



Solstar Space Co.

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Creating a Space Wide Web

M. Brian Barnett, Founder and CEO

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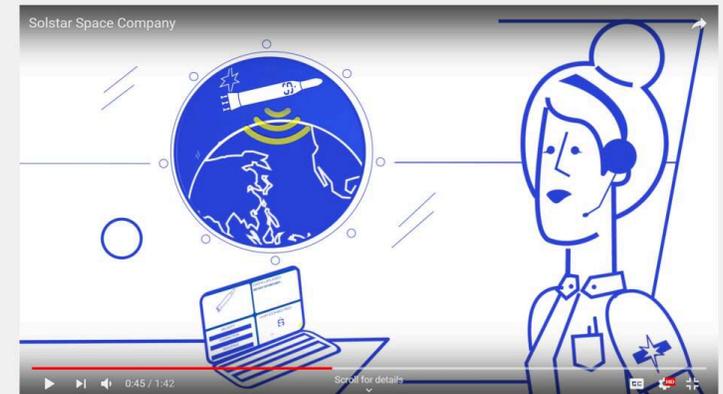
Connecting Everything in Space, to Everyone on Earth



# CONCEPT-First WiFi in Space



*Solstar is helping to build a space wide web by being the first commercial Wi-Fi in space. Private space companies don't have the billion-dollar infrastructure of the government. As a result, the commercial space industry lacks a simple space-to-ground communications solution. As an internet service company providing the first-ever commercial Wi-Fi for these companies, Solstar connects space to earth through patent-pending satellite technology. By making cosmic communication easy, we're doing our part to make commercial space travel safer, easier, and more feasible.*



**Delivered to your desktop with 24/7 customer care**

*First Commercial WiFi and Tweet from Space-April 29, 2018*

Connecting Everything in Space to Everyone on Earth

# PROBLEM: NASA Communications Satellite Fleet is Aging and is not going to be replaced



*NASA TDRSS Satellite (aging, not to be replaced)*



*Starliner spacecraft had problem with  
NASA satellites during Dec 2019 flight*

*NASA is looking to switch to using commercial communications satellites  
and service providers (like Solstar) to fill the gap*



# Solstar-Flew Twice with Jeff Bezos' Blue Origin



Photos Courtesy Blue O

CEO Barnett fist pumping behind Jeff Bezos left shoulder



*Solstar had two-way Internet between rocket and Desktop, and WiFi hotspot inside space capsule during the Spaceflights*



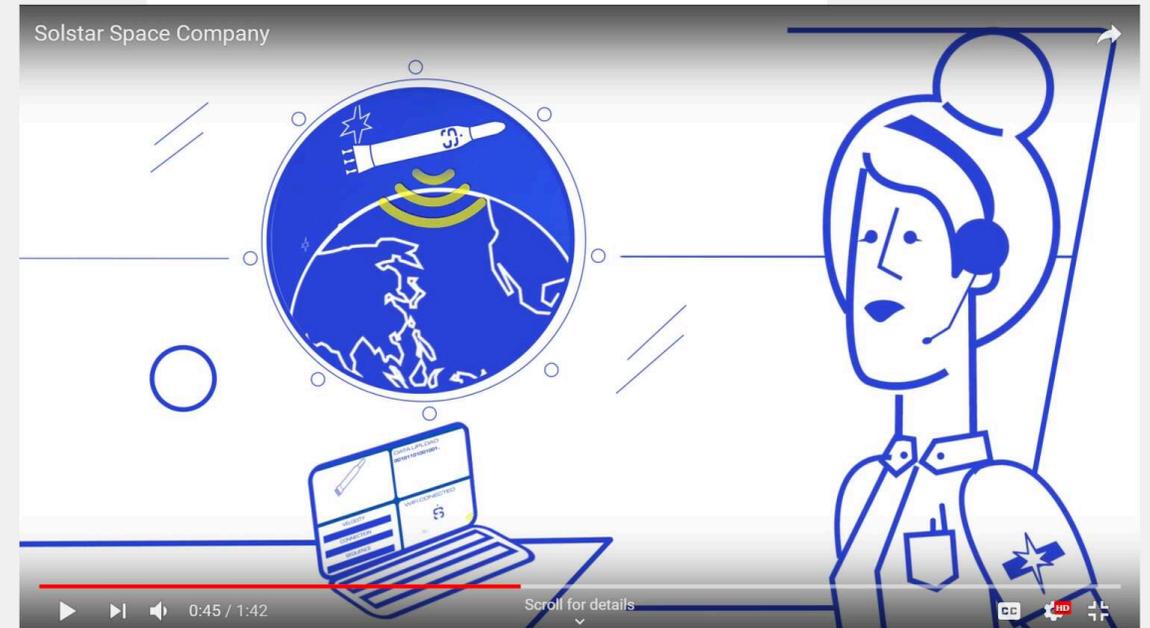
# Solution: First commercial WiFi provider for outer space

