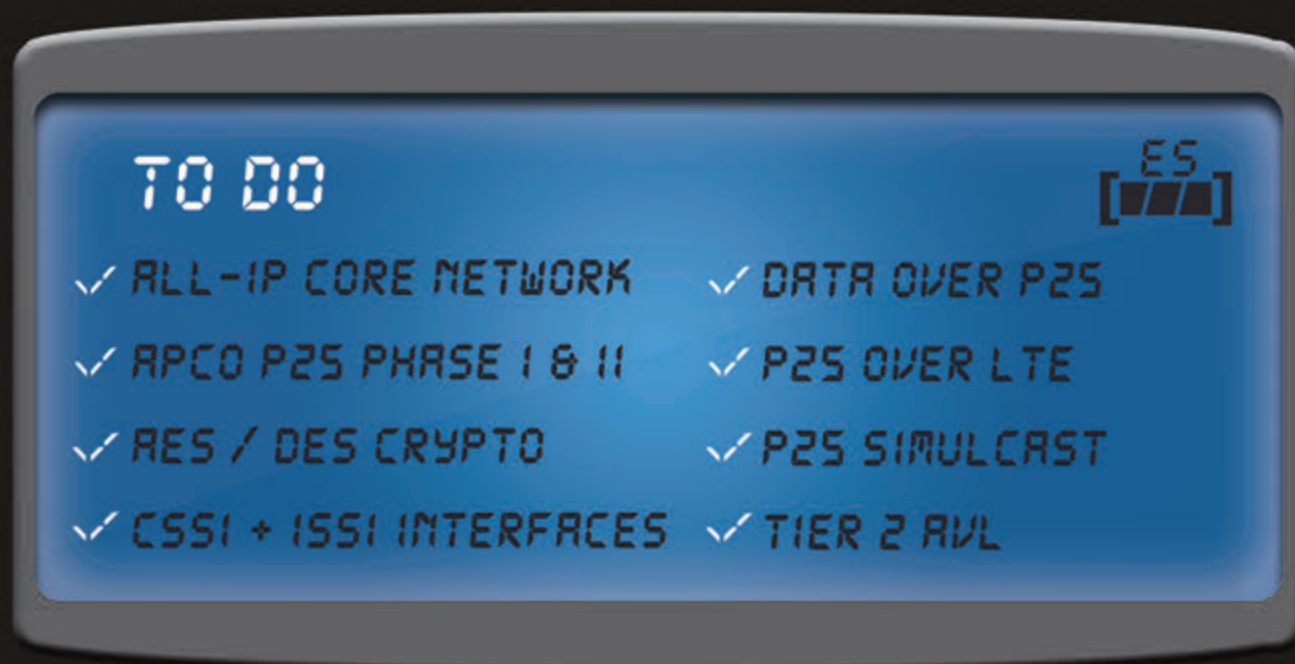




# We know **Innovation.**



## THE ORIGINAL RADIO COMMUNICATIONS SPECIALISTS.

Etherstack was the first company in the world to specialize in LMR air interface software. We have provided standards-based protocol stacks to the world's major radio manufacturers for almost twenty years.

As pioneers in the SDR industry, we've maintained an innovative culture that has allowed us to become frontrunners of other radio technologies like CSSI and ISSI interfaces, LTE25 (P25 over LTE) and RMU25 (industrial control data over P25).

Talk to us about your wireless communication needs and let us introduce you to our partners.

**Building robust, interoperable radio solutions is our passion.**



# We know **Innovation.**

## LOC

P25 Local  
Operations Center

- ➔ Blue Force Tracking
- ➔ Customized utilities solution
- ➔ Google Earth integration
- ➔ 6 groups monitored simultaneously
- ➔ Transmits to 1 or more groups concurrently
- ➔ Displays Emergency Call indicators
- ➔ Voice call to any user in area
- ➔ Full AES & DES encryption support to the desktop PC



## P25 VOICE AND LOCATION SERVICES - DELIVERED TO YOUR DESK.

Local Operations Center brings location services and P25 voice communications to the desktop. With click-to-talk capability, the operator can locate a team member with Google Maps and initiate a call or send a message.

This software application integrates seamlessly with Google Maps and operates on a standard Windows 7 desktop. It is easy to use and allows the operator to communicate with six different groups simultaneously.

Using Google Earth enables the vehicle location data

(derived from on-board GPS enabled P25 radios) to be updated on the users' Local Operations Center.

The safety of field operations is enhanced using the Emergency Call and zoom feature. This allows the operator to zoom in to a location, initiate a voice call and provide status updates.

With Google Maps and Tier 2 AVL services the operator can locate a unit and quickly establish the Status, State, Group, Speed, Latitude and Longitude.



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## LTE25

Connect your teams

- ➔ Mission critical, high security solution
- ➔ PTT group calls between LTE and P25 networks
- ➔ End-to-end encryption between LTE and P25
- ➔ OTAR (over the air rekeying) support
- ➔ Common management tools (e.g. Etherstack's LOC)
- ➔ Native P25 application runs on Android Client
- ➔ Native P25 vocoder



## SEAMLESS P25 OVER LTE. FUTURE PROOF INNOVATION.

Etherstack's LTE25 provides seamless, push-to-talk P25 over LTE communication, giving users greater control in the palm of their hand.

The solution helps to future proof your infrastructure, providing flexibility and interoperability both now and in the future.

The heart of solution is the LTE25 Softswitch, which manages calls and services within the overall PTT-over-Cellular solution and interfaces to third party LMR networks.

Besides the softswitch, an LTE25 Android or iOS client application and five other optional IP-based network elements create a complete solution for every application.

These network elements can host multiple end customer organizations in a multi-agency solution. With CSSI and ISSI interfaces, we can provide complete IP solutions suitable for any regional or metropolitan voice and data network.

Etherstack's LTE25 solution provides the perfect blend for the migration of narrowband to LTE.



The Radio Wave Building  
49 W. 27th Street  
New York, NY 10001  
917-661-4110

Want to learn more about LTE25?  
Email us at [solutions@etherstack.com](mailto:solutions@etherstack.com).





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## RMU

Radio Modem Unit

- ➔ Secure industrial control
- ➔ Data comms over P25 networks
- ➔ IP-connected SCADA master
- ➔ Sends and receives data
- ➔ Ethernet, serial RS232 and general purpose I/O ports
- ➔ Rugged aluminum case
- ➔ Robust AES & DES encryption
- ➔ VHF, UHF, and 700/800 MHz bands
- ➔ Integrated voice and data network



## SECURE INDUSTRIAL CONTROL FOR THE UTILITIES INDUSTRY.

Etherstack has released the first custom designed SCADA P25 data modem. Designed to work on both P25 conventional and trunking networks, the RMU (Radio Modem Unit) supports SNDCP data and also the DNP3 protocol for SCADA systems. Encapsulated in a robust aluminum case, it can be mounted outdoors and meets IP67 requirements. Serial and Ethernet connections can be provided as well as digital I/O.

When used in conjunction with an Etherstack based P25 trunked radio network core, the unit can intelligently share traffic channels with voice traffic with a range of call priority options allowing the most efficient use of radio network resources.

Robust AES & DES 256 bit encryption is available to meet critical infrastructure requirements.



The Radio Wave Building  
49 W. 27th Street  
New York, NY 10001  
917-661-4110

Want to learn more about the RMU?  
Email us at [solutions@etherstack.com](mailto:solutions@etherstack.com).