



Trusted Time and Location, Everywhere

May 2016

Gregory Gutt, CTO

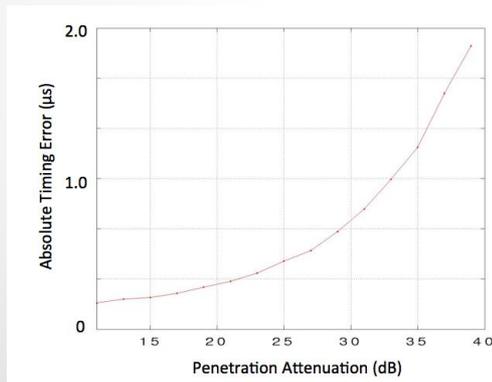
Michael O'Connor, CEO

Satelles Time and Location

Satelles has modified existing Iridium satellites to deliver secure time and location signals from space

Advantage #1
Provides Precision Time
without local infrastructure

Sub-microsecond Accuracy

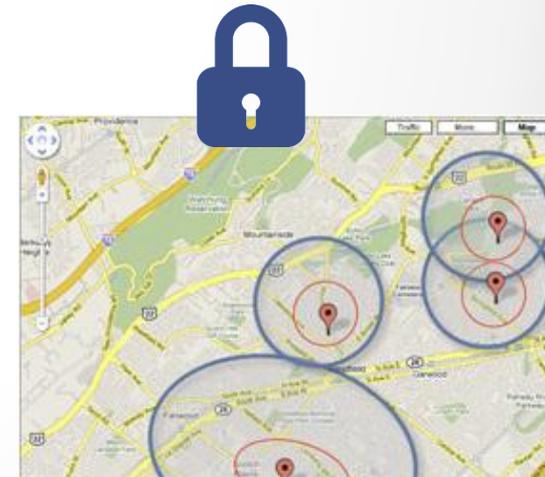


Advantage #2
Provides Indoor Location
without local infrastructure

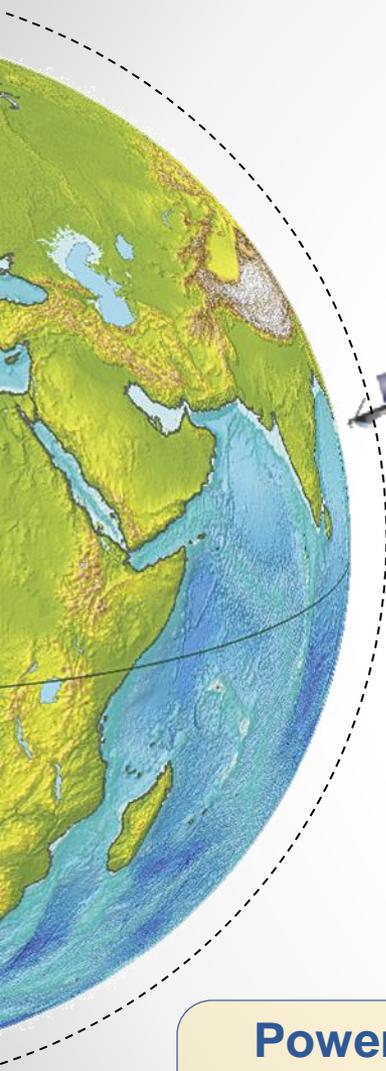
20-50m Accuracy Without Aiding



Advantage #3
Delivers Trusted Location
extremely difficult to spoof



Satelles Provides Powerful PNT Signals from Iridium



66 Iridium Satellites

Global coverage

500 mile altitude

24 GPS Satellites

Global coverage

12,500 mile altitude

25x further away



Powerful signals from LEO Iridium satellites, enabled by the Satelles PNT service, penetrate indoors and into places where GPS does not reach

Iridium Communications Overview

A vital, global communications provider of mobile voice and data services via 66 in-orbit satellites

- Serving 788,000 customers⁽¹⁾ across the land-based handset, machine-to-machine (M2M), maritime, aviation and government markets
- U.S. DoD accounts for over 75k subscribers under dedicated Enhanced Mobile Satellite Services (EMSS) program
- 2015 revenue of \$411 million and Operational EBITDA (OEBITDA) of \$234 million⁽²⁾
- Iridium NEXT replaces all 66 satellite constellation by end of 2017



(1) Subscriber data as of 4/28/16 (1Q16)

(2) 2015 revenue as of 2/25/16 (end of 2015)

Iridium NEXT Positions Us for the Future

Comprehensive ~\$3 billion plan that supports our success for many years

- Compatibility with existing network and devices
- Smooth network transition and customer continuity
- Retains unique LEO architecture with 66 new operational satellites, 6 in-orbit spares and 9 ground spares

• Deployment scheduled between 2016 and 2018 using SpaceX Falcon 9 rockets as primary launch vehicle

- Expanded capacity and higher data speeds (to 1.5Mb/sec)



Note: The Company estimates the aggregate costs associated with the design, build and launch of Iridium NEXT and related infrastructure upgrades through 2017 to be approximately \$3 billion. Our business plan includes utilizing the substantial majority of our COFACE financing agreement, cash on hand, and internally generated cash flows, including potential revenue from hosted payloads and Iridium PRIME. The remaining portion of the COFACE facility will be utilized for capitalized interest and COFACE insurance premiums.

