



COMTECH™



Satellite Communications, Cyber Security and Data Sovereignty

Nicole Robinson

Chief Strategy Officer

Comtech



WHO WE ARE

With over 50 years of global technology leadership. We are pushing the limits of innovation to democratize access to communications and deliver new technologies that create a truly connected and empowered world.

- We provide differentiated solutions, technologies and services sought out by commercial and government customers across the globe
- Our unique culture of innovation and differentiated expertise spans technology corridors in key global markets
- We are relentless in our quest to solve our customers' toughest challenges
- We are uniquely positioned to accelerate the convergence of global communications infrastructures
- Our technologies, solutions and services are designed to significantly enhance the global technology landscape



SATELLITE AND SPACE

For over 50 years, Comtech has provided some of the most critical satellite and space solutions sought out by commercial and government customers across the globe.

- We are connecting our customers and global communities through the design, development, and delivery of resilient, integrated, software-defined:
- To enable truly ubiquitous connectivity and deliver the data, insights, and information needed to connect the unconnected and deliver access to new technologies.
- We understand the future of satellite and space communications, and we are pushing the limits of innovation every day to create a truly connected and empowered world.



*Satellite
communications
technologies*



*Space
components*



*Multi-orbit and
multi-modality
solutions*



*Next generation
Troposcatter
capabilities*



TERRESTRIAL AND WIRELESS

- As one of the world's most trusted Terrestrial and Wireless technology providers in the world, we are delivering some of the most powerful:
- To help enable the digital transformation needed to bring people closer together and keep our global communities safe.
- Through data analytics, artificial intelligence, cloud-native applications, and next generation technologies, we pushing the limits to better understand patterns of life.



*Precision
location-based
services*



*Public safety
solutions*



*Cloud-native
technologies*



*Next generation
networking
capabilities*



COMTECH EXPERIENCE

- We have extensive experience as a provider of cutting-edge microwave and networking technology for Government Agencies and Private Companies in India and the Indo-Pacific Region
- Comtech can provide solutions for sovereign communications networks and geospatial systems with unparalleled performance and cost effectiveness
- We are uniquely positioned to enter long term technology and manufacturing partnerships in India
- Satellite communications market in India *



*India's satellite broadband service market
\$1.9 billion by 2030
CAGR of 36%*



*SATCOM services in India
driven by business-to-business market
- rural connectivity, public protection, disaster relief, &
M2M connectivity for enterprises*



*Rising demand
Multi-service satellites through LEO and MEO
HTS services through enhanced GEO satellites*



HYBRID SATCOM NETWORKS

Benefits of blending SATCOM networks to create hybrid architectures

- Hybrid satcom networks may span multiple orbital regimes—LEO, MEO, and GEO—and operate over multiple frequency bands
- Hybrid satcom architectures are built on open standards and have been shown to deliver the greatest performance in some of the most challenging geographic regions and operating environments in the world.
- The end goal of hybrid network infrastructures is a seamless user experience
- Hybrid network architectures already being implemented



CYBERSECURITY

With the move to hybrid networks, and the blending of multi-modality services, robust cybersecurity architectures are critical

- The growth of hybrid and converged networks is driving the demand for layered zero trust security architectures that can quickly put-up additional protections around critical data
- We are building cybersecurity into every aspect of our business at Comtech
- Our people, processes, and technologies ensure customers stay one step ahead to defend against some of the world's most sophisticated cyber threats across global markets
- We enable customers to have the most robust cyber capabilities available for the defense needed today, and in the future
- As communications infrastructures continue to mesh together, cybersecurity and secure data transmission must also evolve to meet the incredible amount of information these networks will handle and transfer on daily basis



THE CONVERGENCE OPPORTUNITY

Businesses, governments, and individuals around the world request seamless connectivity all the time, everywhere, in every environment, and in every imaginable situation

