Strong Industry Momentum & Support

According to Heavy Reading, 62% of CSPs believe that Open RAN will be critical or important over the next 2 years. There are now 22 confirmed global Open RAN deployments representing 1.2bn potential subscribers.

Challenges for Communication Service Providers (CSPs)
The 5G era will require CSPs to innovate across the entire service ecosystem. Key challenges to overcome include:

1. Accommodating increased traffic demand due to more connected devices and new usage patterns. By 2025 5G smartphone users are expected to consume 100GB per month.

2. Delivering more value to end users by improving user experience. 71% of manufacturers are willing to pay more for 5G connectivity.

3. Creating new business models and revenue streams. eMBB, FWA & XR are viewed as key new and improved 5G services.


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1. https://gsacom.com/technology/5g/
5. https://inform.tmforum.org/research-reports/5g-future-business-models-for-monetization/
6. https://inform.tmforum.org/research-reports/5g-future-business-models-for-monetization/
NEC’s 5G Vision – An Open Ecosystem Approach

NEC takes an “Open Ecosystem” approach to 5G network deployments, offering end-to-end solutions via our partners’ best-of-breed components for 5G Standalone service.

5G Standalone architecture unlocks the full potential of 5G by enabling massive Machine Type Communication, Ultra Reliable Low Latency Communications and enhanced Mobile Broadband as an extension of 4G LTE technology.

Why NEC?
NEC can deliver end-to-end 5G network solutions via our open ecosystem. Our CSP customers benefit from our global ICT expertise and experience in the following areas

**NEC’s Competencies**

- An open ecosystem approach with a diversified and trusted supply chain
- Open RAN architecture to increase the flexibility of deployment scenarios and simplified operations
- SI capabilities to orchestrate and reduce integration complexity with multi-vendor components

**Customer Benefits**

- Diversified supply chain & no vendor lock-in
- Flexible network design, deployment and operation
- Innovate the user experience
- Reduced time-to-market

**NEC. Your Trusted Partner in 5G**

- IT and network expertise in virtualization technology & networking
- Radio Unit and IOT interoperability testing skills
- Strong global footprint with leading CSPs
- Global partnerships with multiple industry-leading technology vendors
- Deep experience in the telecom industry via deployments for Tier-1 operators such as NTT DOCOMO and Rakuten Mobile
- A wide range of business deployment expertise with advanced technologies spanning from submarine cables to satellite systems far beyond the capabilities of most network vendors

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