HOW MICRO DATA CENTRES ENABLE TELCOS EVOLUTION AND GROWTH

TELECOM USE CASE

ZELLA DC

BEYOND CONNECTIVITY

Telecommunication companies (telcos) have undergone a transformative evolution, transcending their conventional role of providing connectivity. In a bid to stay competitive, retain customers, and diversify revenue streams, telcos are embracing innovative strategies and services.

5G LOCAL CORE

The deployment of 5G local core infrastructure is a key strategy for telcos seeking to enhance network capabilities. By bringing the core closer to the edge, telcos can provide ultra-low latency and high-speed connectivity. This is crucial for supporting emerging technologies like AR, VR, and IoT applications that demand real-time responsiveness.

LOW-LATENCY GAMING

Recognising the burgeoning gaming industry, telcos are establishing low-latency game development environments that leverage high-speed, low-latency networks to provide gamers with an immersive and seamless experience. By ensuring minimal lag and optimal performance, telcos will position themselves at the forefront of the gaming ecosystem.

REMOTE COMMS HUB

Telcos are expanding their reach into remote areas by utilizing satellite connectivity, such as Starlink, for backhaul and internet access; this allows them to establish remote comms hubs, addressing connectivity gaps in remote regions. The combination of satellite connectivity and local Wi-Fi networks ensures a robust and reliable communication infrastructure.

CARBON OFFSET BENEFITS

Telcos now incorporate carbon offset benefits into their service offerings. By investing in sustainable practices, such as renewable energy sources and energy-efficient technologies, telcos aim to reduce their carbon footprint. Customers are now presented with reliable connectivity whilst aligning their services with environmentally responsible choices.

SECURE ON-PREM STORAGE

Recognizing the importance of data security and privacy, telcos are offering secure on-premises storage solutions. This enables businesses to store sensitive data locally, ensuring compliance with data protection regulations and providing an added layer of security against cyber threats.

LOCALISED IoT & OT

Telcos are increasingly focusing on deploying localised IoT and OT solutions tailored to specific regions and industries, thus enabling businesses to optimize operations, enhance efficiency, and deliver customised services. This not only adds value to the customer but also opens up new revenue streams for the telcos.

ENABLING THE EVOLUTION OF TELCOS

As telcos embark on their journey beyond conventional connectivity, micro data centres play a pivotal role in supporting and enhancing the innovative services and solutions they offer. These compact, self-contained data centres bring computing resources closer to the edge, facilitating a range of capabilities critical to the evolving landscape of telco services.

Our range of indoor, outdoor, and containerised data centres is the idea solution for a standardised distributed edge strategy.

SIMPLIFIED DEPLOYMENT	COST EFFICIENCY	SCALABILITY & FLEXIBILITY	STREAMLINED MANAGEMENT

SAFEGUARDING UPTIME AND DATA INTEGRITY

Zella DC micro data centres are at the forefront of equipment management at the edge, thanks to the innovative Zella Sense Advanced Intelligence and Automation.

Zella Sense goes beyond security, offering a host of automations to protect uptime, data, and overall IT infrastructure. From proactive measures during high temperatures to intelligent power management and robust security responses, Zella DC micro data centres redefine the landscape of equipment management at the edge.

These cutting-edge features empower organisations to streamline operations, save valuable time and resources, and enhance control over their edge equipment. With Zella Sense, the future of IT edge deployments is not just efficient—it's intelligently automated.

Zella Sense is a key part of our DNA and is integrated into all our micro data centres.

Empowered by

ZELLA Sense
Advanced Intelligence and Automation

ZELLA DC

Your data centre, anywhere

Zella DC is a market leader in edge-enabling solutions. With a comprehensive range of indoor and outdoor Micro Data Centres and scalable Containerised Data Centres, Zella DC offers a standard turn-key configuration ready for swift deployment and installation, enabling secure, reliable, and controlled environments for IT and OT equipment anywhere.

With expertise gained over the past decade, Zella DC has deployed Micro Data Centre solutions worldwide, meeting diverse requirements across numerous industries and environments. Zella DC excels in overcoming the unique challenges associated with edge and distributed deployments, providing standardisation and proven solutions.

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