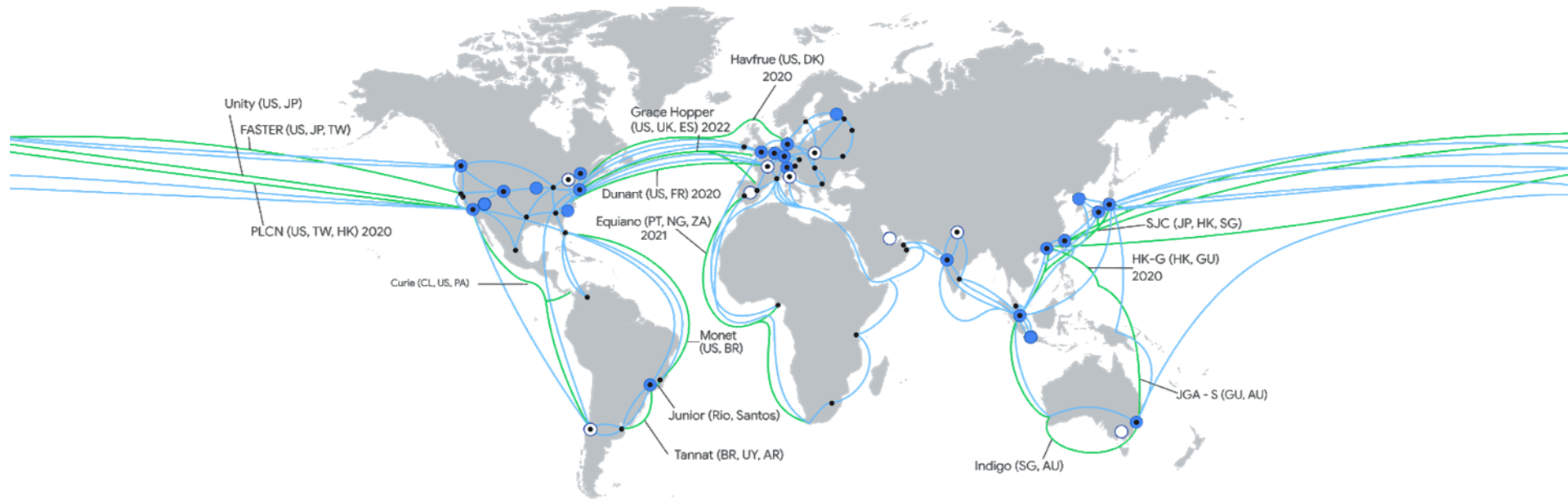


Google's Submarine Cables: Stepping Up To Society's Future

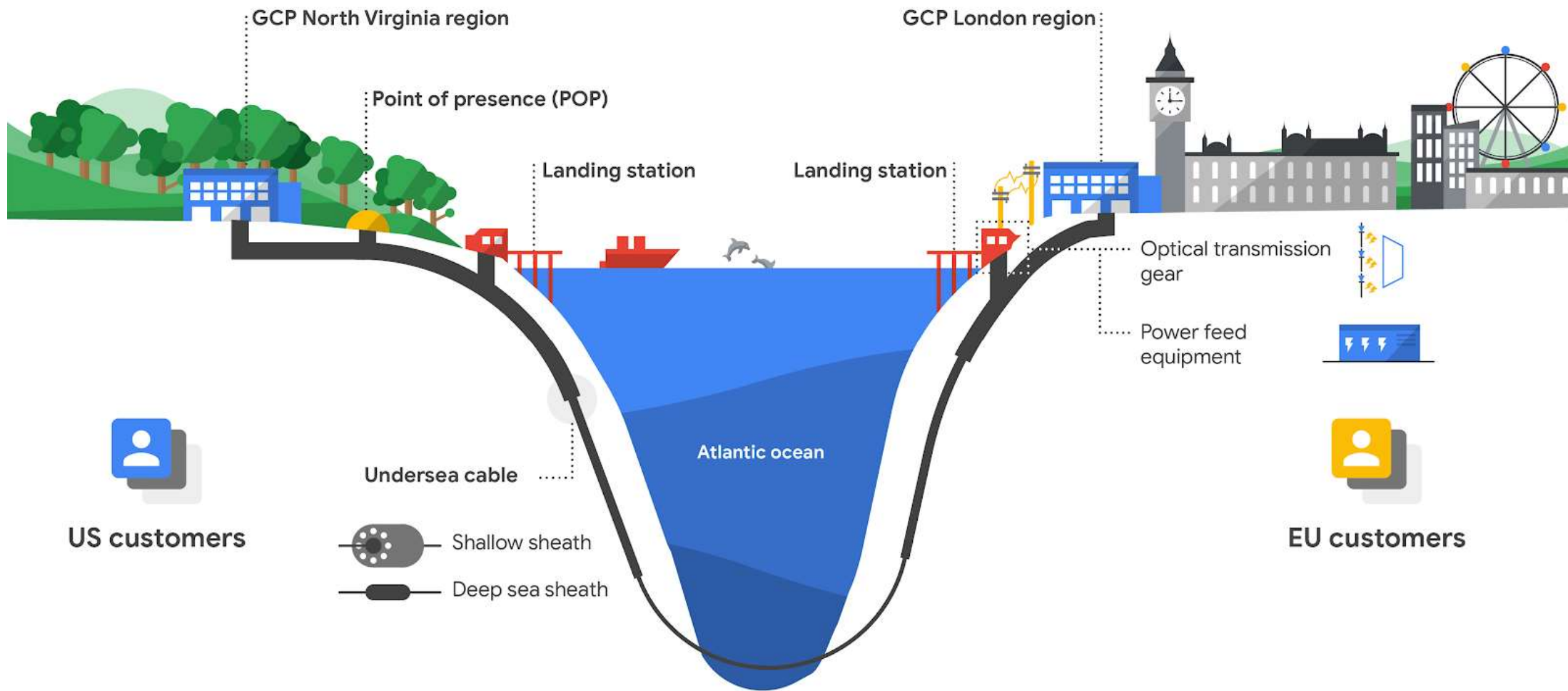
Google subsea
Infrastructure



Jayne Stowell
Google Global Submarine Networks

4 August 2021

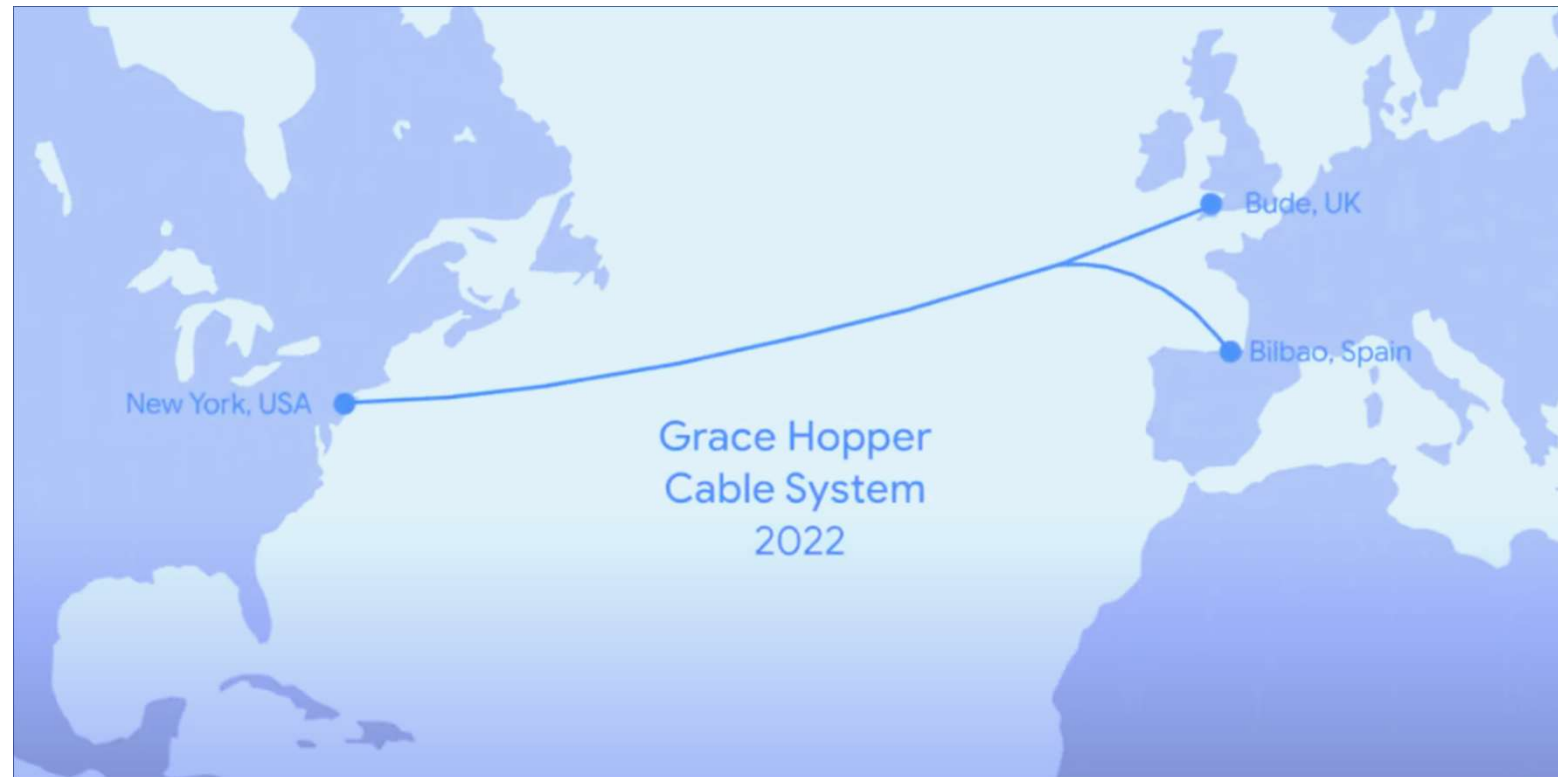
Submarine Cable Components



Grace Hopper Cable System

RFS: 2022

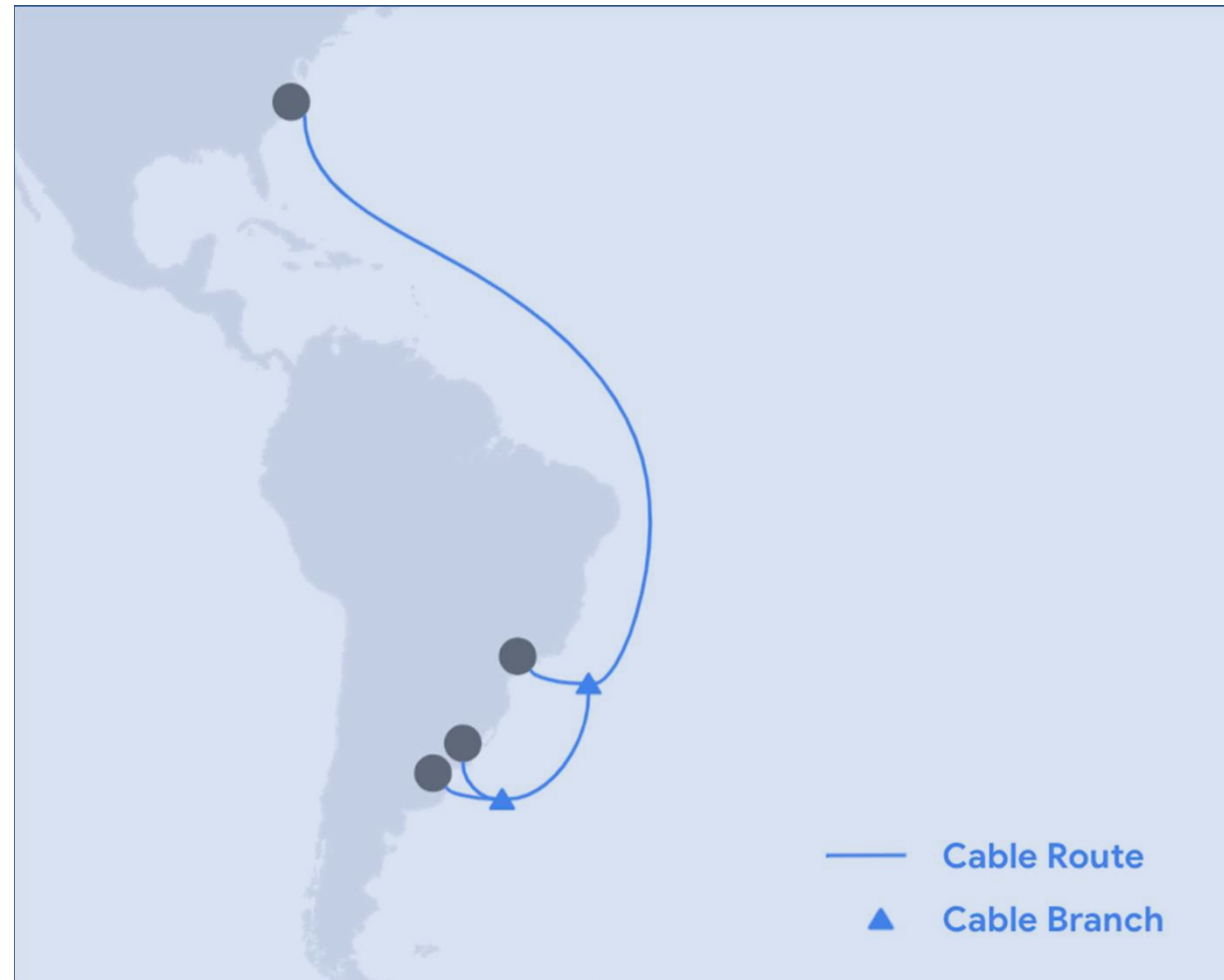
16 Fiber Pairs



Firmina Cable System

RFS: 2023

12 Fiber Pairs



Equiano Cable System

RFS: 2022

12 Fiber Pairs



Economic Impact

Increase in GDP and economic growth

- Copenhagen Economics example: Portugal's potential long term impact could be up to \$500M higher GDP per year from new Equiano and Ellalink connection
- Analysis Mason findings: Google's net investment in APAC region led to 1.1M additional jobs in region and over \$430B in aggregated GDP in region from 2010-2019

Direct and indirect job creation

Positive trade effects

Improved productivity through online collaboration tools and video links/reduced cost of bandwidth

Foreign direct investment rises

Security through network robustness and resilience

Societal Impact

Healthcare

Education

Home working

Government/citizen online communication and access

Video streaming entertainment and communication

Online shopping