Technology Innovation in Satellite Connectivity

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- YahSat receives FSA for the AF RNS
- YahClick service launched
- YahSat announced plans to launch a third satellite, Al Yah 3
- YahClick acquired over 34,000 subscribers
- YahSat announced that its reach into the Farsi-speaking community had grown to over 25 million
- YahLive delivers MILSATCOM solutions to ground, air and naval platforms
Quick and Easy Deployment + Increased Bandwidth + Wider Coverage Area

Enhanced ability to support humanitarian efforts
KA-BAND - DEVELOPMENT IN SATELLITE TECHNOLOGY

Legacy Satellite Technology

- Continental / regional coverage
- Ideal for broadcast/DTH and supports VSAT networks (e.g. mesh)
- Simple but effective in reaching large areas

Ka-band Satellite Technology

- Surgical beam placement
- Complex but highly efficient spectrum usage
- Purpose-built for broadband access & IP applications across rural / underserved households and businesses
- Leverages economies of scale when covering high number of markets

Typical Ku-band satellite supports only 1.2 Gbps of throughput

Typical HTS throughput typically greater than 50 Gbps
THE PARADIGM SHIFT

- **3 - 5 Gbps Capacity**
  - C / Ku band
  - Bent Pipe Satellites

- **20 - 70 Gbps Capacity**
  - 1st Gen Ka band
  - High Throughput Satellites

- **70 - 120 Gbps Capacity**
  - 2nd Gen Ka band
  - High Throughput Satellites

- **Ka band systems**

- **Existing systems (C & Ku band)**
RELIABLE COVERAGE FROM URBAN CENTRES TO REMOTE LOCATIONS IMPACTED BY CONFLICT OR NATURAL DISASTERS
EASY DEPLOYMENT IN DISASTER SITUATIONS
PROVIDING CRITICAL INFRASTRUCTURE TO CONNECT COMMUNITIES

COMMERCIAL ENTITIES

- Central Bank of Afghanistan
- National Identity Program of Nigeria
- Revenue Authority of Uganda
- Universal Service & Access Agency, S. Africa
- National Drilling Company, UAE
- Abu Dhabi Ship Building
- Co-op & Agricultural Credit Bank, Yemen

COMMUNITIES

- Kenya E-health mini clinics (36 commissioned to date)
- BBC broadcast hostage situation in Kenya
- E-learning system and education on the wheel e.g. Pakistan
- United Nations Children Fund, World Food Program, UNOCHA, OHCHR e.g. Yemen, Pakistan, Afghanistan
- 100 channels to > 25Mn households

Yaahsat provides critical infrastructure to a variety of organizations and connects communities.
KA-BAND COVERAGE

Maps are for illustrative purposes only to show general commercial Ka-band coverage areas. This does not depict exact service locations.

Al Yah 3 will cover more than **95%** of Brazil's population

Yahsat will cover **60%** of Africa's population