Solstar's high-speed, reliable and easy-to-use **space communications platform leveraging existing satellite networks**



Solstar's Space Routers, WiFi antennas and Satellite space communicators

(Credit Albuquerque Journal)



Delivered to your desktop with 24/7 customer care



# Solstar Provides Internet Connection/WiFi

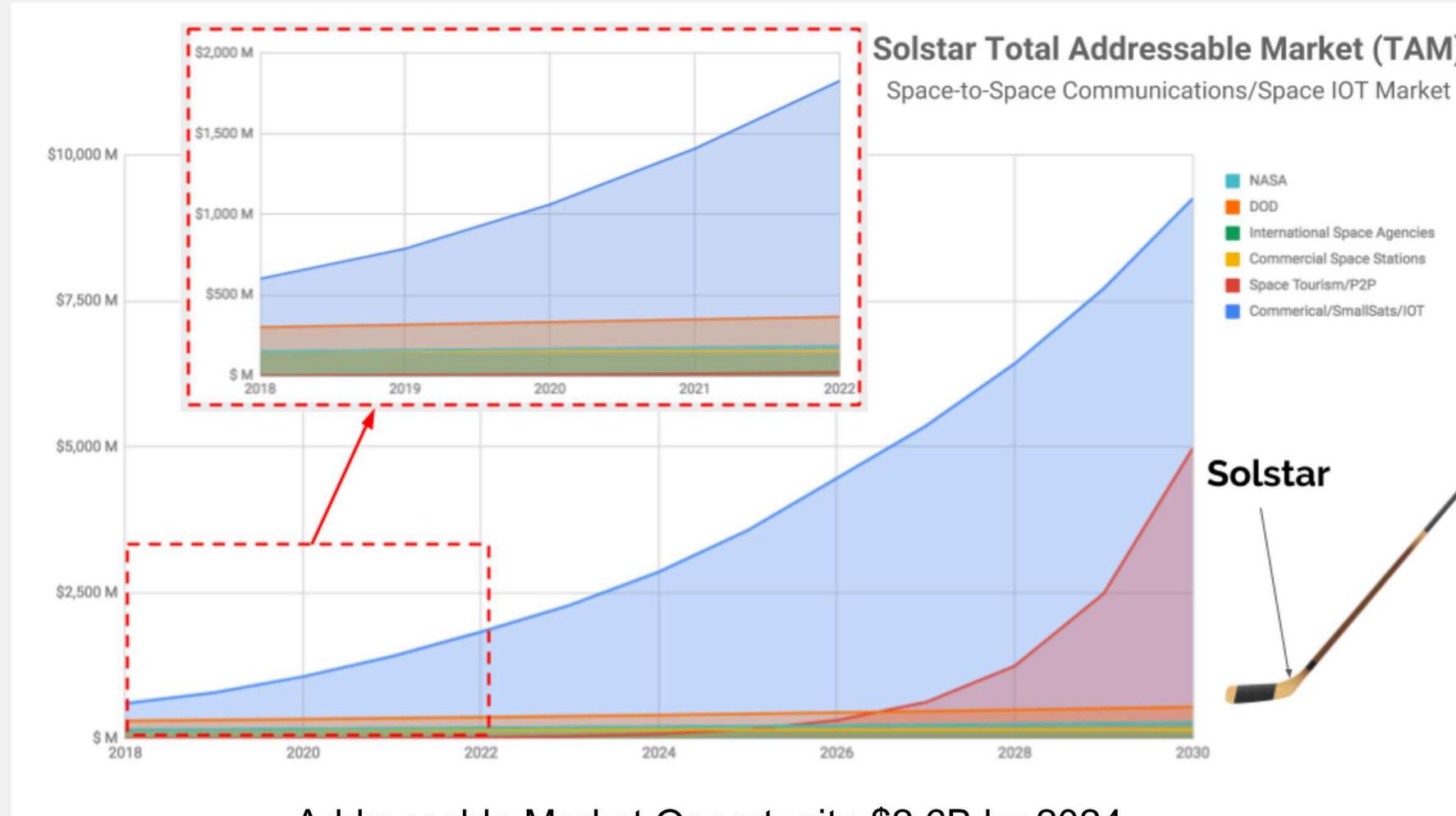
*First Commercial Tweet from Space-April 29, 2018*



