



L3HARRIS™
FAST. FORWARD.

POWERING
MISSION-CRITICAL
COMMUNICATIONS

Utility Solutions



ROBUST MISSION-CRITICAL CONNECTIVITY

At the core of each Utility's continuous improvement strategy is the safe, secure and reliable operation of their energy grid. As they work to improve efficiencies, enhance worker safety and keep customers connected, they are increasingly reliant on robust enterprise-wide access to mission-critical voice and data for actionable intelligence.

L3Harris Utility Solutions offer an unparalleled range of capabilities, interoperability, advanced functionality and broadband networked connectivity to enhance critical grid operations and performance.

- > Converged radios with built-in broadband LTE for video and data information flow between operations, field crews and outage response systems
- > Interoperable, enterprise network connectivity built on open standards and flexible migration paths from legacy systems to systems built on open standards
- > LTE radios and advanced applications eliminate the need for mobile users to carry multiple devices, allowing them to consolidate multiple single-purpose networks into one multi-purpose network
- > Powerful network connectivity enhances Situational Awareness, workflow simplification and worker status—plus communication with enterprise-critical assets and Intelligent Electronic Devices
- > Broad portfolio of products and tiered service plans give organizations more budget and planning choices



CONVERGED CONNECTIVITY
Built-in LTE*, Wi-Fi®, Bluetooth® and GPS

SECURE COMMUNICATIONS
Multiple data and voice encryption options

LOUD, CLEAR AUDIO
Advanced noise cancellation for clarity in challenging environments

PROVEN INTEROPERABILITY
Adheres to P25 and LTE standards

EASY AND INTUITIVE EXPERIENCE
Color user interface and simplified menu access

*Future release for XL Mobile radios

XL FAMILY OF RADIOS **MORE WAYS TO CONNECT IN MORE PLACES**

The XL FAMILY of radios features industry-leading connectivity in extreme environments and challenging outage events. These LTE-enabled, Land Mobile Radios (LMR) deliver robust voice, video and data connectivity far beyond regional boundaries—allowing operational centers as well as teams on the move to share real-time Situational Awareness on public and private LTE networks. Our XL FAMILY is ruggedized to meet MIL-SPEC standards with additional options for intrinsically safe configurations.

BeOn®

BROADBAND PTT CONNECTIVITY

BeOn allows Utilities to operate LMR features through LTE or Wi-Fi, supplementing LMR network coverage.

This mobile Push-To-Talk (PTT) application gives users the same fleet management and security experience as P25 networks, while extending critical connectivity far beyond regional boundaries.

- > Affordably deploy to subcontractors for storm restoration and in RF deprived environments without the expense of a radio
- > Provides an economical migration path to P25 from legacy systems
- > Secures communications via end-to-end encryption
- > Reduces traffic load on LMR systems by diverting traffic to broadband communications



VIDA®

END-TO-END NETWORK SOLUTION

VIDA simplifies today's IT and IoT complexities through a single platform which unifies enterprise-wide LMR and broadband LTE communications.



SCALABLE PLATFORM IMPROVES EFFICIENCIES AND REDUCES COST

Utilities no longer have to struggle with disparate voice, data and automation technologies. This scalable platform manages their network, seamlessly adds devices and pushes software updates to remote sites and devices via Over-The-Air-Programming.

- > VIDA's converged technologies are engineered to meet diverse needs; service, operations, enterprise automation and IT
- > Secures information with hardened infrastructure security, 256-bit AES

encryption and ongoing updates to meet cybersecurity and network security standards

- > Provides broad, enhanced access through cloud-ready, virtualized core
- > Improves Situational Awareness, worker efficiency and safety through rich, LTE broadband data
- > Resilient, high availability operations with industry-leading redundancy across 4 servers in multiple geographic locations
- > Standards-based interoperability gives organizations greater choice of complimentary 3rd-party technologies

This IP-based system has a modular, tiered architecture so Utilities can add features over time as needs change and budgets allow. This reduces the need for additional hardware purchases and installation downtime. VIDA is standards-based, supporting video, high-speed data and voice without limiting users to a single-access technology and the inevitable tradeoffs in coverage, cost and features. Organizations can leverage XL FAMILY devices with VIDA to interface with 3rd-party devices and enterprise applications, streamlining workflow and data collection for outage management and Distribution Automation (DA) systems.

FIXED INFRASTRUCTURE COMMUNICATIONS FLEXIBLE ASSET MONITORING

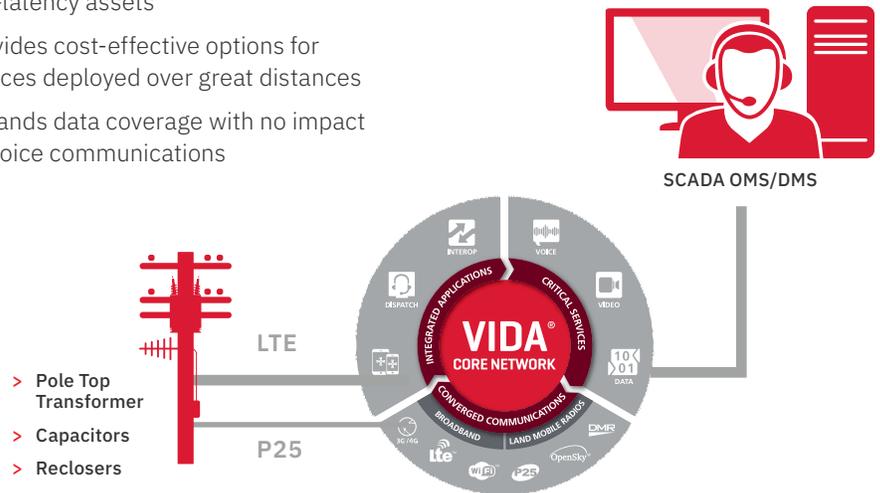
VIDA's ability to interconnect with enterprise DA and SCADA systems gives Utilities more choices for efficient management of infrastructure assets.

