Western European Mobile Operator Edge Computing Spending Forecast, 2018-2023

Market Study
Fourth Quarter, 2018

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A Market Study

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*iG*R
12400 W. Hwy 71
Suite 350 PMB 341
Austin TX 78738

Table of Contents

Abstract **1**

Executive Summary **3**

Table A: Western European Mobile Operator Build and Operating Spending on EC, 2018-2023 5

Figure A: Western European Mobile Operator Build and Operating Spending on EC, 2018-2023 5

Table B: Western European Mobile Operator Build Spending on Core Infrastructure, 2018-2023 ($M) 5

Figure B: Western European Mobile Operator Build Spending on Core Infrastructure, 2018-2023 ($M) 6

What this means **6**

Methodology **7**

What is 5G? **8**

5G Timeline **8**

Figure 1: Timeline for IMT-2020 (5G) 9

5G Use Cases **9**

URLLC **10**

Massive IoT **11**

5G Services and Use Cases **11**

What is Edge Computing? **13**

Table 1: Different Kinds of Edge Computing 14

Criteria around what goes at the edge **15**

Where can edge compute be placed? **16**

Edge computing in 4G **16**

Figure 2: The 4G LTE Network without Edge Computing 17

Figure 3: The 4G LTE Network with Edge Computing behind the EPC 17

Figure 4: The 4G LTE Network with Edge Computing in front of the EPC 18

Edge Computing and 5G **18**

Figure 5: 5G System Architecture – Network Function Interactions, Non-roaming 19

Figure 6: Non-roaming architecture for the NEF 20

Figure 7: Example of an Integrated MEC Deployment in a 5G Network 21

Figure 8: Illustrating Edge Computing in 5G 21

Figure 9: Example of an Integrated MEC Deployment in a 5G Network 23

Brief overview of MEC building blocks **23**

Figure 10: MEC Server Building Blocks 24

Figure 11: MEC Reference Architecture 25

Edge Computing with Public Cloud and the MNO **26**

Figure 12: Edge Computing with the MNO 26

Figure 13: Edge Computing with the MNO and Public Cloud 27

Figure 14: Edge Computing with the MNO, Enterprise and Public Cloud 28

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Summary **28**

Potential Use Cases for Edge Computing **29**

IoT gateway **29**

Figure 15: IoT Gateway 29

DHL Case Study 29

Texmark Case Study 29

Figure 16: Intelligent video acceleration service 31

Pros & Cons of Edge Computing **33**

Benefits of Edge Computing **33**

Cons of Edge Computing **33**

CORD and M-CORD **35**

Figure 17: MEC and CORD in the Network 35

Figure 18: Basic Structure of a Data Center 36

Figure 19: Overview of the Key Elements of M-CORD 37

Figure 20: Key Elements in Building CORD 38

Figure 21: Mobile Operator Network Architecture Today 38

Figure 22: Target Architecture (4G LTE) 39

Figure 23: M-CORD Network Architecture in 4G LTE 40

Figure 24: Today's Mobile Service/App Processing, 4G LTE 40

Figure 25: Local Breakout in 4G LTE 41

Figure 26: M-CORD and Edge Compute in a Virtualized LTE Network 41

Pros of M-CORD **41**

Cons of M-CORD **42**

Table 2: Some of the Companies Collaborating on CORD and/or M-CORD 43

News Related to CORD **43**

Western European Mobile Operator Spending on Edge Computing **46**

Methodology and Assumptions **46**

Table 3: Forecasted Western European Operator Spending on Edge Computing, 2018-2023 47

Figure 27: Forecasted Western European Operator Spending on Edge Computing, 2018-2023 48

Table 4: Forecasted Western European Operator Network Spending on Edge Computing, 2018-2023 48

Figure 28: Forecasted Western European Operator Network Spending on Edge Computing, 2018-2023 49

Table 5: Forecasted Western European Operator Operating Spending on Edge Computing, 2018-2023 49