Schmitt Space Communicator accepted to the Smithsonian

# Global Space Economy: \$350B

## Growing to \$1 Trillion by 2040s



Addressable Market Opportunity-\$2.6B by 2024

# The Competition

- **Start-ups proposing go brand new Satellite Network (VERY expensive)**
  - *Received \$15M in venture funding in 2017 in Silicon Valley*
  - *Closed its doors in late 2019 after technology failed and failed business model (Solstar's business model is proving itself to be superior)*
- **Satellite Radios / Ground Station Aggregators**
  - *1960's model demanding complex integration of radios and ground stations*

***No competition from solutions using existing satcom networks  
Solstar is first to market and has flown in space 3 times***

# Competitive Advantages

- **First Mover Market Position- Technology already proven in space**
  - NASA contracts
  - Three spaceflights, three successes
- **Superior Business Model to Competitors**
  - Using existing commercial satellite networks
  - Our biggest competitor filed for bankruptcy in late 2019 because of inferior business model
- **Supply Chain Established**
  - We have 20-year business relationships with major commercial satellite companies and commercial space companies.
- **Protected IP**
  - Patent pending on internet-based space communications
  - More IP opportunities forthcoming
- **Domain Knowledge and International Network**
  - Deep experience at NASA, commercial space companies, satellite communications
  - Strategic relationships with major commercial space companies like Virgin Galactic, Virgin Orbit, Made in Space, many others
  - Solstar founders are *very well connected* in the commercial space industry

# Who is Involved



**JC Cunningham**

CFO

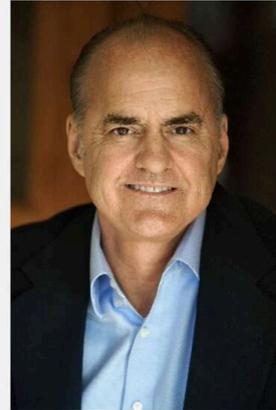
Fundraising, Entrepreneur  
CPA w/ Big Four experience



**Dr. Mark Matossian, PhD**

Co-founder

Google, Silicon Valley startups,  
PhD. in Aerospace Engineering/Satcom



**M. Brian Barnett**

Founder, CEO

Serial entrepreneur, NASA,  
KPMG Consulting,  
Top Mobile Satellite Services  
salesman in North America;  
classically trained rock drummer



**Michael Potter**

Co-founder, serial entrepreneur,  
Geeks without Frontiers, FCC appointee, filmmaker,  
Philanthropist



**Paul Frey**

Program/Operations Manager  
Google, Terra Bella (now Planet)



**Alice Carruth**

Communications Manager  
PR & Social Media



**Chris Stott**

Advisory Board  
CEO of ManSat,  
Society of Satellite Professionals,  
Spacecom regulatory expert



**Charlie Walker**

Space Shuttle Astronaut,  
Solstar Advisor

# Product and Services

## Airtime Subscription-based revenue model

### Products

- Space communicators attached to spacecraft (routers, space data relays and WiFi devices)
- WiFi antennas for Spacecraft
- Solstar's Schmitt Space Communicator has been accepted to be displayed in Smithsonian's Air & Space Museum

### Services

- In-flight communications services for for astronauts and space tourists
- Internet of Things (IOT) in space
- Subscription-based, secure, 2-way, payload access and data services via the internet with 24/7 customer support
- Secure space data software and service
- Payload integration and testing services
- Payload and Flight brokerage services



Apollo 17 Astronaut Dr. Harrison Schmitt checking out the Schmitt Space Communicator named after him (Credit Albuquerque Journal)



Schmitt Space Communicator router provided WiFi hotspot inside Jeff Bezos' spacecraft

# TRACTION

- **Early Revenue Projected -Proposals worth \$30M submitted to NASA and other International Space Agencies in 2019**
- **First Mover Market Position- We are 3 for 3**
  - 3 spaceflights, 3 successes
- **Protected IP**
  - *Patent pending on satcom-based space communications*
  - *More IP opportunities forthcoming*
- **Technology**
  - *Already proven in space; Space is hard and this team understands the technical challenges*
- **Domain Knowledge**
  - *Deep experience in space, satcom and startup product development*
- **Supply Chain Established**
  - *We have 20-year business relationships with major commercial satellite companies and commercial space companies.*



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# MILESTONES

2019



Solstar's Schmitt Space Communicator accessioned into the Smithsonian National Air & Space Museum's permanent collection.

