



Leading provider of GIG-E Broadband
Networks in Alaska

CARRIER OF CARRIERS AND TERRESTRIAL BROADBAND

Presented by: Mac McHale

QUINTILLION SUBSEA SYSTEM

1

In Service

Serves North America's largest oil and gas fields at Prudhoe Bay

- Spans from Nome to Prudhoe Bay
- 1,182 miles of fiber
- 3 pair - 10TB system
- 6 cable landing stations

2

In Development

Improves route diversity, reduces latency, and establishes a high-capacity Alaskan gateway to Asia

- Extends from Washington State to Japan
- Connects Alaska to Washington State

3

Planned

Establishes an Alaskan gateway to Europe

- Connects Alaska to Canada
- Extends from Canada to Greenland and on to London



QUINTILLION TERRESTRIAL SYSTEMS



505 miles of terrestrial
fiber along the Dalton
Highway Corridor



Serves North
America's largest
oil and gas fields at
Prudhoe Bay



High capacity, low
latency, accessible,
and available

WHOLESALE GIG-E BROADBAND SERVICE

1

Interconnect
with incumbent
telecom
providers in
each landing
station

2

30Tbps
capacity on
Phase 1
fiber systems

3

Available capacity
and speed ideal
for commercial,
government, and
national security
needs

4

Established
relationships with
Alaska-based
carriers, Native
corporations
serving federal
agencies, and
major commercial
clients



Today, only one dominant player exists in the billion-dollar global market for ground station and earth observation services



50% of the business is from the US Government and private sector



Quintillion can offer more robust services at lower cost, on US soil and on US-owned and operated fiber infrastructure beginning Q1 2021

ALASKA AS A GATEWAY TO THE ARCTIC



Broadband connectivity is the necessary underpinning to a modern Arctic defense infrastructure.

The *Why Arctic Matters* report makes clear — and we need to reiterate it to our state legislator — how crucial it is to develop a strategic Arctic vision.

- Quintillion's Phase I infrastructure is an important segment of the foundation for the US Arctic's telecom future
 - More needs to be done...International expansion and Satellite ground stations specifically
 - Alaska will be the US Arctic gateway and fulcrum between Asia, Europe and space
- Support the US defense position and future economic development, all while supporting local Alaskan communities.

CONCLUSION- IN, OUT, AND UP

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- Working proactively with local access network service providers to deliver USAC-funded services to schools, libraries, hospitals, and clinics
 - Pursuing ways to propagate our broadband system inland to serve frontier communities
 - Establishing relationships with wireless ISPs to innovate and distribute broadband using a variety of wireless technologies
 - Enable Interconnection between Asia and Europe through the US Arctic
 - Establishing a Quintillion Ground Station and Earth Observation Services site in Utqiagvik ...Testing starts in December 2020 and service availability in January 2021

LEADERSHIP



GEORGE M. TRONSRUE
Chief Executive Officer



MICHAEL "MAC" MCHALE
Chief Revenue Officer



GENERAL (RET.)
JOHN F. CAMPBELL
Special Counselor to the Board



GENERAL (RET.)
CHARLES H. JACOBY, JR.
Senior Strategic Advisor



Decades of telecommunications and data center design, engineering, construction, and operating experience



**Active DoD Security
Clearances**



Thank you

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