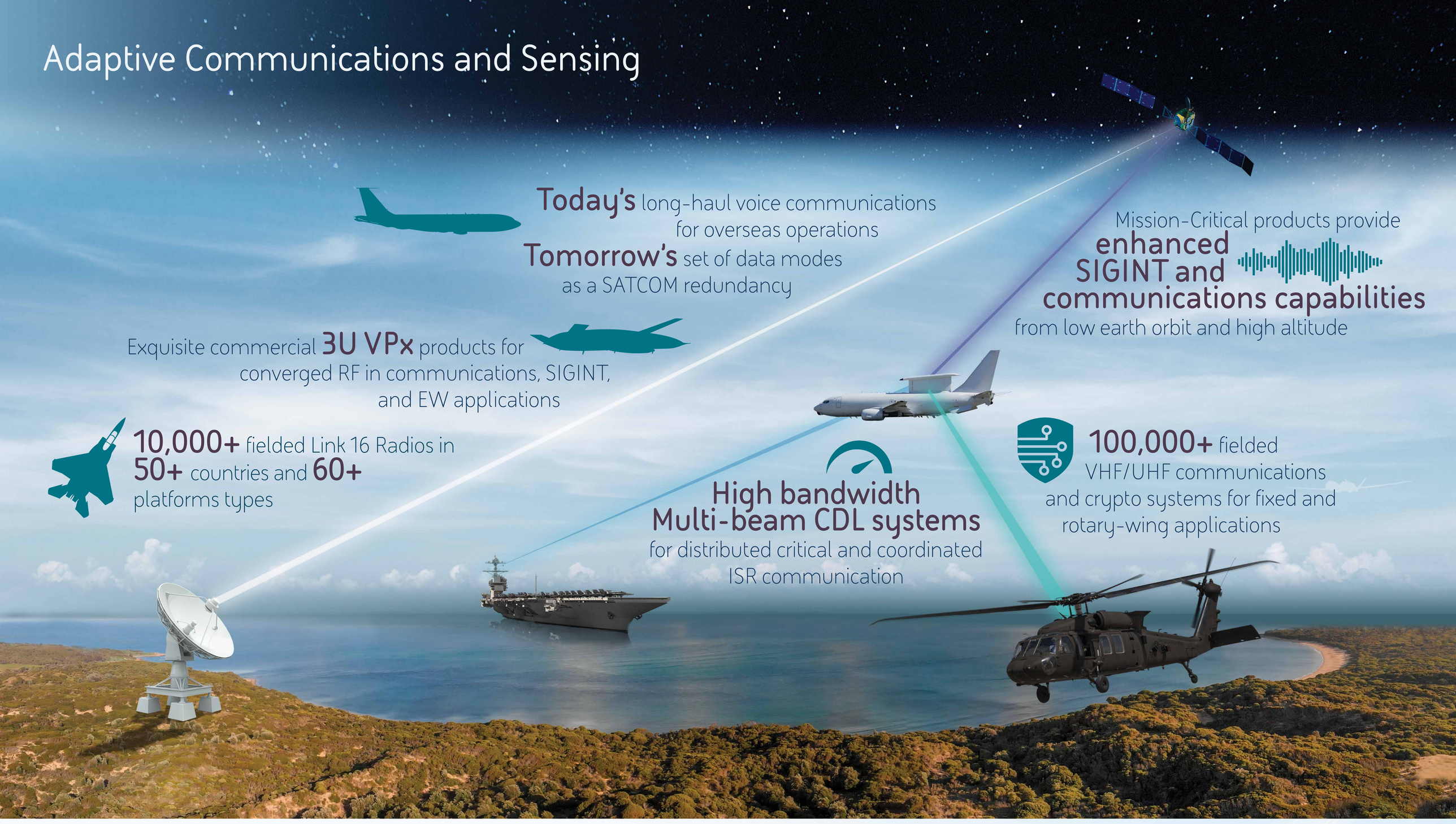
Adaptive Communications and Sensing



Mission-centric solutions to unify the RF battlespace across multi-domain operations

Low Earth Orbit (LEO) communications and sensing products distributing and fusing operational data to front line warfighters

Distributed communications and sensing across air, land, and sea providing a full situational awareness picture and enhanced joint services operation

Surface and sub-surface sensing for deep penetration capabilities

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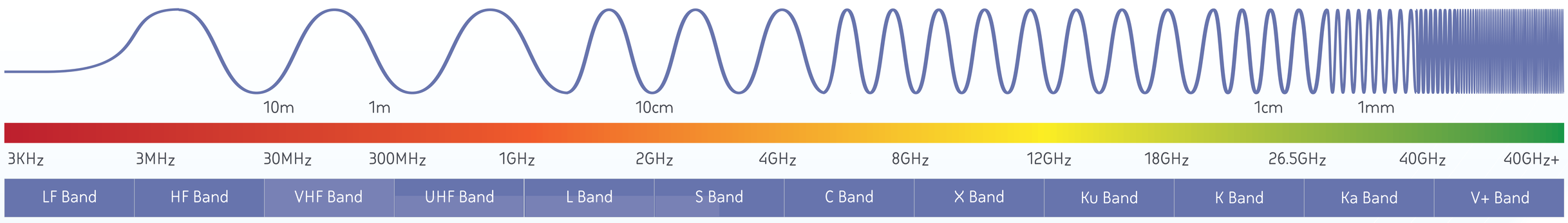
Uniting the warfighter across the RF spectrum



Low SWAP VLF Receiver

- High performance, reduced SWAP VLF receiver provides over-the-horizon capability to disjoint platforms

Superior ATC and Voice

- Reliable secure voice UHF comms for ATC/SATURN and coordinated operations
- Extended frequency range with improved co-site performance

FireNet™ Link 16 – Performance in Small Package

- MIDS JTRS quality Link 16 advanced capabilities and enhanced Alternate PNT navigation at >1/3 the size
- FireNet
- Provides a competitive lethal advantage via adoption of current and future MIDS JTRS classified enhancements
- Ensures interoperability to Link 16 users and allied nations via use of MID JTRS program of record technology

ISR Distribution

- High bandwidth communications distributes ISR data from multiple sources for complete situational awareness picture
- Real-time exchange of voice, data, imagery, and full-motion video from a variety of air, surface, subsurface, and man-portable sources

Advanced HF Radio

- Next-gen SDR based on militarized commercial technology
- Over 95% spare processing and memory for future missions needs
- Supports OMS and Open API protocols to expedite platform and application integration

Link 16 Staple

- Golden standard for Link 16 performance
- Provides complete situational awareness picture formulation and dissemination

Open Systems Commercial Products Spanning the RF Spectrum with Exquisite Communications and Sensing Solutions

- Exquisite sensing and receiver technologies for high dynamic range and sensitivity requirements
- Modular Open Systems Architecture (MOSA) form factor chassis and cardsets to meet platform unique install needs

Learn more at baesystems.com/CNI

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