BHARAT 6G 2025
3RD INTERNATIONAL CONFERENCE & EXHIBITION
14TH MAY 2025 ◆ LE MERIDIEN, NEW DELHI
5G & BEYOND: CONNECTIVITY FOR A DIGITAL WORLD

Network Transformation & Enterprise Verticals: 5G Advanced & 6G

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THE GSMA

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Intelligently Connecting Everyone and Everything to a #BetterFuture

The mobile industry is the first to formally commit to the UN Sustainable Development Goals

nearly **9.3 bn** MOBILE CONNECTIONS WORLDWIDE (including IoT)

The GSMA represents the interests of mobile operators worldwide

MORE THAN **750** MOBILE OPERATORS

WITH NEARLY **400** COMPANIES in the broader mobile ecosystem

Driving industry programmes that add value to the digital economy

The GSMA works to deliver a regulatory environment that creates value for consumers by engaging regularly with:

- MINISTRIES OF TELECOMS
- TELECOMS REGULATORY AUTHORITIES
- INTERNATIONAL & NON-GOVERNMENTAL ORGANISATIONS

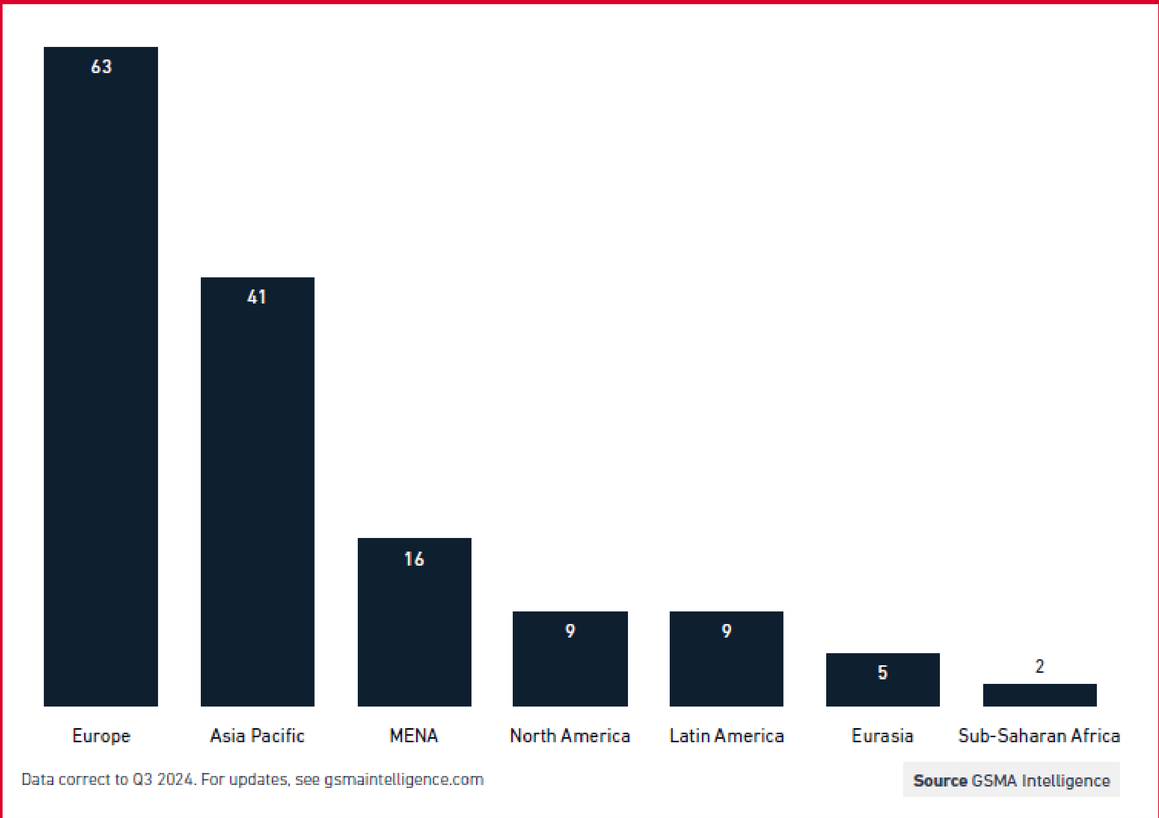
The world's leading mobile industry events, MWC Barcelona, MWC Los Angeles, MWC Shanghai and the Mobile 360 Series, together attract nearly

