



# Skyloom

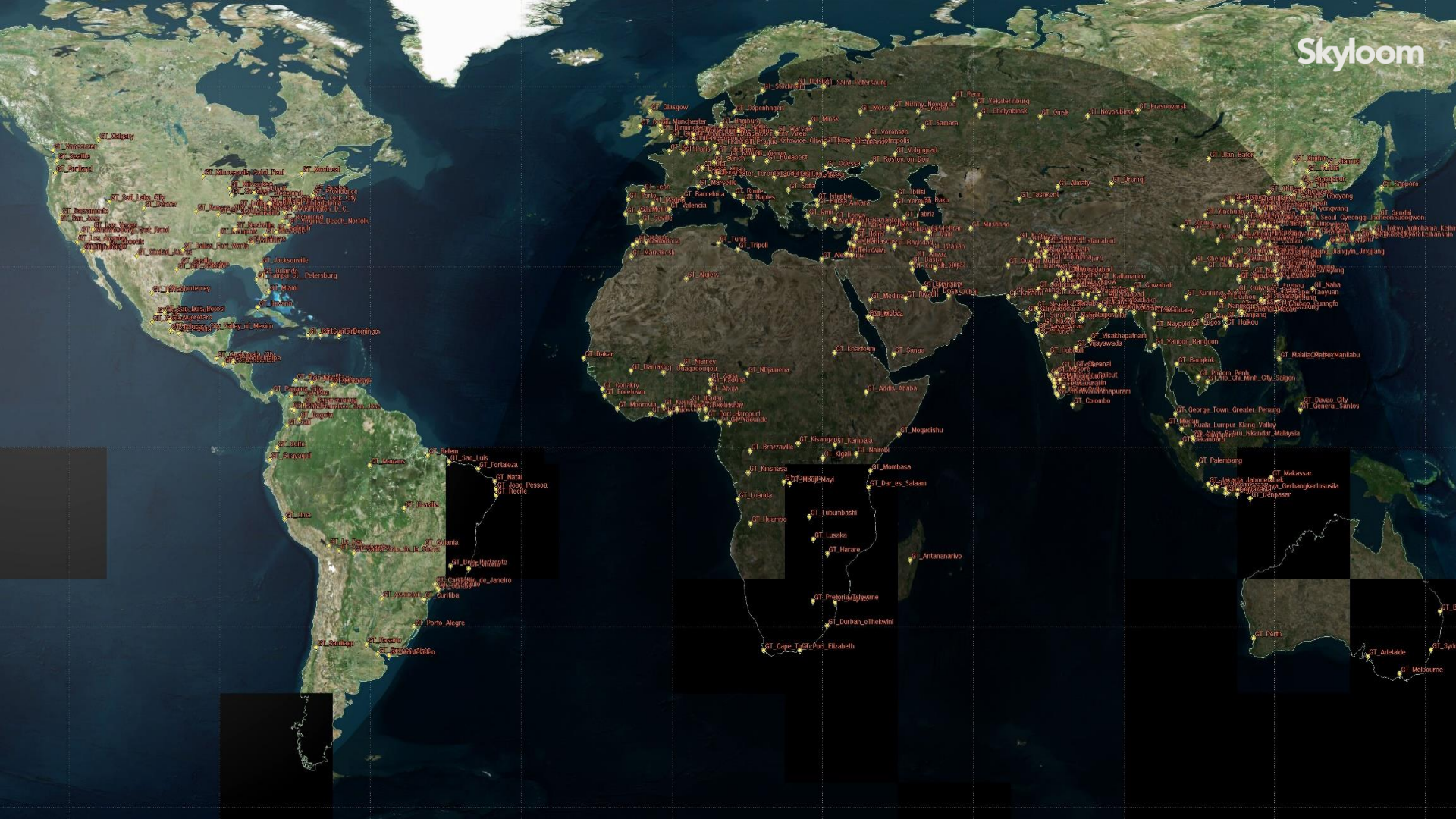
An Optical Communications Company


Smallsat Symposium

February 2020

San Francisco Bay Area

USA





# We are at the brink of becoming a true planetary society

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In the next decade, our generation will connect the world and carefully monitor all its resources in ways previously unimagined.

...and it will be accomplished by employing thousands of orbiting satellites.

