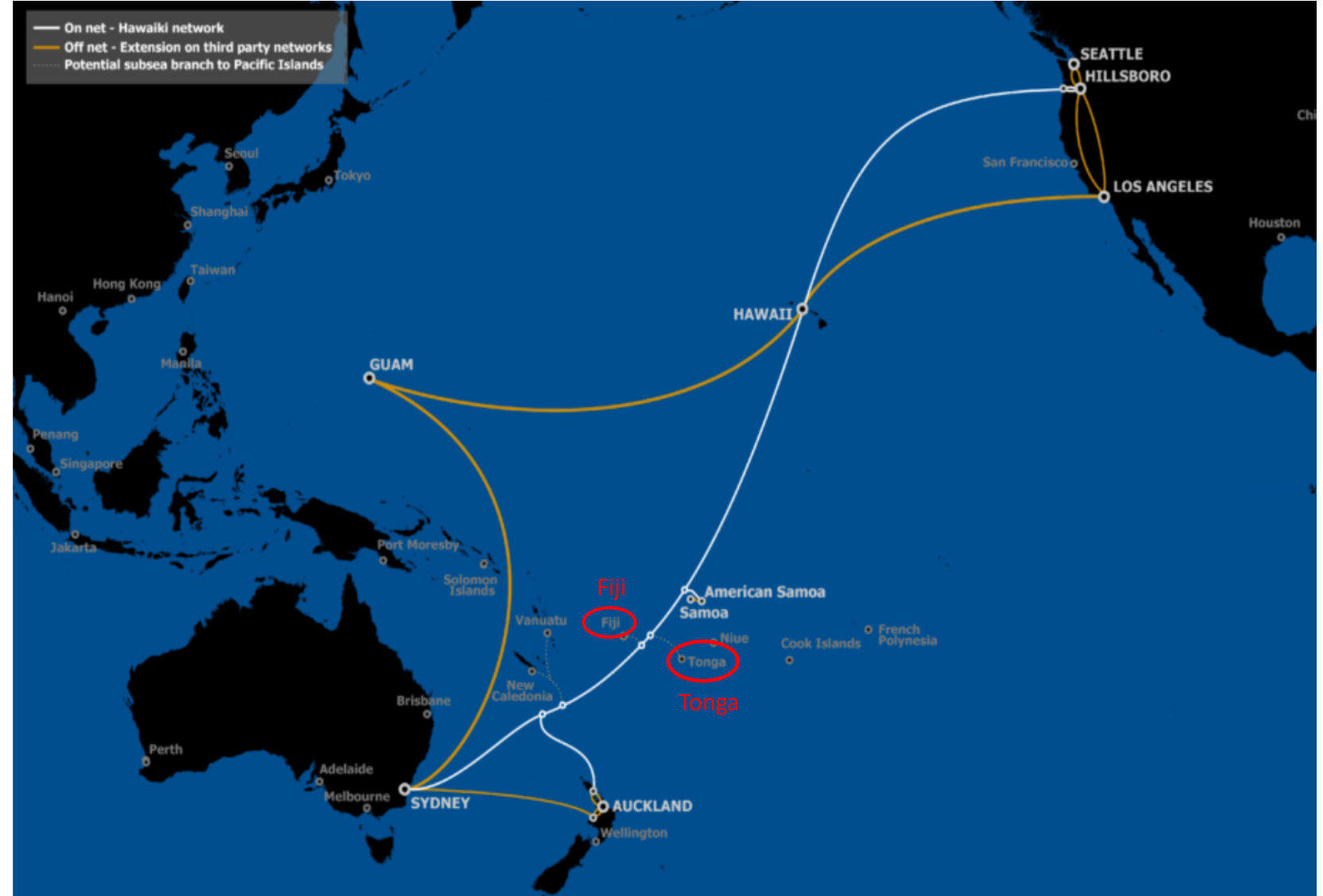
**Spawn economic development**

# 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.

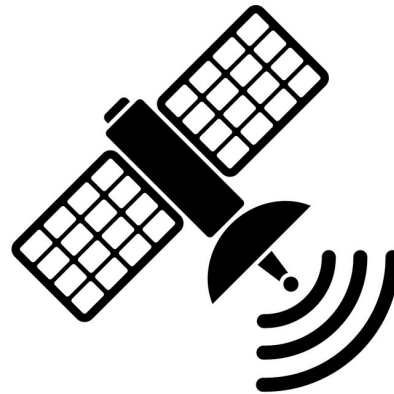


# USVI Internet Vulnerability

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



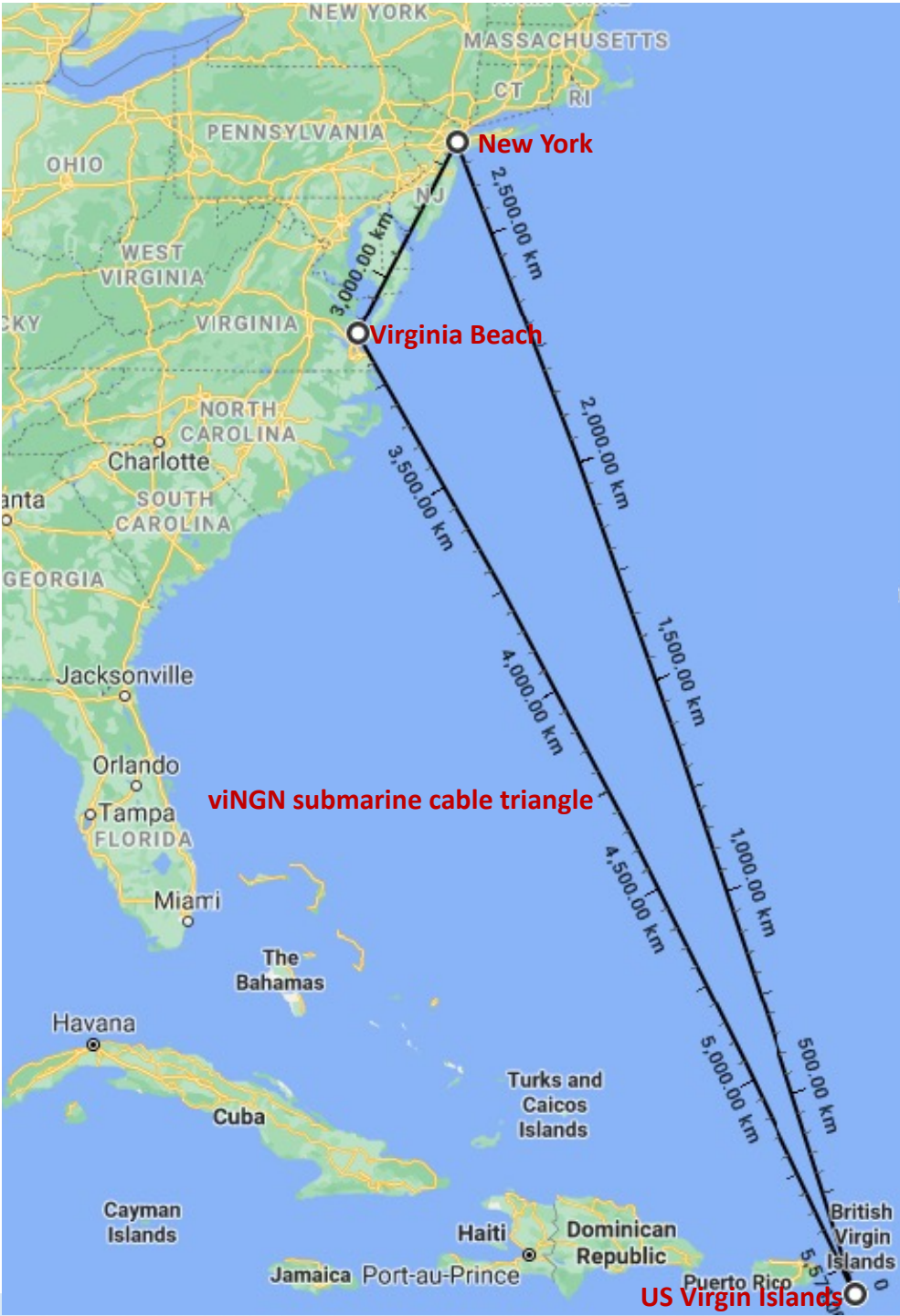
# Satellite Internet Susceptibility



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

