

Wireless Infrastructure Transformation: 5G and Mobile Edge Computing 2017 - 2025

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Abstracts

OVERVIEW:

Fifth Generation (5G) cellular represents a gaming changing wireless infrastructure transformation for Communication Service Providers (CSP). Next generation equipment will support millimeter wave length radio frequency as well as evolution of LTE, which will be considered by many to be part of 5G heterogeneous networks. In addition, CSPs will deploy next generation equipment at Base Transceiver Stations (BTS) for Mobile Edge Computing (MEC), which will provide distributed computing and effectively transform BTS into distributed datacenters.

The combination of 5G and MEC will transform wireless carrier operations and facilitate enhanced services, new applications, and completely new business models for mobile network operators

This research provides an in-depth assessment of both technical issues (enabling technologies, 5G standardization and research initiatives, spectrum bands, etc.) and business areas (market drivers, challenges, use cases, vertical market applications, regulatory issues, trial commitments, introduction strategies, and impact to CSPs), as well as analysis of the emerging 5G ecosystem. The report includes specific ecosystem constituent recommendations and forecasts for both 5G investments, subscriptions, and more for the period of 2017 – 2025.

This research also evaluates MEC technology, architecture and building blocks, ecosystem, market drivers, applications, solutions, and deployment challenges. The report also analyzes MEC industry initiatives, leading companies, and solutions. The report includes a market assessment and forecast for MEC users and MEC revenue

globally, regionally, and within the enterprise market for years 2017 to 2021. Forecasts include MEC infrastructure (equipment, platforms, software, APIs, and services).

KEY FINDINGS:

Large-scale commercial 5G trials to increase 5X by 2021

MEC will enable new data-focused carrier revenue streams

Manufacturing to be leading IoT 5G industrial application area

MEC will be a key component to the success of 5G for new apps

MEC enables many new cloud-based apps to leverage real-time data

Leading 5G apps include IoT, Haptic Internet, Virtual Reality, and Robotics

REPORT BENEFITS:

Understand MEC technology

Understand the MEC ecosystem

Understand 5G tech and solutions

Identify MEC market opportunities

Identify company R&D strategies and plans/li>
Learn how MEC will impact industry verticals

Identify significant MEC players and offerings

Identify 5G investment targets and allocations

TARGET AUDIENCE:

Wireless service providers

5G infrastructure suppliers

Wireless device manufacturers

Big Data and analytics companies

Internet of Things (IoT) companies

Robotics and Virtual Reality suppliers

Software, Application, and Content Providers

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