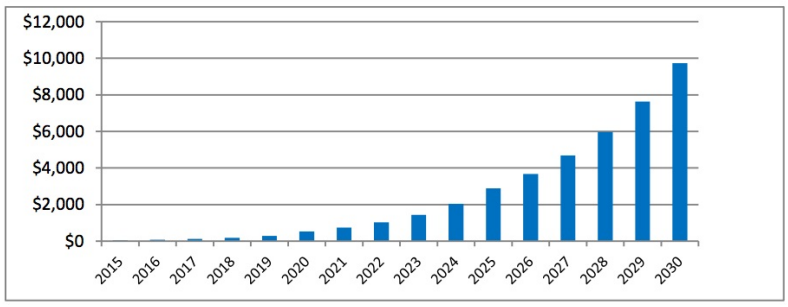
The C-RAN Ecosystem Report - C-RAN infrastructure investments to surpass $7 Billion by 2016

4G-Reports.com's latest report indicates that mobile operators are expected to invest over $7 Billion in C-RAN infrastructure rollouts by the end of 2016.



Global Virtualized RAN Investments: 2016 - 2030 ($ Million) - C-RAN Ecosystem Report

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LONDON, UK, January 20, 2016 /EINPresswire.com/ -- 4G-Reports.com (https://www.4g-reports.com/The%20C-RAN%20(Centralized%20Radio%20Access%20Network)%20Ecosystem) has announced the addition of the "The C-RAN (Centralized Radio Access Network) Ecosystem: 2016 – 2030 – Opportunities, Challenges, Strategies and Forecasts" report to their offering.

C-RAN is an architectural shift in RAN (Radio Access Network) design, where the bulk of baseband processing is centralized and aggregated for a large number of distributed radio nodes. In comparison to standalone clusters of base stations, C-RAN provides significant performance and economic benefits such as baseband pooling, enhanced coordination between cells, virtualization, network extensibility, smaller deployment footprint and reduced power consumption.

> Over $1 Billion of all C-RAN architecture network investments will be directed towards 5G networks by the end of 2020.
>
> *Joe Moore, 4G-Reports*

Although Japan and South Korea continue to spearhead commercial C-RAN investments, interest is also growing in other parts of the world. Mobile operators such as China Mobile, Orange, Verizon and Sprint are already investing in the technology.

Analysts estimate that global investments on C-RAN architecture networks will reach over $7 Billion by the end of 2016. The market is further expected to grow at a CAGR of nearly 20% between 2016 and 2020. These investments will include spending on RRHs (Remote Radio Heads), BBUs (Baseband Units) and fronthaul transport networking gear.

The “C-RAN (Centralized Radio Access Network) Ecosystem: 2016 - 2030 – Opportunities, Challenges, Strategies & Forecasts” (https://www.4g-reports.com/The%20C-RAN%20(Centralized%20Radio%20Access%20Network)%20Ecosystem) report presents an in-depth

assessment of the C-RAN ecosystem including enabling technologies, key trends, market drivers, challenges, standardization, regulatory landscape, deployment models, operator case studies, opportunities, future roadmap, value chain, ecosystem player profiles and strategies. The report also presents forecasts for C-RAN infrastructure investments from 2016 till 2030. The forecasts cover 3 individual submarkets and 6 regions.

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

Key Findings

- Expected to surpass $7 Billion in global spending by the end of 2016, C-RAN is increasingly becoming the preferred approach to deploy future mobile networks for both macro and small cell coverage. The market is further expected to grow at a CAGR of nearly 20% between 2016 and 2020.
- To alleviate stringent fronthaul requirements, an increasing number of C-RAN solutions are now utilizing RRHs with baseband capabilities, allowing some intelligence (primarily Layer 1 and Layer 2) to be distributed among RRHs, with Layer 3 functionality residing at centralized BBUs.
- The ongoing 5G race is expected to significantly boost C-RAN investments over the coming years. Analysts estimate that over $1 Billion of all C-RAN architecture network investments will be directed towards 5G networks by the end of 2020.
- At present, most virtualized Cloud RAN investments are limited to trials and demonstrations. However, by the end of 2020, we expect that virtualized BBUs will account for over 6% of all C-RAN BBU investments.