Time and Location Without GPS

Countless applications require location where GPS does not reach, and local infrastructure is not practical



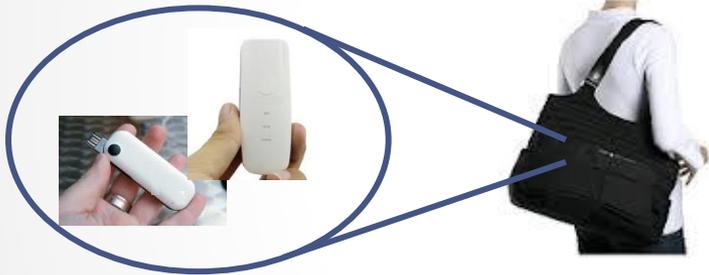
STL works where GPS does not

Example STL Form Factors



- **Tactical Radio via 9603 Module**

- NAL / Iridium 9603
- CSR SiRFStarVxp can be embedded in OEM electronics: laptops, tablets etc.



- **Wireless token – similar to MiFi**

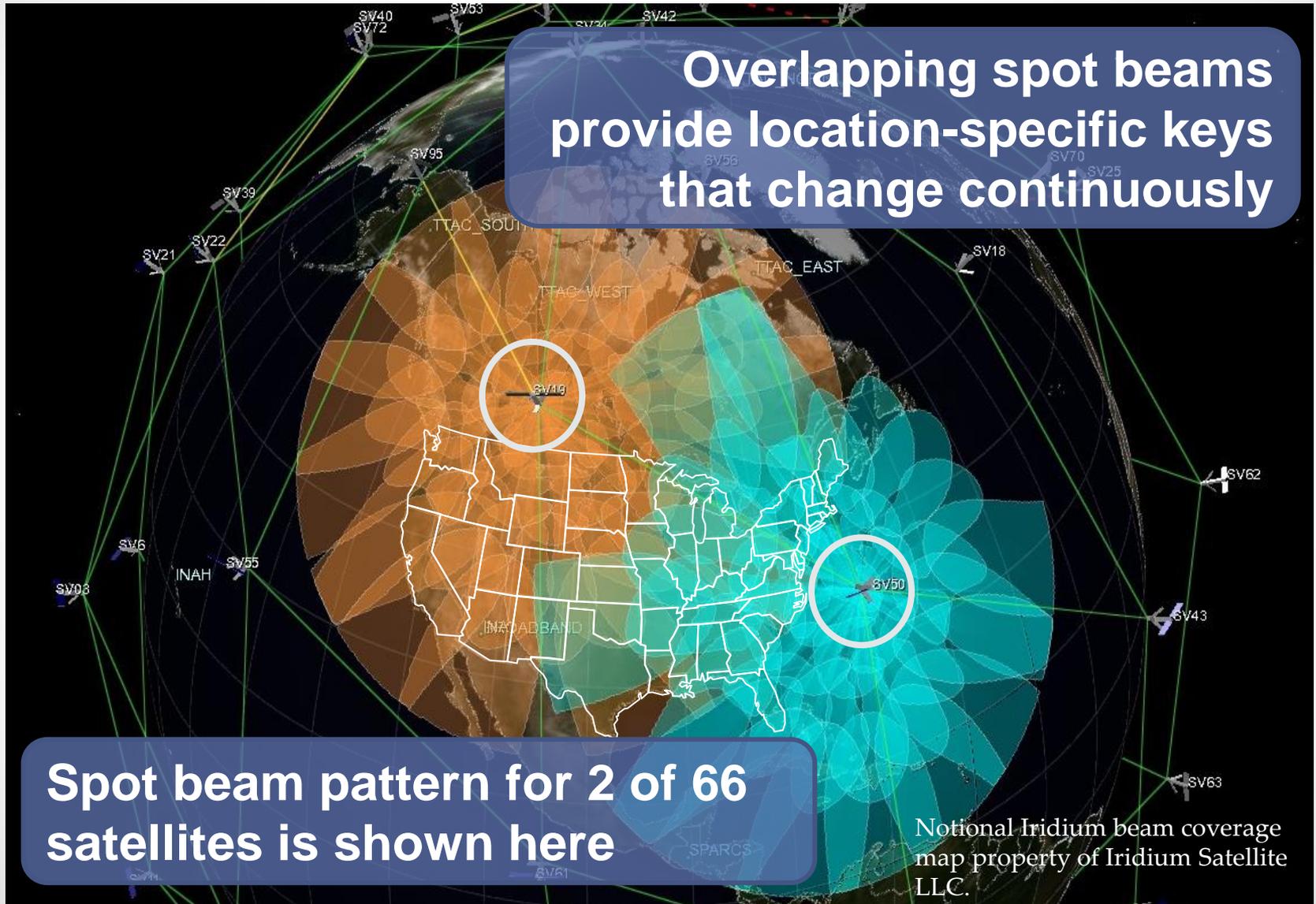
- Connects to PCs and mobile devices
- Nominally sits in a briefcase
- Authenticates location of connected devices



- **Mobile Integration**

- Smart Phone Sleeves

Location-specific Random Numbers from Space



Trusted Location: A New Authentication Factor

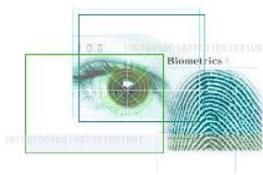
Current Authentication Factors



Something
you know



Something
you have



Something
you are



New Factor



Somewhere
you are

- Independent of other authentication factors
- Invisible to the user – no action required
- Available indoors, without local infrastructure
- Very difficult to spoof

Satelles solutions combine with other factors to deliver enhanced security AND improved convenience

Summary

- The Satelles team has a proven track record of introducing and commercializing high-impact, industry-changing solutions
- Satelles STL is working today
- Satelles is working with an outstanding team of Value Added Resellers that will provide excellent products to end users.
- STL delivers unparalleled capabilities
 - Uniquely leverages \$3B Iridium satellite constellation
 - Solutions work where GPS does not
 - Virtually impossible to spoof from a remote location

Thank You



Artist depiction of an Iridium LEO satellite in space.