200,000

people from across the globe each year

5G Advanced and its role in enterprise monetisation

5G SA deployments surge



Asia Pacific and Europe lead on 5G SA rollouts

- Some 145 operators from 63 markets globally have either launched or demonstrated intent to launch 5G SA networks
- Asia Pacific leads on 5G SA launches, followed by Europe
  - The two regions account for 65% of live commercial SA networks

Number of operators that have stated a commitment/timeline or conducted a trial (planned) or announced a 5G SA commercial deployment (live).

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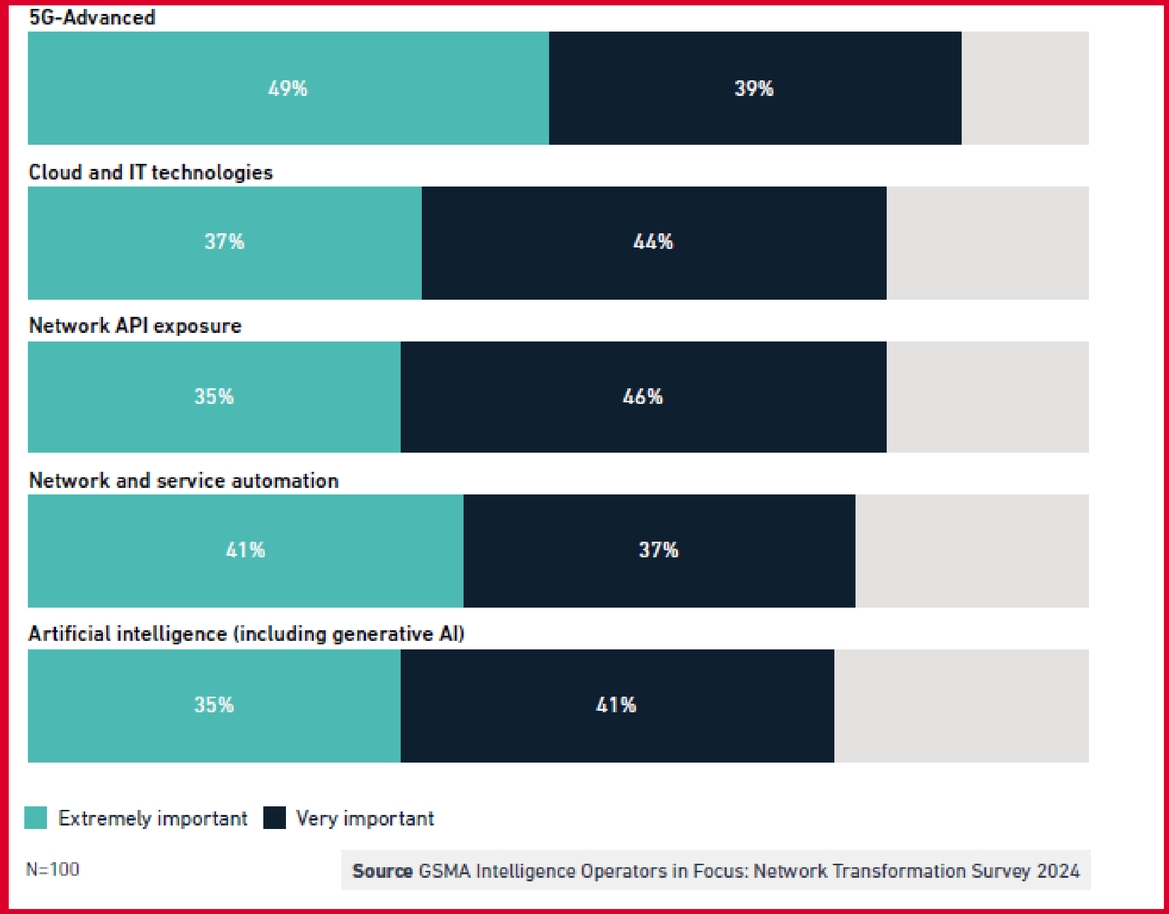
5G-Advanced unlocks opportunities for operators