The Opportunity

# Who will provide backhaul in this new orbital age?



# Skyloom is deploying the first fully optical data transfer network in Space

Skyloom's  
**Relay** Satellite  
(geostationary orbit)

Customer's  
**Internet** Satellite

Skyloom

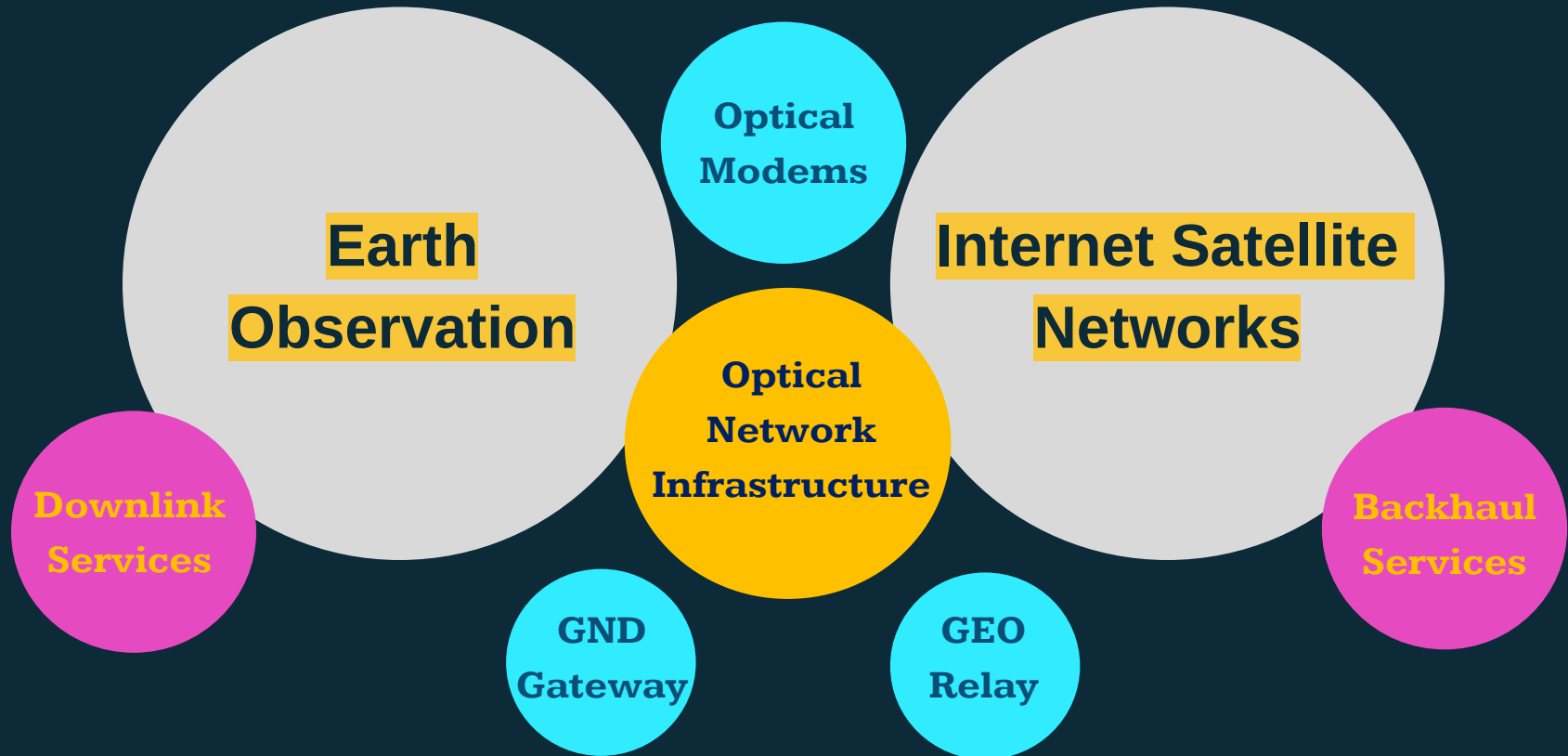
Skyloom's  
**Ground** Station

Customer's  
**Imaging** Satellite

...leveraging small geostationary relay satellites to provide immediate and high-capacity communication services for low Earth orbit constellations whether they're observing the planet or communicating with it...

