

Enables latency reduction, higher bandwidth utilization, and the expanded ability to rapidly process content

Multi-Access Edge Computing (MEC)

MEC creates a new ecosystem and value chain, enabling CSPs to securely open their Radio Access Network (RAN) edge to authorized third-parties while allowing them the flexibility to deploy innovative applications and services. This widens the addressable market for CSPs beyond the traditional consumer-centric business model to varied vertical markets such as automotive, health, energy, education, manufacturing, and many others.

Network virtualization adds flexibility and scalability to networks and enables CSPs to use network resources more efficiently. The ability to move network functions to the edge is a crucial element in optimizing network performance. The location of the network function becomes more relevant in a virtualized network. Multi-Access Edge Computing (MEC) allows software applications to tap into service context, local content, and real-time information on local-access network conditions. By deploying various services and caching content at the network edge, mobile core networks are alleviated of further congestion and can efficiently serve local latency-sensitive applications.

The addressable market for CSPs goes beyond the traditional consumer-centric business model to varied vertical markets and enterprises with innovative use cases, such as:

- Real-time Video Analytics
- Internet-of-Things (IoT)
- Virtual Reality (VR)
- Optimized Local Content Distribution
- Location Based Services
- Augmented Reality (AR)
- Connected Manufacturing
- Data Caching

Mavenir's fully virtualized RAN and small footprint [vEPC](#), coupled with E2E dynamic [network slicing](#) capabilities, enable the deployment of tailored, service-centric architectures at the network edge-- transforming local context, agility, rapid response time and speed into value.

Mavenir's [virtualized Media Breakout Controller](#) (vMBC) brings 5G Edge architectures to legacy networks with White Box platforms providing full network functionality and User Plane traffic offload at Cell Site Edge.