

SatixFy IoT Brief

Satcom India

November 2021





Introduction to SatixFy

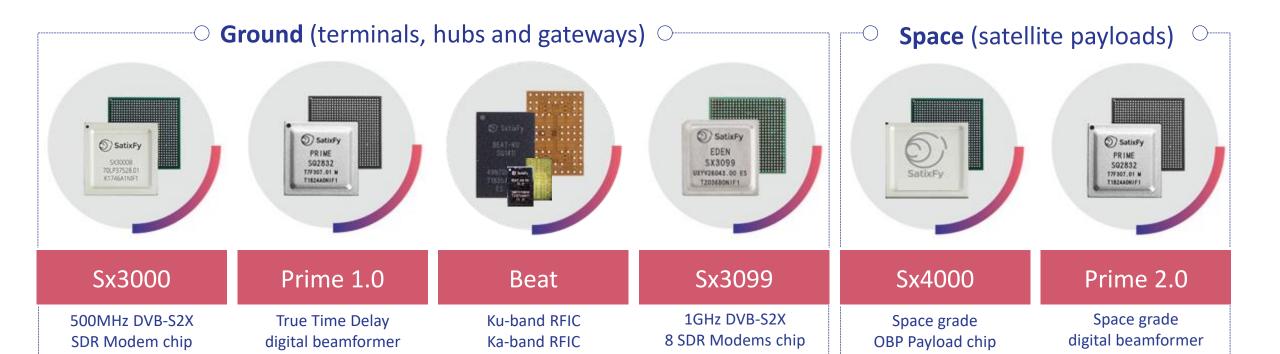
- Operating since 2011. ~220 people
- Technology investments of >\$150M
- Chips, products, antennas, system, Payloads
- DVB S2X/RCS II modem SDR ASICs and products
- Digital Beam Forming technology
- Electronically Steerable Multi-beam Antenna Array (ESMA) antennas
- OBP Payload technology and upcoming launch



Proprietary and Confidential SatixFy 2



In-House Silicon Capability & Expertise





New generation of silicon chips for modems, antennas and payloads

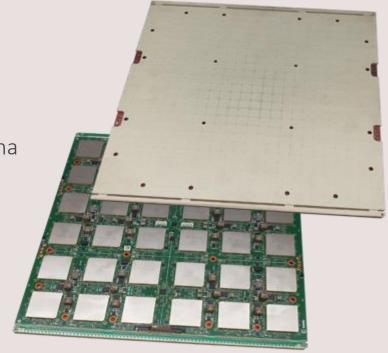
Technology leadership in broadband satellite modems

- Full wide-band system on chip
- Software Design Radio (SDR) for multi-network support and remote software download



New generation of advanced, digital, flat antennas

- Multibeam and beam hoping for MEO, LEO
- Full software control of antenna





Broadband Modem

User terminal for enterprise & service providers with embedded self-developed ASIC and SDR capability



IoT/M2M Terminal

User terminal with modem & electronically steering antenna for services in global areas that have no terrestrial communication



Satellite Payload

Payload for LEO constellations with beam hoping, regeneration and digital beam forming capabilities



COTM ESMA Terminal

User terminal embedding modem & electronically steering multibeam antenna

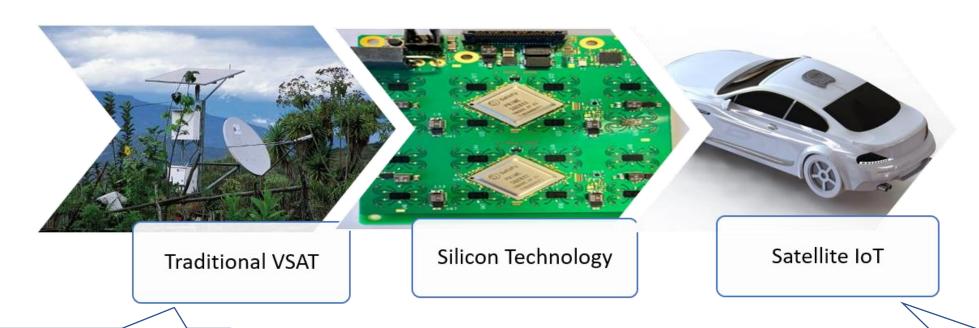


Inflight Connectivity (IFC) System

Broadband all-in-one terminal for commercial aircrafts and business jets



Changing the SCADA/M2M/IoT market



VSAT \$500 - \$1,000 Installation \$200 - \$2,000 Power solution ~\$1000-\$5,000 Mechanics Fixed