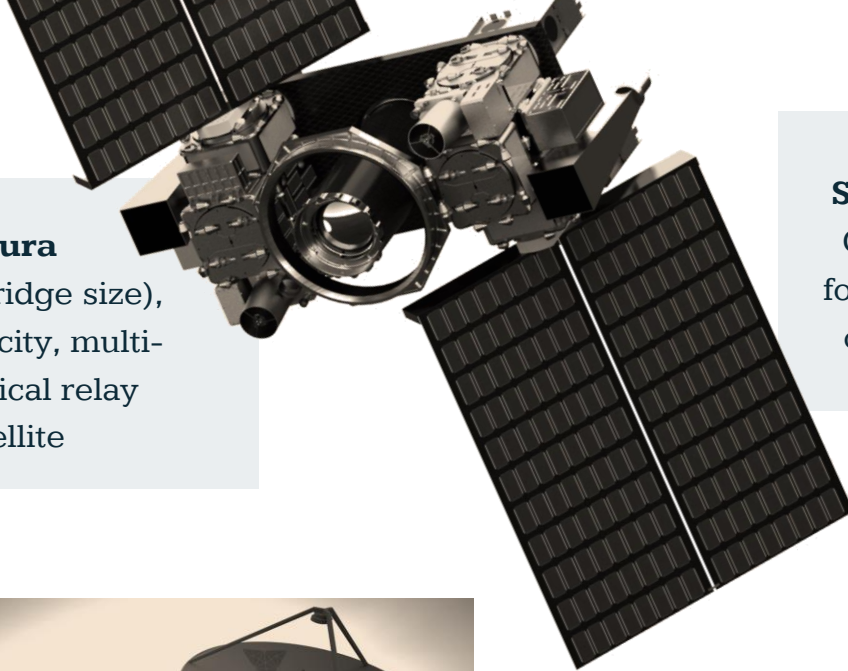


# Skyloom



### Uhura

A small (fridge size),  
high capacity, multi-  
user optical relay  
satellite



### Scotty / Keenser

Optical modems  
for the coming age  
of constellations

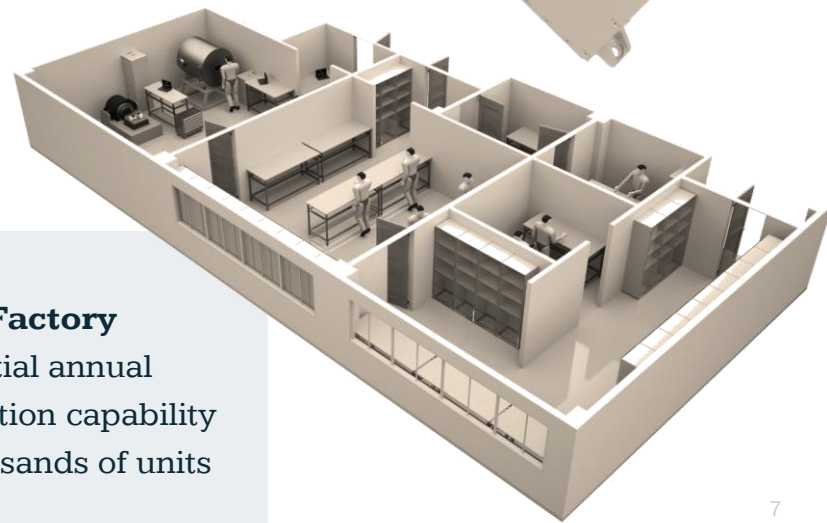


### Kirk

A tactical optical  
ground station

### Factory

Initial annual  
production capability  
of thousands of units







**GEO Node #1**  
**80%** capacity  
booked

**Optical**  
**modems orders**  
are **ramping up**

- |  |             |
|--|-------------|
| 1. Enabling technology                 | 2019        |
| 2. Delivery of first optical modems    | Q3 2020     |
| 3. LEO In-plane crosslinks established | Q4 2020     |
| 4. Thousands of units delivered        | 2022        |
| 5. Optical ground station              | Q4 2021     |
| 6. GEO relay launch                    | H1 2022     |
| 7. Network goes online                 | H2 2022     |
| 8. Network expansion                   | 2024 - 2025 |

## Why Skyloom?

**CAPACITY**

**1.25**

**Pbits/day**

**IMMEDIACY**



**Get your data as SOON as  
acquired, stream it if needed**

**FLEXIBILITY**



**Get your data where  
you want it**

A satellite view of Earth from space, showing the curvature of the planet and city lights at night. The image captures the horizon of the Earth, with a thin blue line of the atmosphere separating the dark, star-filled space from the illuminated surface. The surface is covered in a dense network of golden-yellow lights, representing urban areas and infrastructure. The lights are concentrated in certain regions, forming a complex pattern of bright spots and lines. The overall scene is a breathtaking view of our planet from a high vantage point.

**Thank you!**