

The Private LTE Network Ecosystem: 2016 – 2030 – Opportunities, Challenges, Strategies, Industry Verticals & Forecasts

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Abstracts

For years, the critical communications industry has relied on narrowband LMR (Land Mobile Radio) networks for mission-critical voice and basic data services. Due to the bandwidth limitations of these LMR networks, public safety agencies and other users within the critical communications industry have turned towards commercial LTE networks to support growing demands for mobile broadband services such as video transmission and bandwidth-intensive field applications.

However, most commercial LTE networks do not necessarily meet the priority, security, resilience and availability requirements of the critical communications industry. By providing authority over coverage and capacity, private LTE networks can alleviate these concerns while delivering guaranteed connectivity.

Expected to surpass \$800 Million in global investments by the end of 2016, private LTE networks are increasingly becoming the preferred approach to deliver mobile broadband services in the critical communications industry. Fueled by large-scale rollouts in the public safety, energy and other sectors, the market is further expected to grow at a CAGR of 32% between 2016 and 2020.

The “Private LTE Network Ecosystem: 2016 – 2030 – Opportunities, Challenges, Strategies, Industry Verticals & Forecasts” report presents an in-depth assessment of the private LTE network ecosystem including technology, architectural components, operational models, key trends, market drivers, challenges, vertical market opportunities, applications, deployment case studies, spectrum allocation, standardization, regulatory landscape, future roadmap, value chain, ecosystem player profiles and strategies. The report also presents forecasts for private LTE network

infrastructure investments from 2016 till 2030. The forecasts cover 3 submarkets, 5 vertical markets and 6 regions.

The report comes with an associated Excel datasheet suite covering quantitative data from all numeric forecasts presented in the report.

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LIST OF COMPANIES MENTIONED

3GPP (3rd Generation Partnership Project)
Abu Dhabi Police
Accelleran
Adax
ADCOM-911 (Adams County Communications Center)
Addis Ababa Light Rail
Advantech
Advantech Wireless
Affirmed Networks
Airbus Defence and Space
Airbus Group
Air-Lynx
Airspar Networks
Airwave
Alcatel-Lucent
Alstom
Altiostar Networks
Ambulance Victoria
Amdocs
Anritsu Corporation
Ansaldo STS
Arcadyan Technology Corporation
Argela
Aricent
ARItel
Arqiva
Artemis Networks
Aselsan
ASOCS
ASTRI (Hong Kong Applied Science and Technology Research Institute)
ASTRID
AT&T
Athena Wireless Communications
Athonet
Atlas Telecom
Avanti Communications Group
Aviat Networks
Axis Teknologies

Axxcelera Broadband Wireless (Moseley Associates)
Barrett Communications
Beach Energy
Bilbao Metro
Black Box Corporation
Blackned
Bombardier Transportation
Broadcom
Brocade Communications Systems
BT Group
BTI Wireless
Busan Transportation Corporation
CalAmp Corporation
Cavium
CCI (Communication Components Inc.)
CCI (Competitive Companies, Inc.)
Ceragon
Challenge Networks
China Southern Power Grid
Ciena Corporation
Cisco Systems
Cobham
Codan Radio Communications
Comba Telecom Systems Holdings
CommAgility
CommScope
Contela
Core Network Dynamics
Coriant
Corning
County of Los Angeles
Crown Castle
Cybertel Bridge
Cygnus Satellite
Dali Wireless
Datang Mobile
DeltaNode (Bird Technologies)
DNK (Norwegian Directorate for Emergency Communication)
Dongwon T&I

DragonWave
Dubai Police
EA Networks (Electricity Ashburton)
EchoStar Corporation
EE
Elbit Systems
Elta Systems
Ericsson
Esharah Etisalat Security Solutions
ETELM
Etherstack
Ethertronics
ETRI (Electronics and Telecommunications Research Institute, South Korea)
ETSI (European Telecommunications Standards Institute)
EUAR (European Union Agency for Railways)
Exalt Communications
Exelis
EXFO
Expway
ExteNet Systems
Federated Wireless
FirstNet (First Responder Network Authority)
Fraunhofer Fokus
French Army
Fujitsu
Galtronics Corporation
Gemtek Technology Company
GENBAND
General Dynamics Corporation
General Dynamics Mission Systems
German Armed Forces (Bundeswehr)
Goodman Networks
Google
Grant County Sheriff's Department
GWT (Global Wireless Technologies)
Harris Corporation
Harris County
Hitachi
Home Office, UK

