

LEONARDO EXTENDED COMMUNICATIONS SYSTEM—DIGITAL

LEONARDO CRITICAL COMMUNICATIONS

Leonardo's extended communications system—digital (ECOS-D) multi-mode technology is designed for the critical communications sector, including LMR system users such as public utilities, urban transportation, oil and gas, public safety, and large enterprises. Our systems deliver the features enjoyed by the critical communications operating environment with the adaptability, scalability and performance this market sector demands. This brings increased effectiveness without compromising performance or reliability. ECOS-D can integrate with existing equipment and infrastructures.

ECOS-D Benefits

- › Flexible, software-defined rbs 4000 base station to meet your current and future needs
- › Multiple-modes and architectures all in one radio base station
- › Integrated voice and data application system
- › Multi-mode system available as analog, DMR II/III and P25 phase I
- › Designed for maintainability
- › Resilient, self-healing and distributed control
- › Standards-based (P25 & DMR) open system platform providing users choices in applications and end user terminals that suit your needs and budget
- › Scalable and flexible to meet urban, suburban and rural applications



**10-Year
Non-Obsolescence
Guarantee**

**5-Year Parts and
Labor Warranty**

**Committed to
Interoperability
and Open
Standards**

[Request More Info Here](#)



ECOS-D Functionality

ECOS-D is a powerful, software defined technology. Operating modes include analog conventional, DMR Tier II and III, and P25 Phase 1. Users configure ECOS-D to operate in the mode that suits their needs. ECOS-D can be configured as a single site, simulcast, multicast or hybrid architecture. All modes and architectures are included in the same Radio Base Station—users configure the combination of operating mode and architecture that suits their needs. ECOS-D is a self-healing system with system resiliency “designed in.”

ECOS-D has the unique ability to operate in simulcast mode with the same radio base station (RBS). No matter the role—simulcast master, slave or back-up master—the same RBS is used, configured differently for the role it plays in the system. The ECOS-D simulcast solution incorporates the voting, synchronization, and equalization inside the RBS—no need for external boxes and devices.

ECOS-D provides critical communications operators the flexibility to connect their existing LMR equipment and infrastructures to provide a smooth migration to the new critical communications ECOS-D platform with interface options to commercial/public systems such as PTTOverCellular.

ECOS-D provides the ability to integrate voice and data applications independent of the technology access using industry open standards. ECOS-D provides the opportunity to integrate wireless narrowband mission critical data systems with broadband non-mission critical systems such as 4G /LTE with Leonardo’s Communications Service Platform (CSP).



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