



THE FUTURE OF SPACE-ENABLED 5G: INTEGRATING TN & NTN NETWORKS FOR GLOBAL CONNECTIVITY

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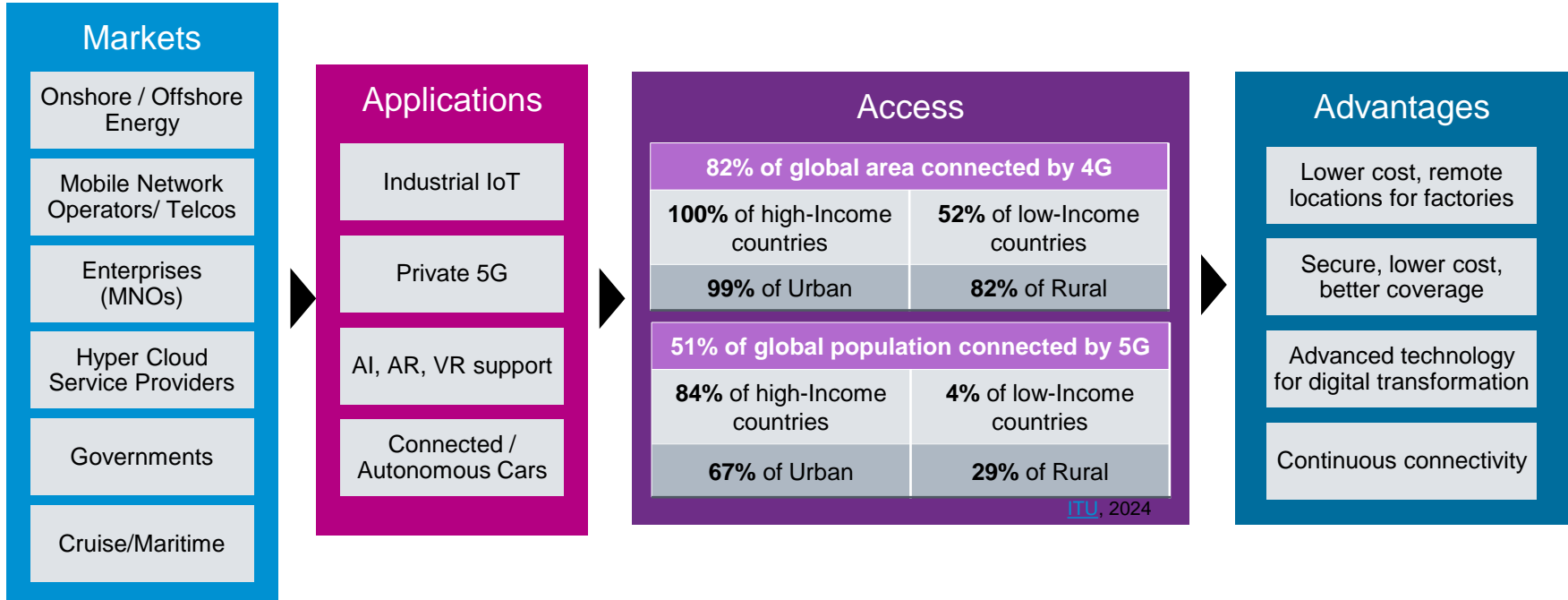


OVERVIEW

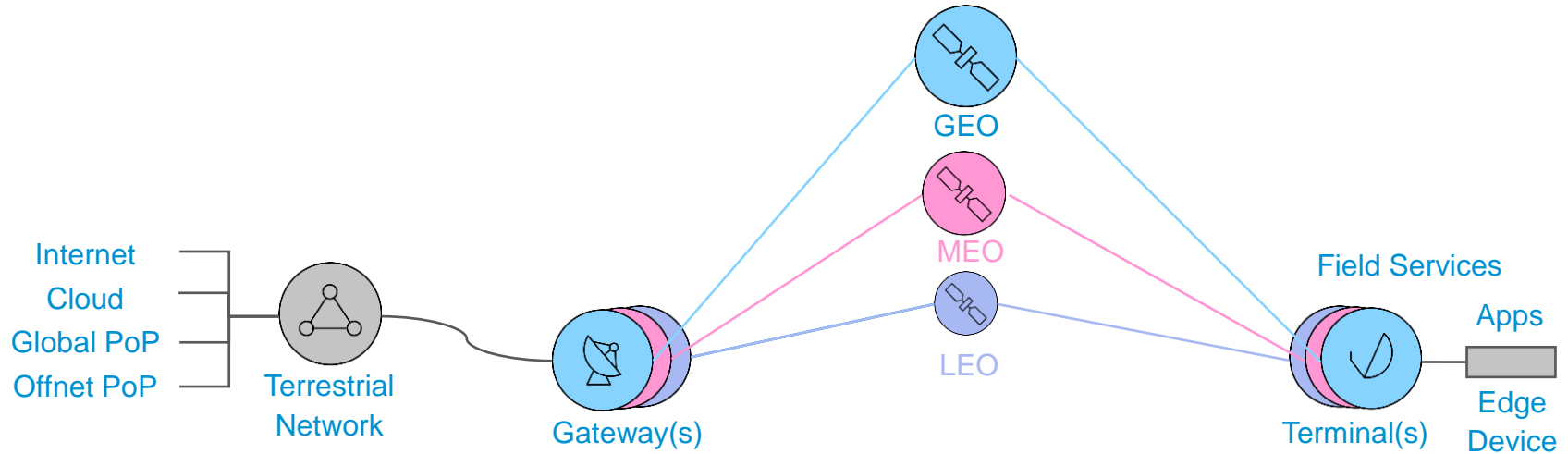
- ▲ Why space-enabled 5G is crucial for global connectivity?
- ▲ Technological Integration - Challenges and Solutions
- ▲ Use Cases and Applications
- ▲ Commercial Viability
- ▲ Conclusions



