Cost effective High bandwidth connectivity to rural points on Earth utilizing Nano Satellite technologies

UN COUPOUS
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NSLComm Ltd.

2015

Founded
Work started in 2012

2015

Funds raised: $3M
JVP, LIVF, OCS

2017

Funds raised: $6M
OurCrowd, JVP, LIVF, GF Hawk, Cockpit

2018

Launch to Space
60 cm antenna demonstration in orbit
Our Team

Mr. Daniel K. Rockberger
Co Founder & Chief Engineer
19 Years of experience
Designer of Nano-Satellites and Communication Satellites
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Mr. Danny Spiritus
Co Founder & CTO
25 Years of experience
RF, Communications
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Dr. Raz Itzhaki Tamir
Co Founder & CEO
24 Years of experience
Nano-Satellite Department Manager
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Mr. Daniel Ben Dov
VP Sales & BD
20 Years of experience
Business Development, M&A
International Sales and Marketing
Gilat Satellite Networks, Elbit Systems
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**Our Mission**

Develop, manufacture and sell antenna technologies that will significantly increase satellite communications bandwidth

**Main Benefits:**
- Significantly improving satellite efficiency and industry competitiveness
- Maximizing return on investment
- Increasing profitability
The Problem

High throughput satellites, providing large bandwidth, require large antennas with a very high surface accuracy

• Complexity: Difficult to launch to space

• Weight: Satellite launchers limit current antenna sizes
• Accuracy: Expandable antennas are less accurate than rigid ones

Current Status

• No solutions for small satellites needing large accurate antennas
The Opportunity

• **Cubesat and Small Sat LEO growing market:**
  The LEO communication market is booming with thousands of small satellites expected to be launched in the coming 5 years

• **Cost reduction:**
  The market is driving a reduction of cost for these currently expensive components

• **Flexibility:**
  In Orbit beam shaping can add customer and market flexibility not available today

• **Efficiency:**
  Enhanced satellite efficiency will provide higher throughput, which translates into improved competitiveness and profits
Solution
A large diameter expandable antenna technology with an adaptive corrective and pattern shaping sub reflector

1GIGA/BIT per Second!

- 60 cm antenna: 500x the throughput than current LEO satellites
- Flexibility: In-orbit footprint control
- Capable of providing communications for wide range of frequencies
NSLComm’s first-ever flexible Antenna System

Beam Shaping Sub Reflector
OUR SATELLITE!
OUR SATELLITE!
Ecosystem

Communication system manufacturers

Satellite manufacturers

Operators / users
Partial customers / partners list
We bring value

- O4B unconnected (Rural)
- IOT (industrial, Agriculture, Gov’)
- Connected Cars (Telematics channel)
- High throughput communication (trunking)
- Cellular backhaul
- Defense applications
- HLS – Smart city
2015 EY Pitch Competition (of 150 Startups)
Thank You