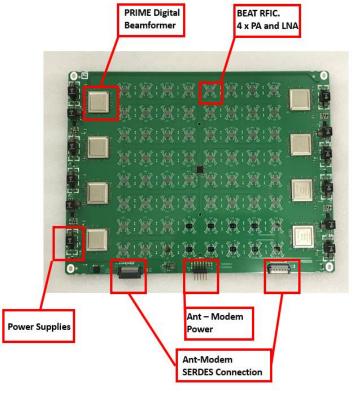
No installer Mobile or Fixed Low Power On board Edge processor <\$1,000

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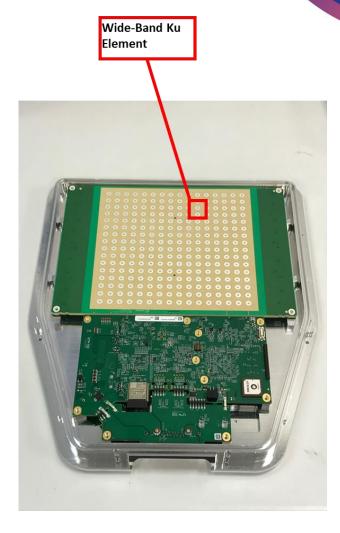


Ku-Band Satcom IoT

- One device combining
 - Electronic Tracking Antenna
 - Modem with Spread Spectrum
 - GPS, Gyro, Accelerometer, Compass
 - WiFi and Bluetooth



Antenna card - Bottom Part



Antenna card - Top Part



Generic Market Requirements

Typical Use Cases

- Fleet Management
- Control of long lines
- Access to Remote locations

Typical needs

- Short Routine Mssg
- Emergency Mssg
- Voice (Technician, Driver)
- Online Access to/from
- Edge processing

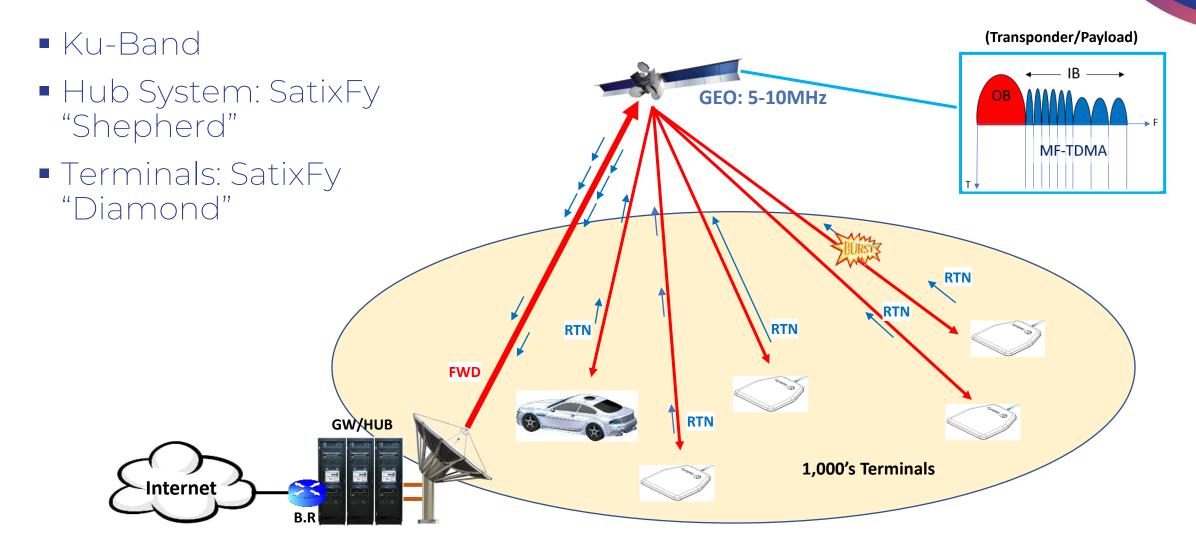




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THANK YOU