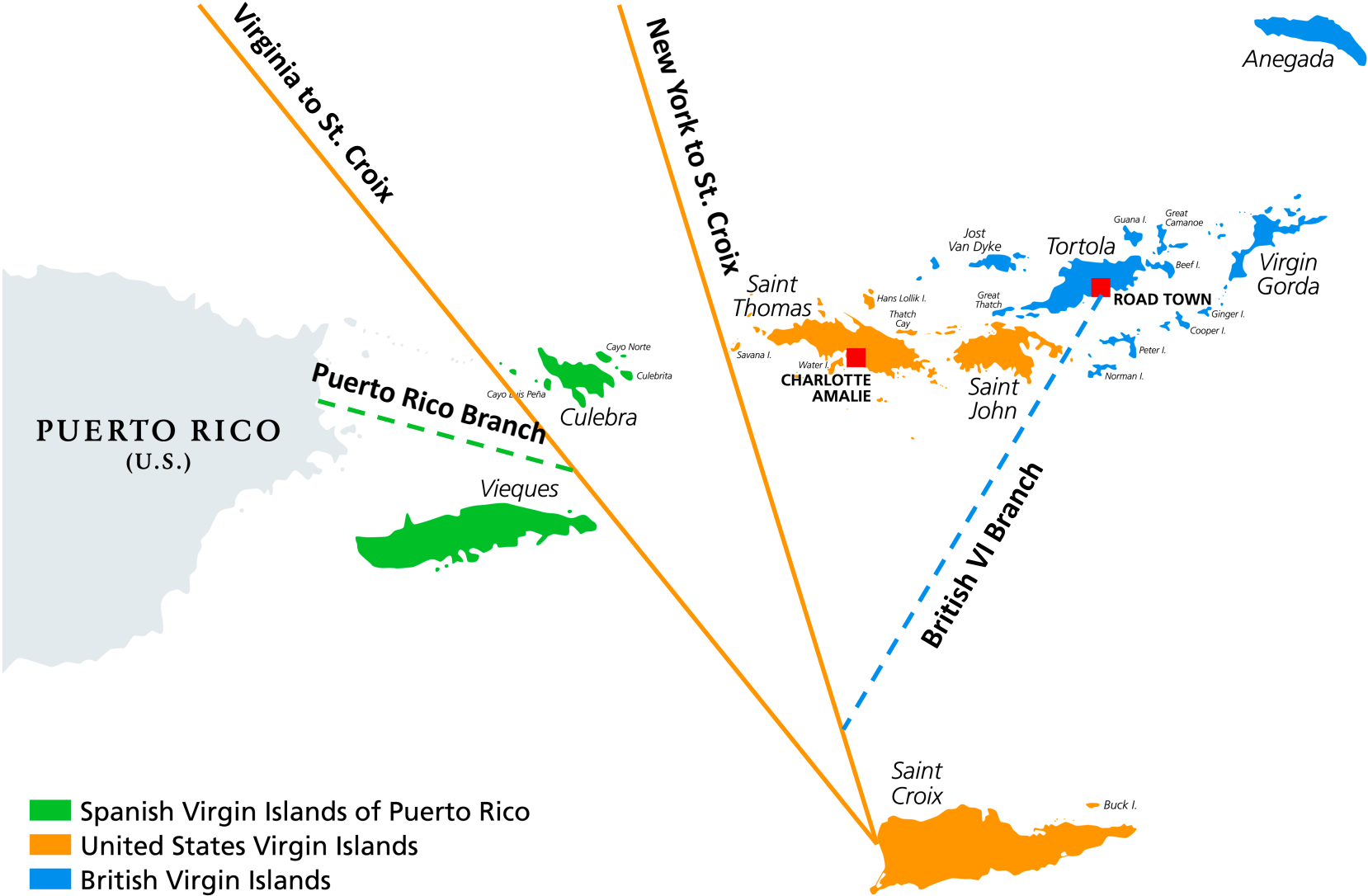
Lay redundant undersea cables between St. Croix, Virginia Beach, and New York as well as between these mainland landings in order to provide the resiliency and digital sovereignty to the USVI in anticipation of increased bandwidth utilization and more frequent natural disasters.

## By the numbers

- 3,869 miles of redundant submarine cable route
- 24 fiber pairs repeaterless interlink cable network
- 18-month estimated start to end project execution estimated
- \$173,878,253 budgetary build price quotation
- \$179,500 annual contractual 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 syncious 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

