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Edge and wireless private networks: use cases and strategies

Daniel Beazer and Mary Saunders

About this report

This report examines ten uses cases for edge compute technology combined with private wireless networks.

The report also provides recommendations for edge node vendors and other vendors that want to target this market with a joint proposition. The is based on several sources including:

- Analysys Mason's internal research and forecasts;
- interviews with end users and stakeholders in the edge compute and private wireless market.

CASE STUDIES

- BASF Tarragona
- cinfo (Spain)
- Cologne Bonn Airport
- Gestamp
- San Diego Gas & Electricity (SDGE)
- Shanxi Coking Coal Group
- The Ocean CleanUp
- U.S. Department of Defense
- University of British Columbia (UBC) smart campus
- VA Palo Alto Health Care

KEY QUESTIONS ANSWERED IN THIS REPORT

- What are the key trends in the deployment of private wireless networks and edge compute?
- Are enterprises using private on-premises networks and edge compute platforms or are they using public shared platforms?
- What are the key drivers for the adoption of edge compute with private wireless networks? How are these trends evolving, and are they the same as those anticipated 3 or 4 years ago
- What level of maturity has the market reached in terms of adoption?

WHO SHOULD READ THIS REPORT

- Teams within telecoms operators and edge node vendors that are responsible for an edge compute strategy or private wireless strategy.
- Third-party companies, such as systems integrators (SIs) or IT services companies that are interested in partnering with operators on edge or private wireless networks.
- Vendors that are looking to support their operator customers with their edge or private wireless propositions.
- Industry observers who want to improve their understanding of edge and private wireless strategies.

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About the authors

Daniel Beazer (Senior Analyst) leads Analysys Mason's *Edge and Media Platforms* research programme. His research focuses on the key building block technologies and architecture of the edge computing infrastructure currently emerging to support the delivery of applications and services for 5G, media, entertainment and other industries. Before joining Analysys Mason, he led Structure Research's Edge, 5G and Cloud practice. Daniel has worked extensively in the internet infrastructure industry in management and strategy roles and has several years' experience working as a consultant for leading vendors and investors in the space. He was educated at Oxford University where he read Ancient History and Philosophy.

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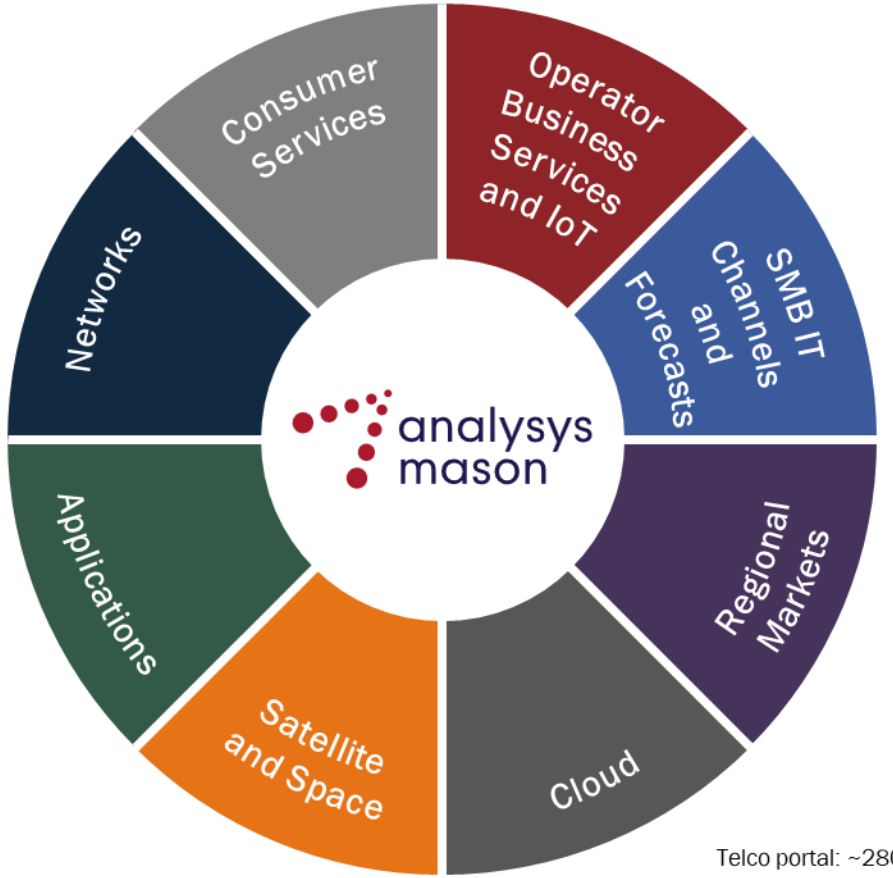

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