Business Priority: In 2024, 5G-Advanced became the top business priority, surpassing open networking and automation, highlighting its growing importance in driving innovation

Supporting B2B Revenues: 5G Advanced and 5G SA are crucial for supporting B2B revenue streams, with significant investments targeting industries like manufacturing, healthcare, and logistics

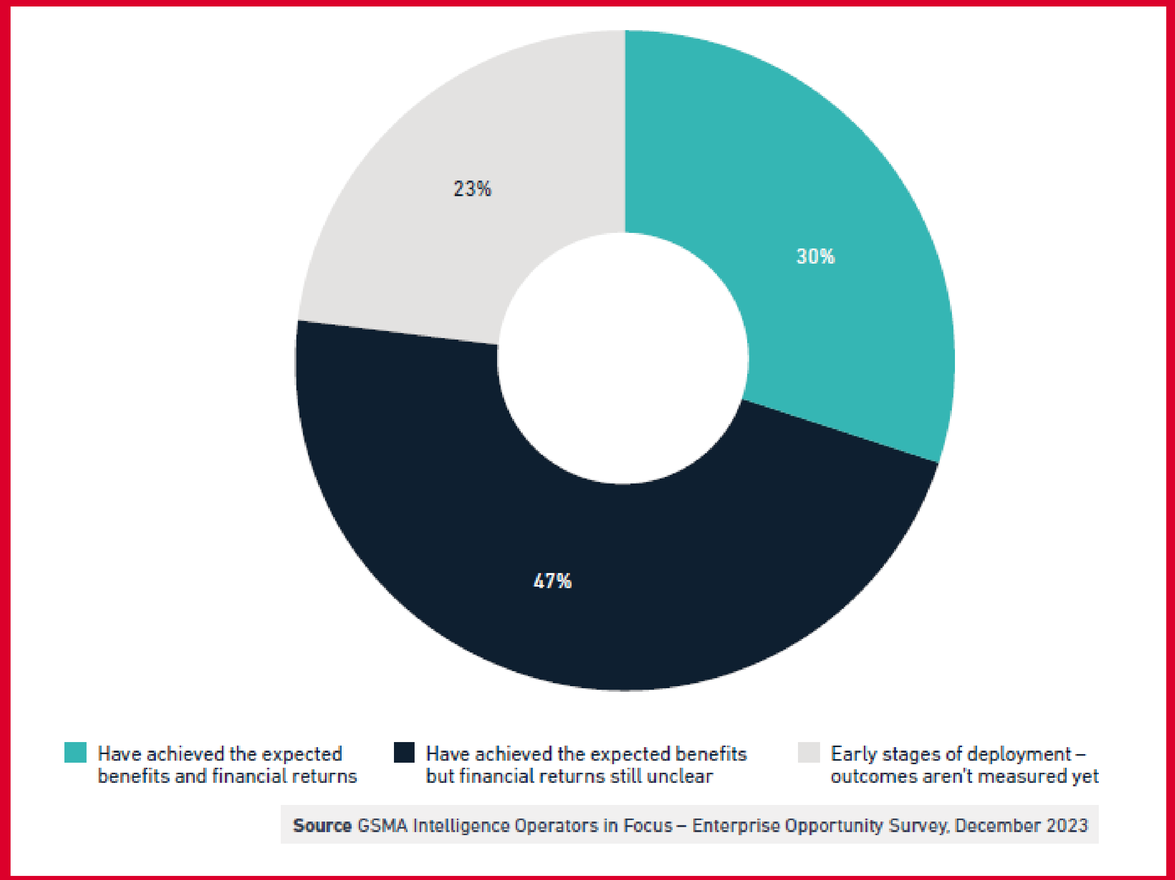
Consumer Applications: 58% of operators rank 5G-Advanced among their top three priorities for consumer applications, including enhanced mobile broadband, XR, and high-definition media streaming

How important are the following business priorities as part of your current network transformation strategy?