HPE (Hewlett Packard Enterprise)
Huawei
Hytera Communications Company
IAI (Israel Aerospace Industries)
INET (Infrastructure Networks)
InfoVista
Inmarsat
Intel Corporation
InterDigital
ip.access
Itelazpi
ITU (International Telecommunication Union)
JMA Wireless
JRC (Japan Radio Company)
Juni Global
Juniper Networks
JVCKENWOOD Corporation
Kapsch CarrierCom
Kathrein-Werke KG
Kenyan Police Service
Keysight Technologies
Kodiak Networks
Koning & Hartman
Korail (Korea Railroad)
Korea Rail Network Authority
KT Corporation
Kudelski Group
L-3 Communications Holdings
LA-RICS (Los Angeles Regional Interoperable Communications System)
Lemko Corporation
Leonardo-Finmeccanica
LG CNS
LGS Innovations
Ligado Networks
Lijiang Police
Lockheed Martin Corporation
Marlink
MER-Cello Wireless Solutions
Mitel Networks Corporation

Mitsubishi Electric Corporation
MOF (Ministry of Oceans and Fisheries, South Korea)
MOLIT (Ministry of Land, Infrastructure and Transport, South Korea)
Motorola Solutions
MPS (Ministry of Public Security, China)
MPSS (Ministry of Public Safety and Security, South Korea)
MSB (Swedish Civil Contingencies Agency)
Mutualink
Nanjing Municipal Government
NEC Corporation
Nedaa
Nemergent
Netas
New Postcom Equipment Company
NI (National Instruments) Corporation
Nokia Networks
Northrop Grumman Corporation
NTT DoCoMo
Nutaq
O3b Networks
Oceus Networks
Octasic
Panda Electronics (Nanjing Panda Electronics Company)
Panorama Antennas
Parallel Wireless
Pepro
PetroChina
PMN (Private Mobile Networks)
Polaris Networks
Port of Tianjin
Potevio (China Potevio Company)
Public Wireless
Qatar MOI (Ministry of Interior)
Qualcomm
Quanta Computer
Qucell
Queensland Police Service
Quortus
Radisys Corporation

Raytheon Company
Redline Communications
RFS (Radio Frequency Systems)
Rio Tinto Group
Rivada Networks
Rohill
Royal Dutch Shell
Safaricom
Samji Electronics Company
Samsung Electronics
Selex
Sepura
SerComm Corporation
SES
Shanghai Police Department
Shuohuang Railway
Siemens
Sierra Wireless
Siklu
Simoco
SiRRAN
SK Telecom
SK Telesys
SLA Corporation
SLC (Secure Land Communications)
SOLiD (SOLiD Technologies)
Sonim Technologies
Southern Company
SouthernLINC Wireless
Space Data
Spectra Group
SpiderCloud Wireless
Spirent Communications
Star Solutions
State of New Jersey
State of New Mexico
State of Texas
State Security Networks Group, Finland
Statoil

Sunnada (Fujian Sunnada Communication Company)
Tait Communications
Tampnet
Taqua
TCCA (TETRA and Critical Communications Association)
TCL Communication
Tecom
Tecore
TEKTELIC Communications
Telefónica
Telenor Maritime
Telrad Networks
Telstra
Teltronic
Telum
TEN (Texas Energy Network)
Thales
TI (Texas Instruments)
Tropico
TrustComm
TTA (Telecommunications Technology Association, South Korea)
TxDPS (Texas Department of Public Safety)
U.S. Department of Commerce
U.S. FCC (Federal Communications Commission)
U.S. Navy
U.S. NPSTC (National Public Safety Telecommunications Council)
UANGEL
UIC (International Union of Railways)
URSYS
Utility Associates
Verizon Communications
ViaSat
Viavi Solutions
Vientiane Municipal Police
VIRVE
Vodafone
Weijiamao Coal Mine
WNC (Wistron NeWeb Corporation)
xG Technology

Z-Com (ZDC Wireless)

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