UTILITY PRIVATE LTE NETWORKS

Do you have a strategy for the future of your grid communications?

UBBA
Utility Broadband Alliance

Why Are Utilities Looking at Private LTE for Connectivity?

Utility leaders are creating strategic plans to address clean energy objectives, while modernizing and digitalizing the power grid.

To support their vision, utilities must consider some key aspects of Private LTE Networks.

KEY UTILITY DRIVERS FOR PRIVATE LTE NETWORKS

⇒ **Reducing O&M Costs**

- ◊ OPEX cost reductions are on the minds of all utility leaders as they plan for network upgrades

⇒ **Managing Risk and Cyber Threats**

- ◊ Secure and encrypted networks are critical factors in keeping your utility's network and data safe

⇒ **Increasing Resiliency and Reliability of the Grid**

- ◊ More monitoring, control and security, while providing better asset management and predictive maintenance

⇒ **Preparing for Capacity, Demand & DERs**

- ◊ Create the self-healing grid to identify & manage outages and adjust energy distribution according to supply and demand

⇒ **Grid Modernization, Digitalization & Protecting Investments**

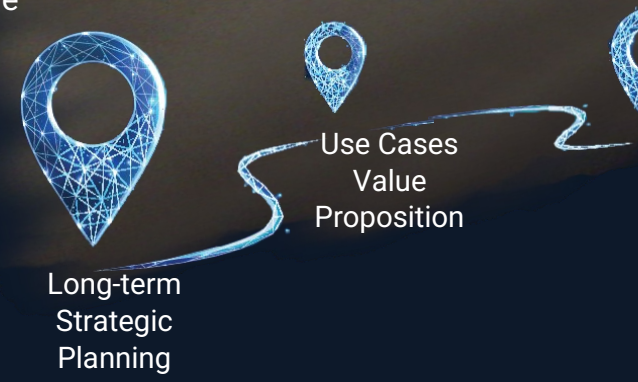
- ◊ Communication to tens of thousands of devices helps utilities to more efficiently deliver energy, improve customer engagement, and increase grid resiliency

⇒ **Controlling Deployment Strategies & Migration**

- ◊ Don't just "rip-and-replace" networking infrastructure every five to ten years. P-LTE provides a smooth migration path to maximize value of existing investments while taking advantage of new technological innovations

⇒ **Flexibility for Data Analytics, AMI 2.0 & Future Use Cases**

- ◊ Private LTE is critical to the development of innovative Internet of Things (IoT) applications



With a Private LTE network strategy, utilities can increase operational efficiency, improve customer engagement, add renewable energy resources, and continue to provide their customers with secure, reliable, and sustainable energy services.

Replacing multiple disparate wireless and wireline networks with LTE may be a daunting task without any tested blueprint. Utilities considering LTE face regulatory, technical, operational, and financial challenges.

UBBA Member Utilities may be at various places in the LTE journey, however they are willing to share knowledge

WHERE ARE YOU ON THE PRIVATE LTE JOURNEY?

UBBA Utility Members Showing The Way

NY Power Authority · FPL · Southern California Edison · Ameren · Southern Linc · JEA · Hawaiian Electric · SDGE · evergy · OGE · Exelon · PG&E · Xcel Energy · nrtc · American Electric Power · Alliant Energy

Wherever you are, UBBA is here to help

UBBA members collectively bring the expertise needed to successfully implement LTE strategies. From utilities and technology suppliers to engineering and consulting companies, the Utility Broadband Alliance is dedicated to accelerating the journey toward a secure, resilient and future-proof grid.

Scan QR code & Join Us!

See the current UBBA Members taxonomy on the back page...

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Private LTE Networks - Vendor Ecosystem Taxonomy of UBBA Members

As of 1-1-2023

CONSULTING & ENGINEERING SERVICES

ADB
ALTAIRIS TECHNOLOGY PARTNERS
BURNS McDONNELL
Bridgewater CONSULTING GROUP
cambridge consultants Part of Capgemini Invent
CDM Smith
CYIENT
L&W
Palmetto Technology Associates
westMONROE
World Wide Technology

GRID AUTOMATION & CONTROL

Hitachi Energy
HUBBELL
NovaTech AUTOMATION
GE
S&C
Sentient ENERGY

LTE UEs & EQUIPMENT

4RF
BEC TECHNOLOGIES
COUNCILROCK Smart Private Networks
Charles an Amphenol company
DIGI
L3HARRIS
MULTITECH
PowerTrunk
STREAMWIDE

LTE ANTENNAS & WIRELESS BACKHAUL

ALPHA WIRELESS
Aviat NETWORKS
Baicells
CERAGON
CROWN CASTLE
PCTEL
SITENNA
UBIIK

LTE NETWORK CHIPSETS & MODULES

intel
Kigen
Telit
THALES
SEQUANS
Qualcomm

AMI

Aclara
CrescoNet
easymetering
Itron
Landis+Gyr

EPC & SaaS

amdocs
Druid

CYBERSECURITY

NETSCOUT
ONELAYER
Q-Net Security

VARS

DoubleRadius
tessco
wesco

LTE INFRASTRUCTURE

CISCO
ERICSSON
MOTOROLA SOLUTIONS
NOKIA

SPECTRUM & CELLULAR SERVICE PROVIDERS

Anterix
Select Spectrum
verizon
uscellular BUSINESS