SYSTEM SUPPORTS BANDWIDTH FLEXIBILITY

Utilities can employ LMR to monitor critical assets including capacitor banks, voltage regulators and switch gear, then use LTE for higher bandwidth devices and IP/Ethernet communication. LMR can also be a failover option if an emergency interrupts LTE connectivity, and vice versa.

L3Harris LMR radios deliver even greater flexibility with power up to 30 watts for extended range. This gives Utilities new and cost-effective options to monitor edge devices, IEDs and stranded assets deployed over great geographical distances.

- > High Velocity Data channel and flexible bandwidth support more efficient monitoring of high and low-latency assets
- > Provides cost-effective options for devices deployed over great distances
- > Expands data coverage with no impact on voice communications



LOCATION SERVICES FASTER RESPONSE, ENTERPRISE SYSTEM CONNECTIVITY

Location Services harness the VIDA StatusAware app plus In-Band GPS and Tier 2 GPS to deliver a real-time status of workers and assets when a radio is keyed—driving faster response times.

Critical operations and Outage Management are streamlined by integrating dispatch and Automatic Vehicle Location systems into a single, graphics-based interface.

- > Real-time view of all personnel and assets drives faster incident response and resolution
- > Single source for critical information eliminates management of multiple terminals
- > Integrates with BeOn® to extend services to broadband-ready radios and smart devices



SYMPHONY™

CONDUCT DISPATCH YOUR WAY

Symphony gives Utilities a clear view of the full operational picture along with secure end-to-end communications. This advanced application simplifies complex operations through a logical on-screen interface so dispatchers can customize their most-used functions to increase productivity.

Symphony's patented Baton™ technology extends the user interface to dispatch terminals. This provides a full integration of LMR communications and dispatch operations on a single monitor, mouse and keyboard.

Engineered for maximum flexibility, this application supports multiple screen configurations for scenarios ranging from outage situations to shift changes.

- > Maximizes productivity for high-velocity communications with a customizable interface
- > Simplifies complex tasks by integrating critical communications and dispatch on a single screen
- > Integrates with SIP telephony
- > Provides a customizable feature set and scalable capacity
- > Secure dispatch communications with end-to-end encryption



CYBERSECURITY RESILIENT AND RELIABLE PROTECTION

As Utilities modernize their grids—making them smarter and more robust—information security planning, strategies and abilities are paramount. L3Harris addresses evolving and ongoing challenges with a comprehensive portfolio of security products and services, including network hardening, threat detection and mitigation, and access controls.

These cybersecurity solutions for wireless communication systems are designed to meet U.S. federal and industry standards and best practices.

This offering leverages industry-leading engineering expertise and technologies to combat the risks associated with processing, transportation and storing of critical data. L3Harris expertise and commitment to security has allowed us to successfully deploy communications networks for some of the world's most security-conscious agencies.

- > **Access Control** provides measures for information to only be processed by authorized personnel
- > **Computer Security** works to protect sensitive information from unauthorized disclosure

- > **Vulnerability Assessments** are used to identify malware, missing system patches and configuration flaws
- > **Security Update Management Services** simplifies installation of validated software to combat emerging and evolving threats
- > **Network Security** enhances system resiliency to recover from threats, faults and natural disasters
- > **End-To-End Encryption** is used to secure communications between radio end points and dispatch





MANAGED SERVICES

MAXIMIZE SYSTEM PERFORMANCE AND PROTECT INVESTMENTS

BROADBAND MANAGED SERVICES

L3Harris Broadband Managed Services are a fast, simple and affordable way for Utilities to roll out 4G LTE broadband data connectivity.

- > 4G broadband connectivity is set up and managed directly through L3Harris
- > Robust data services are provided through a nationwide network
- > Flexible, affordable, prepaid plans can be pooled across all active devices within a group
- > Manage usage, assign devices and control data through a single, versatile portal

INFRASTRUCTURE MANAGED SERVICES

L3Harris Infrastructure Managed Services provide expert services to enhance safe, secure and reliable system operations while maximizing performance, capabilities and protecting investments.

- > Flexible, tiered plans range from standard to enhanced maintenance, software refreshes and equipment repairs
- > Cybersecurity assessments address network vulnerabilities
- > Choice of plans meet a variety of organizational needs, schedules and budgets
- > Experienced L3Harris Network Operations Center personnel provide real-time, 24/7/365 remote monitoring of your system

TERMINAL MANAGED SERVICES

L3Harris Terminal Managed Services help extend the lifespan of handheld and mobile radios and keep them operating at peak performance.

- > Range of service plans in three cost-effective tiers
- > Support for product operations, programming, maintenance and troubleshooting by our experienced Product Specialists and System Engineers are available by phone or online
- > Options for timely software enhancements and upgrades to new capabilities
- > Opportunities to improve operator skills through virtual or on-site training sessions



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Powering Mission-Critical Communications: Utility Solutions

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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