



# Ease into tomorrow: 5 considerations for a future-ready telco network

## 5G: Today’s network, tomorrow’s foundation

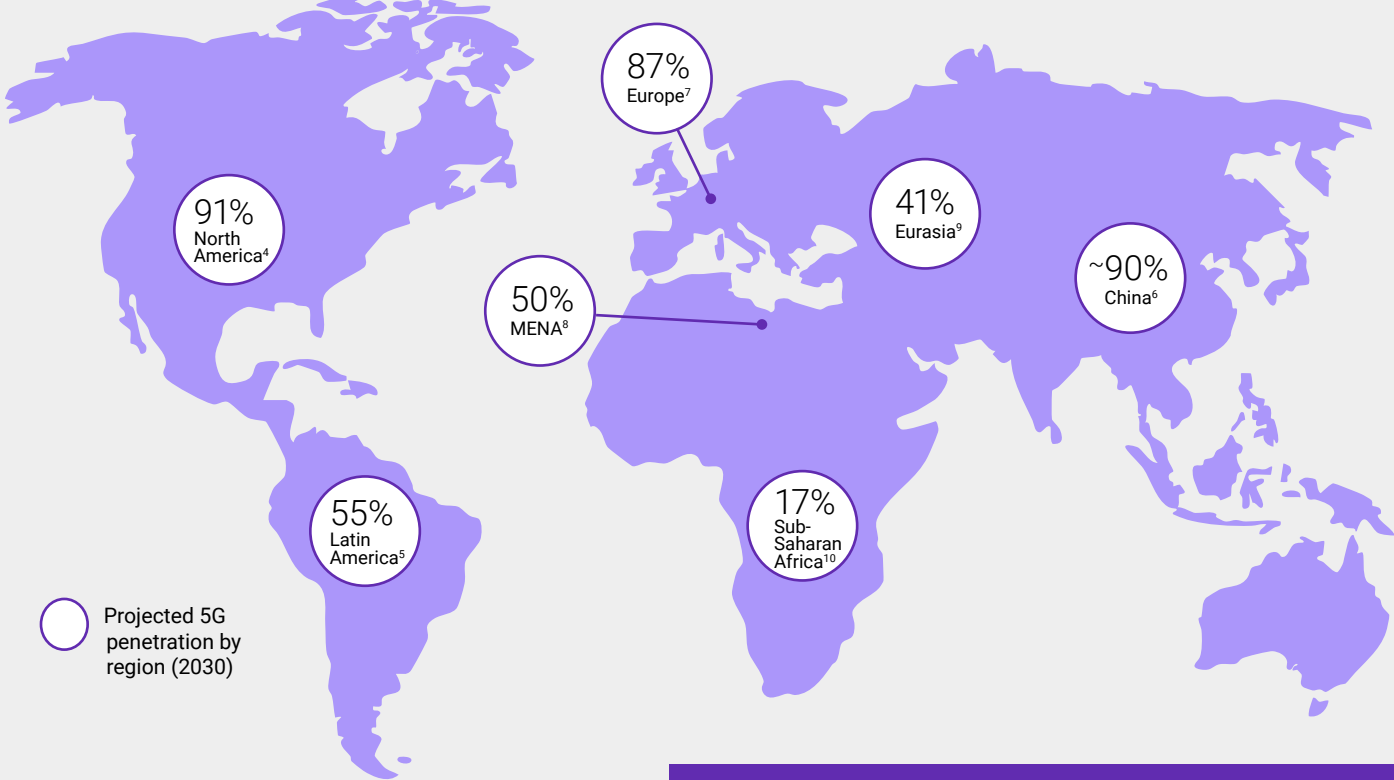
The world is mobile.

 **95%** of the world lives within the footprint of a mobile broadband network<sup>1</sup>

 **57%** of people use mobile internet<sup>2</sup>

And 5G continues its expansion.

By 2030, GSMA predicts that 5G will account for 5.5 billion connections worldwide<sup>3</sup>.



Plus, even as 5G expands, 6G is on its way beginning deployments as early as 2028.<sup>11</sup>

## 5 considerations to future-proof your network

With demand growing and technology advancing, you need infrastructure that’s efficient, flexible, performant, and secure. Here are 5 key considerations to help you build a network that’s ready for today and tomorrow.



**Adopt a cloud-native core**  
The cloud offers unparalleled agility, scalability, and cost efficiency.



**Explore Open RAN**  
Reduce vendor lock-in, encourage competitive pricing, and standardize tools and interfaces, leading to significant cost savings.



**Embrace containerization.**  
Maximize hardware utilization to save on operational costs and accelerate service deployment.



**Keep an eye on energy**  
According to industry association GSMA, telecommunication companies accounted for 1.3% of global electricity use in 2022.<sup>12</sup> Find energy-efficient solutions that will save you money and help you meet your sustainability goals.



**Prioritize cybersecurity**  
Protect critical customer data and meet policy and regulatory requirements by ensuring your network infrastructure has security at every level, from the datacenter to the edge of the network.

### Move forward with confidence

Questions? Ready to get started? Contact us today chart a custom course that makes sense for your business.

CONTACT US

### Full ease ahead with Red Hat, Dell Technologies, and ePlus

Dell Telecom Infrastructure Blocks for Red Hat is a set of optimized foundational building blocks designed specifically to enable telecom service providers to build and expand their cloud-native network—from the datacenter to the edge of the network. This pre-tested, -validated, and -integrated solution has been purpose-built to streamline the design, deployment, and lifecycle management of telco cloud network infrastructures. Add in expert guidance from ePlus, and you've smoothed your path to network reliability and performance.

With state-of-the-art technology, 24/7/365 carrier-grade support, and integrated and automated design, service providers can lower TCO and raise ROI, speed time to market, and free their teams to innovate.

It's a comprehensive, cloud-native telco network infrastructure solution brought to you by the experienced names you know and trust: Red Hat, Dell, and ePlus.

1 GSMA. [The Stat of Mobile Internet Connectivity 2023](#)

2 ibid

3 GSMA. [5G Momentum Continues with 1.6 Billion Connections Worldwide, Rising to 5.5 Billion by 2030, According to GSMA Intelligence](#)

4 GSMA. [The Mobile Economy North America 2024](#)

5 GSMA. [The Mobile Economy Latin America 2024](#)

6 GSMA. [The Mobile Economy China 2024](#)

7 GSMA. [European mobile data traffic will triple in next five years, driving continued pressure on network investment, New GSMA report predicts](#)

8 GSMA. [The Mobile Economy Report middle East & North Africa 2023](#)

9 GSMA. [The Mobile Economy Eurasia 2024](#)

10 GSMA. [The Mobile Economy Sub-Saharan Africa 2023](#)

11 IDTechEx. [Why Do We Need 6G and What Are the Challenges?](#)

12 GSMA. [Mobile Net Zero 2024: State of the Industry on Climate Action](#)