WHY SPACE-ENABLED 5G IS CRUCIAL FOR GLOBAL CONNECTIVITY?



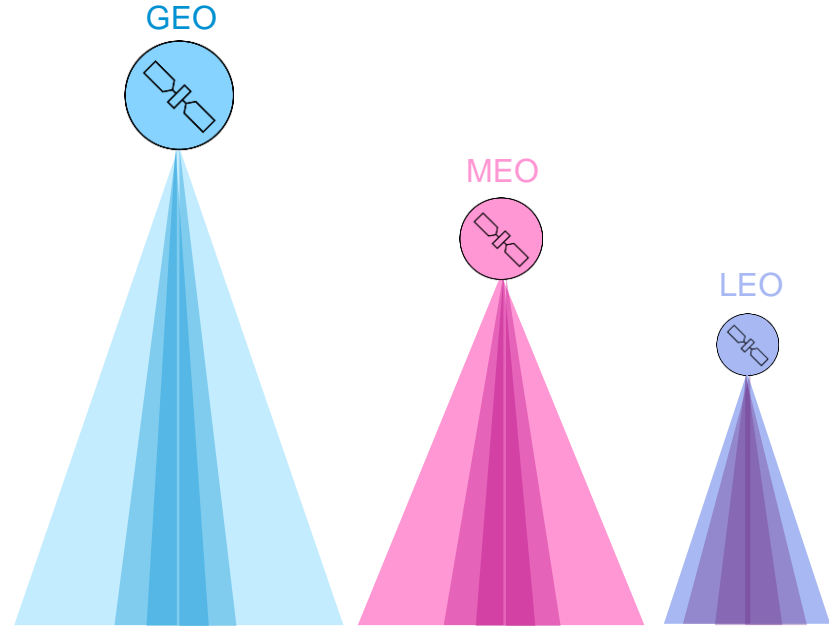
TECHNOLOGICAL INTEGRATION



- ▲ Seamless integration of satellite and terrestrial networks
- ▲ Hybrid networks for diverse geographical terrains
- ▲ Resilient links for business dependability
- ▲ Cost effective for price competitive markets

USE CASES AND APPLICATIONS

- ▲ **Emergency Services:** Reliable communication during natural disasters in Southeast Asia
- ▲ **Remote Community Connectivity:** Connecting rural areas in countries like Vietnam and the Philippines
- ▲ **IoT and Smart Cities:** Applications in smart city projects across Asia, including Singapore and China
- ▲ **Autonomous Vehicles:** Enhanced connectivity for autonomous vehicles in countries like Japan and South Korea



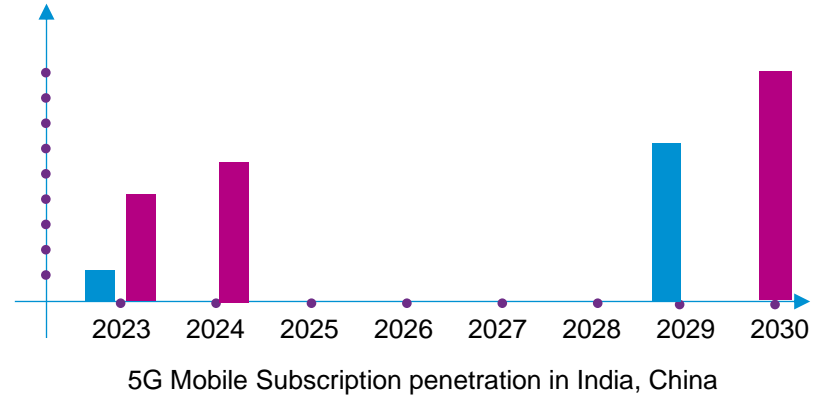
COMMERCIAL VIABILITY

▲ Financial Sustainability:

Investments by Asian countries in 5G infrastructure

▲ Affordability of Services:

Subscription models and market analysis



SIM card connections in the Asia Pacific, excluding cellular IoT- 4.8 billion by 2025. >Half of the world's mobile subscribers live in Asia-Pacific. They are half of new subscribers globally by 2025. Developed markets such as South Korea, Japan, Singapore, and Australia will account for half of the world's 5G connections. To further support this shift and drive consumer engagement, MNOs in Asia will invest more than USD570 billion between 2018 and 2025, and about USD370 billion of that will go toward 5G deployments - **GSMA: The Mobile Economy Asia Pacific**



THANK YOU

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