Companies Mentioned:
- 3GPP (3rd Generation Partnership Project)
- 6WIND
- Absolute Analysis
- Accelink Technologies
- ADLINK Technology
- ADTRAN
- ADVA Optical Networking
- Advantech
- Airspan Networks
- Airvana
- Alcatel-Lucent
- Altera Corporation
- Altiostar Networks
- Amarisoft
- América Móvil Group
- Anite
- Anritsu Corporation
- Aquantia
- ARM Holdings
- Artemis Networks
- Artesyn Embedded Technologies
- Artiza Networks
- ASOCS
- ASTRI (Hong Kong Applied Science and Technology Research Institute)
- Avago Technologies
- Aviat Networks

- Axxcelera Broadband Wireless (Moseley Associates)
- BLiNQ Networks
- Blu Wireless Technology
- BluWan
- BridgeWave Communications
- Broadcom Corporation
- Cambium Networks
- Cavium
- CBNL (Cambridge Broadband Networks Ltd.)
- CCS (Cambridge Communication Systems)
- Ceragon
- China Mobile
- China Telecom
- Ciena Corporation
- Cisco Systems
- Cobham Wireless
- Coherent Logix
- Comcores ApS
- CommAgility
- CommScope
- Connectem
- ConteXtream
- Coriant
- Corning
- Cyan
- Dali Wireless
- Datang Mobile
- Dish Network
- DragonWave
- eASIC Corporation
- E-Band Communications (Moseley Associates)
- EBlink
- Eden Rock Communications
- Eoptolink Technology
- Ericsson
- ETSI (European Telecommunications Standards Institute)
- Exalt Communications
- EXFO
- Extreme Networks
- EZchip Semiconductor
- FastBack Networks
- Finisar Corporation
- Freescale Semiconductor
- Fujitsu
- GigaLight (Shenzhen Gigalight Technology Company)
- GlobalFoundaries
- HFR
- HG Genuine
- Hisense (Hisense Broadband Multimedia Technology)
- Hitachi
- Huawei
- IDT (Integrated Device Technology)

- IEEE (Institute of Electrical and Electronics Engineers)
- IMEC International
- Infinera
- InnoLight Technology Corporation
- Intel Corporation
- InterDigital
- Intracom Telecom
- ITU (International Telecommunications Union)
- Ixia
- JMA Wireless
- JRC (Japan Radio Company)
- Kathrein-Werke KG
- Keysight Technologies
- Kisan Telecom
- KMW
- KT Corporation
- Lattice Semiconductor
- LG Uplus
- LightPointe Communications
- Lumentum
- Macom (M/A-COM Technology Solutions)
- MAX4G
- MEF (Metro Ethernet Forum)
- Mellanox Technologies
- Microsemi Corporation
- Microwave Networks
- MIMOon
- MIMOtech
- Mitsubishi Electric Corporation
- Mobiveil
- Molex
- MTI Mobile
- NEC Corporation
- NetScout Systems
- NGMN (Next Generation Mobile Networks) Alliance
- Nokia Networks
- NTT DoCoMo
- Nutaq
- NXP Semiconductors
- Octasic
- OE Solutions
- Orange
- Overture Networks
- Parallel Wireless
- PMC-Sierra
- Potevio (China Potevio Company)
- Proxim Wireless Corporation
- QEOS
- Qualcomm
- Qwilt
- Radisys Corporation
- RADWIN

- Rearden
- Red Hat
- Saguna Networks
- SAI Technology
- Samji Electronics Company
- Samsung Electronics
- Sarokal Test Systems
- Siklu
- SK Telecom
- Small Cell Forum
- SoftBank Mobile
- SOLiD (SOLiD Technologies)
- Source Photonics
- SpiderCloud Wireless
- Sprint
- Sub10 Systems
- Sumitomo Electric Industries
- Sunnada (Fujian Sunnada Communication Company)
- Sunwave Communications
- Tarana Wireless
- TE Connectivity
- TEKTELIC Communications
- Telco Systems
- Telecom Italia
- Telefónica
- TI (Texas Instruments)
- Transmode
- UN (United Nations)
- Verizon Wireless
- Viavi Solutions
- Vodafone Group
- Vubiq Networks
- Wind River
- Xelic
- Xilinx
- ZTE

For more information visit: https://www.4g-reports.com/The%20C-RAN%20(Centralized%20Radio%20Access%20Network)%20Ecosystem

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