Figure 29: Forecasted Western European Operator Operating Spending on Edge Computing, 2018-2023 50

Western European Mobile Operator Spending on Core **51**

Table 6: Western European Mobile Operator Build Spending on Core Infrastructure, 2018-2023 ($M) 51

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Figure 30: Western European Mobile Operator Build Spending on Core Infrastructure, 2018-2023 ($M).....52

Edge Computing Vendor Profiles 53

ADLINK 53
ADVA Optical Networking.....56
Affirmed Networks 58
Allied Telesis.....60
Altiostar 61
Amazon Web Services (AWS) 63
American Tower 64
Anixter 66
Aricent (Altran Group) 68
Artesyn Embedded Technologies 70
Athonet 72
AT&T 74
CBRE.....75
Cisco.....77
CommScope 80
Compass Datacenters 83
Corning SpiderCloud Wireless.....84
CPLANE NETWORKS.....87
Crown Castle 88
DartPoints 90
Dell.....92
ECI Telecom.....94
EdgeConneX 96
EdgeMicro 98
Ericsson 100
GE Digital.....103
HPE.....105
Huawei.....108
Iguazio.....110
Intel.....112
InterDigital 114
JMA Wireless.....116
Juniper Networks 118
Limelight Networks 120
Mavenir.....122
MECSware 125
NEC 127
NetFoundry 129
Nokia Networks.....131
NVIDIA 135
Packet 137
Quortus 139

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Radisys **141**
RTI (Real-Time Innovations) **145**
Saguna Networks **147**
SBA Communications Corporation (SBA) **149**
Smart Edge **151**
Sprint **152**
STRATACACHE **154**
T-Mobile US **156**
Telenity **158**
Vapor IO **159**
Vasona Networks **161**
Verizon **165**
Vertical Bridge **167**
VMware **168**
ZTE Corporation **171**

Definitions **175**
Definitions Table 175

About *iG*R **197**
Disclaimer **197**

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Abstract

Western Europe is at the forefront of 5G deployment and, as such, is also pushing ahead with edge computing. While the initial mobile 5G launches are likely to be in the U.S., European operators are expected to follow quickly in 2019. This will also involve the move to 5G New Core in late 2019 or 2020. Part of the 5G implementation process includes moving to software defined networking (SDN), network function virtualization (NFV). Edge computing (EC) and Central Office Re-architected as a Data Center (CORD) are two sub-sets of the overall shift away from the traditional network architecture to one that looks more like a data center.

Moreover, both CORD and EC are aspects of the same concept – network equipment and software moving from proprietary platforms to (open source) software running on COTS hardware.

This market study models and forecasts what Western European mobile operators will spend putting in EC into their networks. Implementation of the 5G new core is discussed because it is a related technology platform; EC and 5G new core will likely be deployed alongside each other in the mobile networks. *iG*R has therefore included its forecast for Western European mobile operator spending on building the 5G new core.

Key questions addressed in this market study include:

- What is EC? What are some of the other edge computing concepts?
- How does EC work?
- How does EC relate to other edge computing initiatives, such as OpenFog, CORD Project, Open Edge Computing (OEC), Open Compute, and EdgeX Foundry?
- What can be done with EC?
- How is edge computing implemented with public cloud?
- What are some of the perceived benefits and issues related to EC?
- What are the key drivers for implementing EC?
- What is CORD and M-CORD?
- How do CORD and M-CORD work?
- What can be done with CORD and M-CORD?

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- What are some of the perceived benefits and issues related to CORD and M-CORD?
- How much mobile operator spending is likely to occur on EC-based solutions?

Who should read this report?

- Mobile operators
- Infrastructure OEMs
- Computing infrastructure OEMs
- Public cloud vendors and OEMs
- Data center OEMs and operators
- Small cell product and solution vendors
- Backhaul service providers and equipment OEMs
- Financial analysts and investors.

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