Private 5G is no longer experimental—it’s scaling

More than three quarters of operators’ private network customers have benefited from the adoption of private networks



Private 5G Deployments: Enterprise adoption of private networks is set to increase significantly in 2025 as the segment matures

Untapped Opportunity: Only 2% of enterprises globally have deployed private networks, but 77% of operators' private network customers report achieving expected benefits

Commercialisation Growth: Operators are accelerating the promotion of private 5G, with 65% receiving positive feedback from early customers

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The API economy

An important development driving this shift is the **GSMA Open Gateway** initiative, which is enabling operators to expose standardised network APIs across multiple networks globally

This allows developers and enterprises to build secure, seamless, and scalable digital services **using network capabilities such as identity, location, quality on demand**, and more

The API economy is not just a new revenue stream—it is a strategic enabler for **operators to become key partners in digital transformation across sectors like logistics, finance, media, and smart cities**

Already, we see early success in **fraud prevention APIs like SIM swap and number verification**

Around 75% of the mobile sector by market share is participating in GSMA Open Gateway

AI, cloud, and edge computing

AI is transforming the network core

Self-Healing Networks: AI autonomously detects and resolves network issues, minimising downtime and ensuring continuous service availability

Predictive Maintenance: AI analyses data patterns to predict failures and schedule maintenance proactively, reducing costs and improving reliability

Dynamic Resource Allocation:

- Optimised Performance: AI adjusts resources in real-time for optimal performance
- Scalability: AI allows seamless scaling to meet varying demands.

Hyper-Personalised Services:

- Customer Experience: AI delivers personalised services based on user behavior
- Targeted Solutions: AI offers tailored recommendations, enhancing customer loyalty

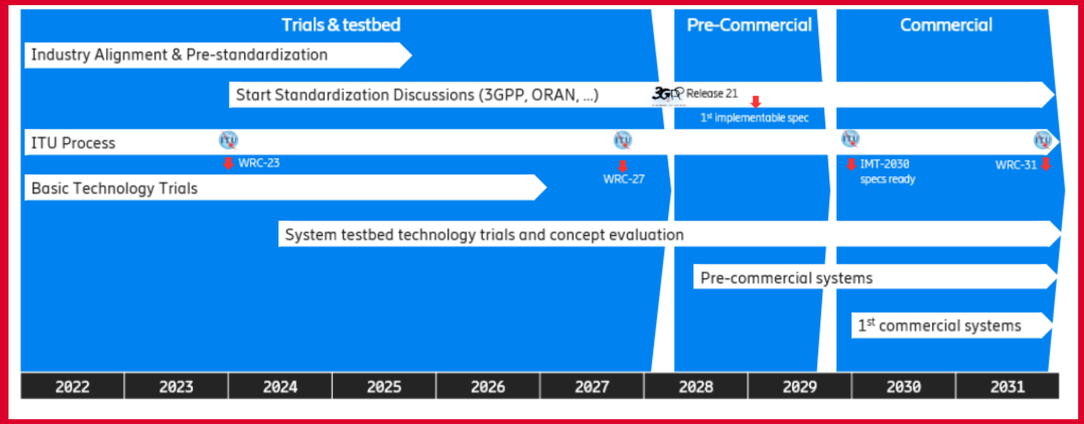
Edge and cloud computing

- **Edge computing is emerging as the critical battleground**
  - For industries that require real-time decision-making—such as autonomous mobility, smart factories, healthcare—AI processing must move to the edge, closer to the point of action
- **But enterprises demand more than technology—they expect seamless orchestration between their on-premises systems, their edge clouds, and the public cloud**
  - They want simplified, secure, and visible infrastructure management.

This is a clear opportunity for operators—but it will require close collaboration with hyperscalers, system integrators, and industry specialists

Preparing for 6G

6G is already being shaped today



6G Timeline – Ericsson View

Many 6G concepts—AI-native networking, sensing, ambient intelligence—are being tested now within 5G Advanced networks

India, with its scale, innovation ecosystem, and policy leadership, has the opportunity to not just adopt, but actually **shape global enterprise use cases and contribute to 6G standards from day one**

But that will require **early cross-sector collaboration, new models for R&D investment, and an open innovation approach that brings together governments, operators, enterprises, academia, and developers**.

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Thank you