MESHCOMM® ENGINEERING

XetaLynk™ for Systems | Built for Faster Time-to-Market

A Platform Architecture That Scales With Your System

Platform Architecture

On System - Industrial embedded hardware - Cellular (Cat-M1 / NB-IoT or Cat-4) - CAN bus, Ethernet, GNSS, digital I/O - Designed for vibration, power variation,
and long runtimes

Off System - Secure device provisioning - OTA firmware and application updates - Management, alerting, and diagnostics - Data routing to OEM or customer systems

Integration Layer - SDKs and APIs for custom applications — Modular, no forced backend lock-in — Enables system-specific logic, workflows, and management at scale via API — Optional RTK correction service integration, leveraging established provider relationships to simplify high-precision GNSS deployment

Connectivity, Security, Commercials

Connectivity Where Robots Actually Deploy - Worldwide cellular: 197 countries, 700+ providers - Multi-network SIM support - Designed for roaming and rural coverage - Satellite (Starlink) support in progress

Security & Compliance - End-to-end TLS encryption - AES 256 bit encrypted storage - OTA security controls - Designed to support SOC2 / CMMC environments

Commercial Model (Designed to Scale) - Structured for pilot, production, and scale deployments

Integration scoped to system requirements—no fixed packages or forced bundles

Hardware and connectivity priced based on volume and deployment profile

Platform services aligned to operational usage, not experimental prototypes

XetaLynk™ for Systems: Built for complex, connected systems operating in real world environments.

If connectivity is slowing your launch or increasing risk, let's talk.

MeshComm Engineering®

***Just* CONNECT. BUILD. SHIP.**

MESHCOMM® ENGINEERING

XetaLynk™ for Systems

A production-ready connectivity platform for complex systems in real-world environments.

The Business Problem

The average time to bring a complex, connected product to market has grown from 18–24 months to nearly four years.

- Engineering reliable operation over inherently variable wireless connectivity requires weeks of development and field testing to handle latency, packet loss, and network variability.
- Regulatory and carrier certifications take months to complete and often introduce late-stage hardware or firmware changes.

The Hidden Cost of Building Connectivity In-House

- Developing system management capabilities—including activation, updates, and recovery—requires on-device and server infrastructure, adding cost, complexity, and time.
- Cloud connectivity introduces immediate cost and schedule impact to implement required security controls.

The Business Case

XetaLynk™: Removing Connectivity From the Critical Path

What changes with XetaLynk™:

- 12–15 months faster time to market
- ~1/10th the cost of building and maintaining connectivity internally
- Carrier and regulatory certifications completed
- Production-ready connectivity that operates reliably over variable wireless conditions, without weeks of custom integration and field hardening
- Secure OTA updates and system management
- Infrastructure that scales from pilot to fleet, without creating a permanent operational burden
- Programmable connectivity and compute platform that can be adapted to system specific needs, without rebuilding core connectivity infrastructure

BUILD vs. BUY

Why build connectivity infrastructure when you can launch faster with **XetaLynk™?**

Build In-House		XetaLynk™
12-18 months	TIME TO PRODUCTION	Weeks to months
~$500K+ (engineering & infra)	UPFRONT COST	~$20K-$50K (integration)
Ongoing internal obligation	ONGOING MAINTENANCE	Included in platform
Owned by internal team	CARRIER/CERT RISK	Handled by platform
Diverted to connectivity	ENGINEERING FOCUS ON CORE IP	Maintained on core IP

The XetaLynk™ Advantage

Launch Faster
Go from weeks, not years.

Lower Upfront Cost
Save hundreds of thousands in engineering and infra.

Reduce Risk
We handle carrier, certification & maintenance..

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