



# Comtech ELEVATE

Elevate Your VSAT **Performance**

Join the **Revolution**

The background of the advertisement is a composite image. The top half shows a dark blue space with a network of glowing blue lines and nodes, representing a satellite constellation. The bottom half shows a city at night with orange and yellow lights, with the same network overlaying it. A dark blue rectangular box is positioned in the lower right quadrant, containing white text.

## Comtech ELEVATE

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The Next-  
Generation of  
Intelligent Software-  
Defined VSAT  
Solution. Anytime.  
Anywhere.

# Unleash The Power of Higher Performance with Comtech ELEVATE.

Expand – Software-Defined Network that can support over 500,000 remote sites per service area (hub outbound carrier).

Highest Outbound in Industry – Each service area (hub outbound carrier) can support ~2.5Gbps outbound.

Highest Return Speed in industry – Remote VSAT terminals can scale from a 2Kbps to over 200bps using a single hardware platform.

Fastest Processing in Industry – Remote VSAT terminals support up to 200,000pps.

Fastest user data response – 30ms bandwidth allocation algorithm, 0.1ms minimum allocation duration.

Lowest power consumption in industry – typically, <12W per remote VSAT IDU.

Automatic and Dynamic Selection of Return Waveform – D-RAM simultaneously supporting MF-TDMA and H-DNA.

Software-Defined Redundancy Options – hub element redundancy from 1:1 to 1:250, remote redundancy, geographic redundancy.

NMS (M&C) scale – Supports > 500,000 remote VSAT terminals per NMS install.

NMS APIs – Offers multiple northbound APIs to support manager of managers OSS/BSS orchestration.

NMS data collection – supports multiple ways to perform logging, trending, export, and access through APIs of historical and current data.

# Elevate Your VSAT Performance. Join the Revolution.

Comtech ELEVATE is a scalable, reliable, software-defined solution that brings together the best of Comtech's popular Heights and UHP VSAT platforms in a first-of-its-kind leading-edge architecture featuring D-RAM (Dynamic Return Access Modes) that allows dynamic seamless shifting between MF- TDMA and H-DNA waveforms.

Comtech's software-defined technology allows the creation of private VSAT Networks of any size and topology with unlimited potential for future development.

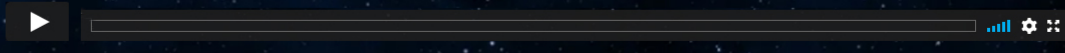
## **Core Domain Markets Leverage the Power and Intelligence of Comtech ELEVATE in your Key Markets:**

- Smart Grids
- Agricultural
- Oil & Gas
- Maritime
- Aerospace
- Land Mobile



**CONNECTIONS THAT MATTER®**

**COMTECH.COM**  
**NASDAQ: CMTL**



# Next-Gen VSAT Solution **Wherever You Need It.**

## **Seamlessly Integrate Hybrid and Multi-Layered Satellite Bandwidth.**

Comtech ELEVATE is a proven solution that would empower seamless integration of hybrid multi-provider and multi-layered satellite bandwidth resources. It is powered through an ultra-intelligent VSAT platform that can fast-track your transformation. By using virtualization, cloud computing, and Software-Defined architecture, you can accomplish your mission.

### **1 LEO/MEO Constellations**

The new Low Earth Orbit (LEO) and Medium Earth Orbit (MEO) constellations have become a key trend in the satellite industry.

### **2 Cellular Backhaul**

For over 20 years, we have been the premier supplier of bandwidth-efficient satellite modems, VSAT networking solutions to Mobile Network Operators (MNOs).

### **3 Mobility**

We understand that the quality of our customers' mobility systems is critical to their success whether in the maritime, aeronautical, or other mobile environments.

### **4 Enterprise Networks**

Our solutions facilitate the delivery of differentiated premium grade services, offering the highest possible Quality of Experience (QoE) to end-users.

### **5 Broadcast**

The Comtech ELEVATE Satellite Routers are designed as a universal VSAT platform that may help Media companies with efficient contribution and distribution of their content.

### **6 Satellite Operators**

Operators are leveraging our success in providing best-in-class solutions for our targeted vertical markets and are investing in Operator-owned infrastructure to extend their product offerings and address rapidly evolving customer demands.

# Leverage Comtech ELEVATE Next-Gen VSAT Solution

1. Scale complex Hubs as-you-go to scale from the smallest to largest networks.
2. Command your Hubs through unique Software-Defined and modular architecture.
3. Enjoy higher processing density.



## **1** Maximize Bandwidth Faster with Maximum Operational Efficiency

Comtech ELEVATE addresses the real need for an intelligent VSAT solution capable of serving multiple applications, from low to high-performance gigabit networks driving an array of bandwidth-hungry applications from cellular backhaul to mobile assets over a single VSAT platform.

## **2** Comtech's Satellite Technology plays a key role in supporting very large IoT/M2M and SCADA distributed networks.

Our Satellite Networks play a critical function in connectivity for remote sensing in difficult to reach areas, for oil and gas pipelines, Smart Grids, and environmental monitoring.

## Are you ready to elevate your VSAT performance?

Enjoy higher processing density. Scale complex Hubs as-you-go to scale from the smallest to largest networks And command your Hubs through unique Software-Defined and modular architecture.

### Smarter For Multiple Bandwidth Applications

Comtech ELEVATE deploys and manages a single platform to support small bandwidth applications. From IoT applications in connected agriculture to ATM banking networks, while concurrently allowing more megabit-hungry services, like cellular backhaul, gaming, and video, using the same solution.

### Optimize Your QoE and Delight Your Customers

Comtech ELEVATE provides more power, speed, agility, and efficiencies to meet a new level of requirements to meet the highest QoE with market-leading affordability, footprint, and low power consumption.

### Works Anywhere: Maritime, Aerospace, Land

Comtech ELEVATE meets the changing communications demands through a single intelligent, modular platform capable to support both small and big networks across any orbit. Best of all, it integrates multi-orbit, multi-band, multi-operator, and multi-provider connectivity for Maritime, Aerospace, and Land mobility platforms.

**Get started Now. Visit [comtech.com/contact-us](https://comtech.com/contact-us)**