

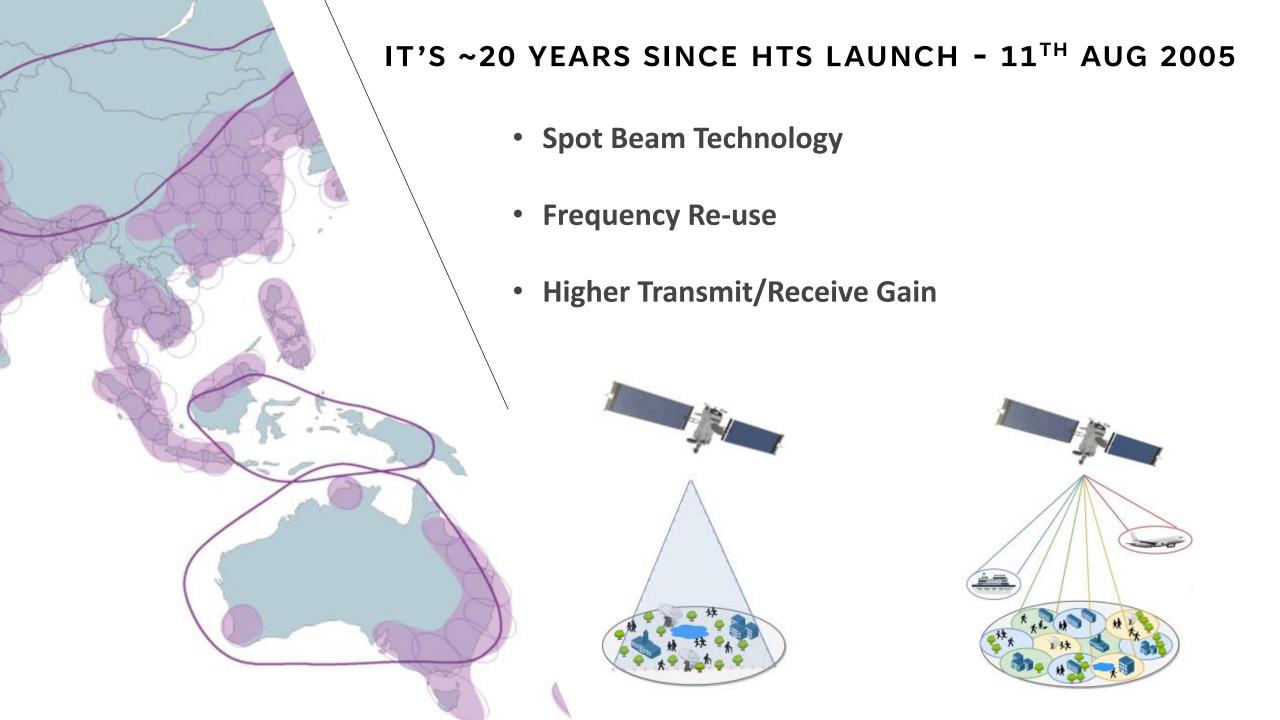


VIVEK RAO

I AM BASED IN SYDNEY, NEW SOUTH WALES, AUSTRALIA.

EXPERT IN SATELLITE AND TERRESTRIAL IOT CONNECTIVITY TECHNOLOGIES, WITH AN IN-DEPTH UNDERSTANDING OF OCEANIA, SE ASIA, AND JAPAN MARKET. I HELP MY CLIENTS ESTABLISH PRESENCE AND SUCCESSFULLY NAVIGATE THE MARKET TO UNCOVER GROWTH OPPORTUNITIES IN THE REGION.

IN PAST I HAVE HELD PIVOTAL ROLES AT NOKIA AND ERICSSON, WHERE I LED SOLUTION CONSULTING AND BUSINESS DEVELOPMENT TEAMS AND WAS INSTRUMENTAL IN DRIVING DEVELOPMENT OF INNOVATIVE SOLUTIONS TO MEET THE UNIQUE NEEDS OF THE APJ MARKETS.



HTS GROWTH AND CHALLENGES

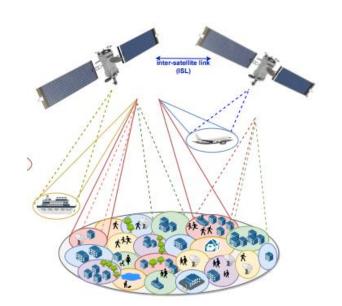


- 50+ active HTS operators
- HTS supply tripled between
 2021 and 2023 to 27 Tbps
- 2024-2028 forecasts of ninefold growth in HTS supply

- Market Growth and Competition
- Regulatory Challenges
- Latency
- Interference Management

EVOLUTION TO EHTS

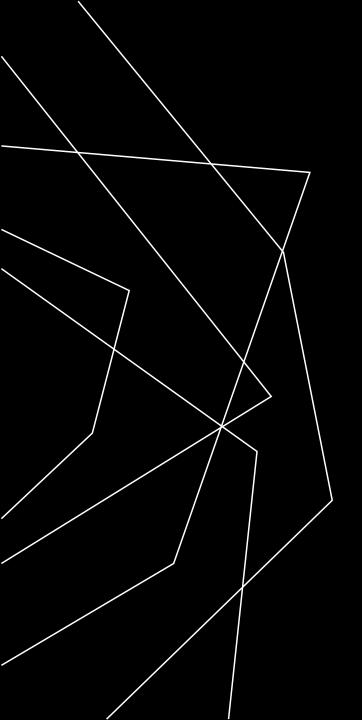




HTS	EHTS
ku-band, ka-band	ku-band, ka-band
Up to 300 Gbps depending	Extremely High (Terabits)
on size and frequency. Up to	
2 Gbps within a spot beam	
remote areas, sea and air	Global coverage: space-air-
	ground-sea
Multiple narrow beams	Multiple narrow beams (sig-
(limited)	nificant increase)
MF-TDMA	Advanced schemes: NoMA
	& RSMA
Broadband services, remote	Future broadband services,
area connectivity, dedicated	universal connectivity, ded-
for mobility	icated for mobility and re-
	generative constellations
	ku-band, ka-band Up to 300 Gbps depending on size and frequency. Up to 2 Gbps within a spot beam remote areas, sea and air Multiple narrow beams (limited) MF-TDMA Broadband services, remote area connectivity, dedicated

PROMISE OF EHTS 82 100 101 31

- Software defined networks
- Cyber security by design
- RSMA/ Grant free NOMA
- Massive MIMO
- Adaptive resource allocation
- Regenerative Onboard



THANK YOU

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