2020



Ranked highest of all its competitors by a 3rd party equity crowdfunding organization.



NASA Administrator Jim Bridenstine meets with Solstar and gives a shout out to Solstar at Next Generation Suborbital Researchers Conference.



Awarded the Chairman's Award for Outstanding Innovation at the Satellite 2020 conference.

2021



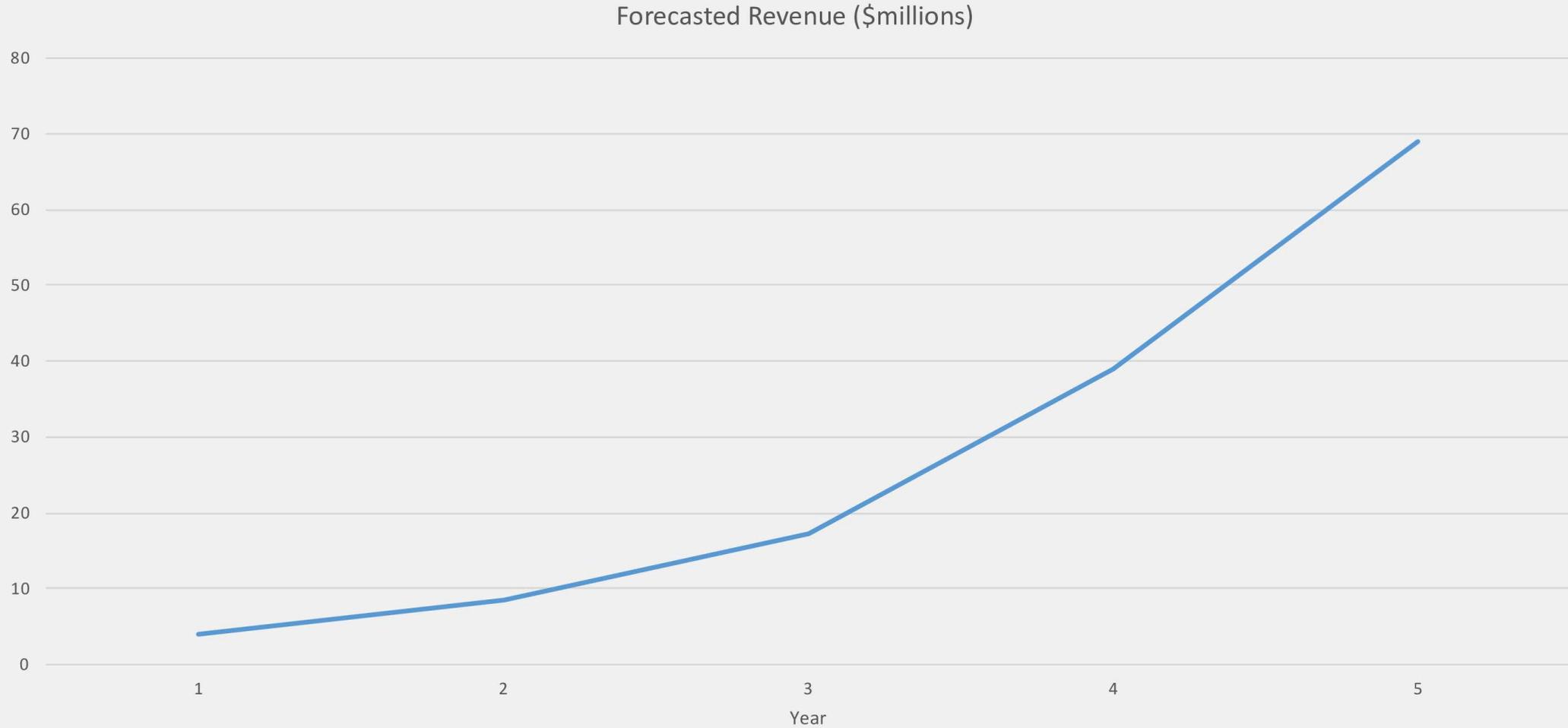
Product launch for commercial in-flight Schmitt-Merbold Space Communicator.

2022



Test of Slayton router in low earth orbit

# Revenue Forecast



Please note that **projections are not guaranteed.**