- Rising demand for always-on connectivity require networks to converge in order to assure uninterrupted connectivity no matter the location or the environment
- Comtech enables and anticipates this blending of terrestrial and satellite network infrastructures in unique ways to keep people connected:
 - Comtech space and satellite solutions are used on LEO, MEO, and GEO ground systems & spacecraft,
 - Providing communication in every continent and active in more than 150 countries
- The convergence of satellite and terrestrial technologies opens the door to a nearly endless number of applications and can deliver connectivity and smart-enabled, insightful technologies to locations that have never had it before



*Convergence of space, satellite, terrestrial,
and wireless technologies*

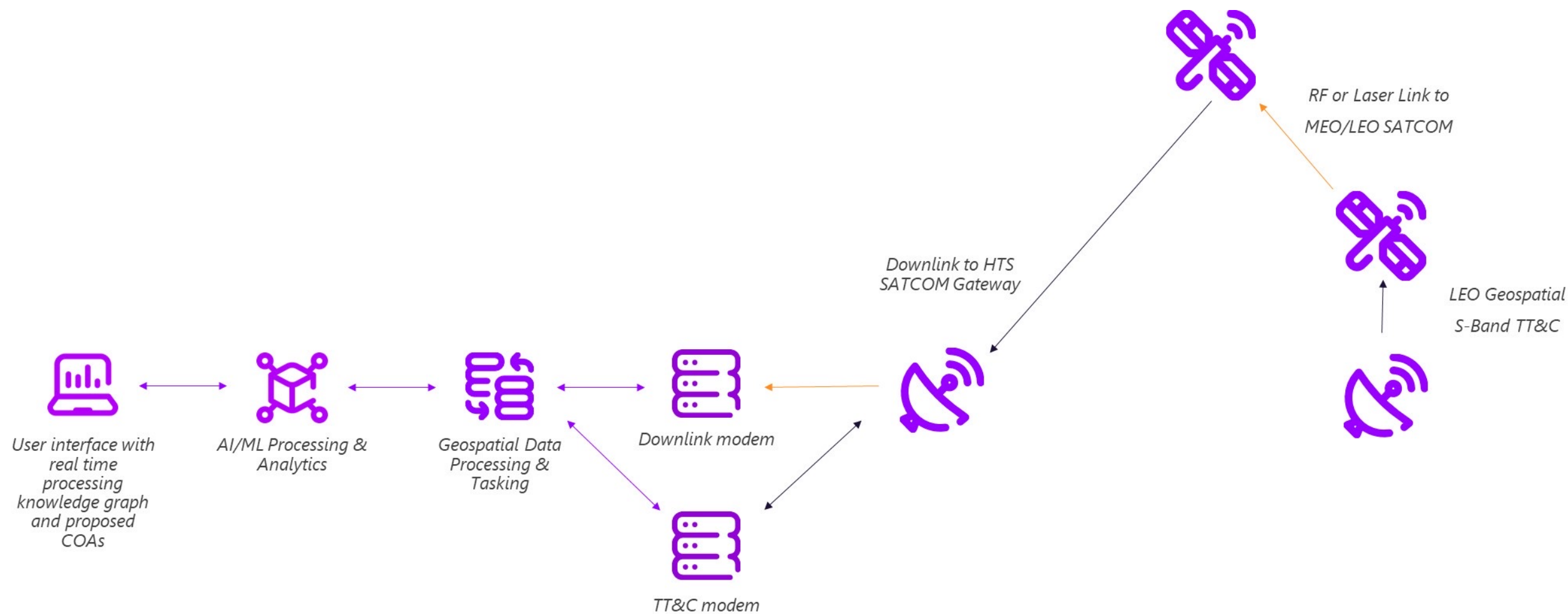


Convergence of SATCOM and Geospatial

Connecting LEO based earth observation/geospatial satellites via RF link to LEO and MEO based high throughput SATCOM satellites, and down through Comtech ground stations where data is decrypted, processed and analytic insights are delivered.

Comtech Lightning

Just as visible lightning originates from the ground, Comtech Lightning builds on a verticalized ground, modem and data service to deliver never-before experienced geospatial insight over HTS satellite links.



Convergence of satellite communications and geospatial insights



