

An aerial view of a city, likely New York City, with a dense network of blue data lines overlaid on the buildings, symbolizing a 6G network. The sky is blue with scattered white clouds. In the top right corner, there is a white hamburger menu icon consisting of three horizontal lines.

6G Overview

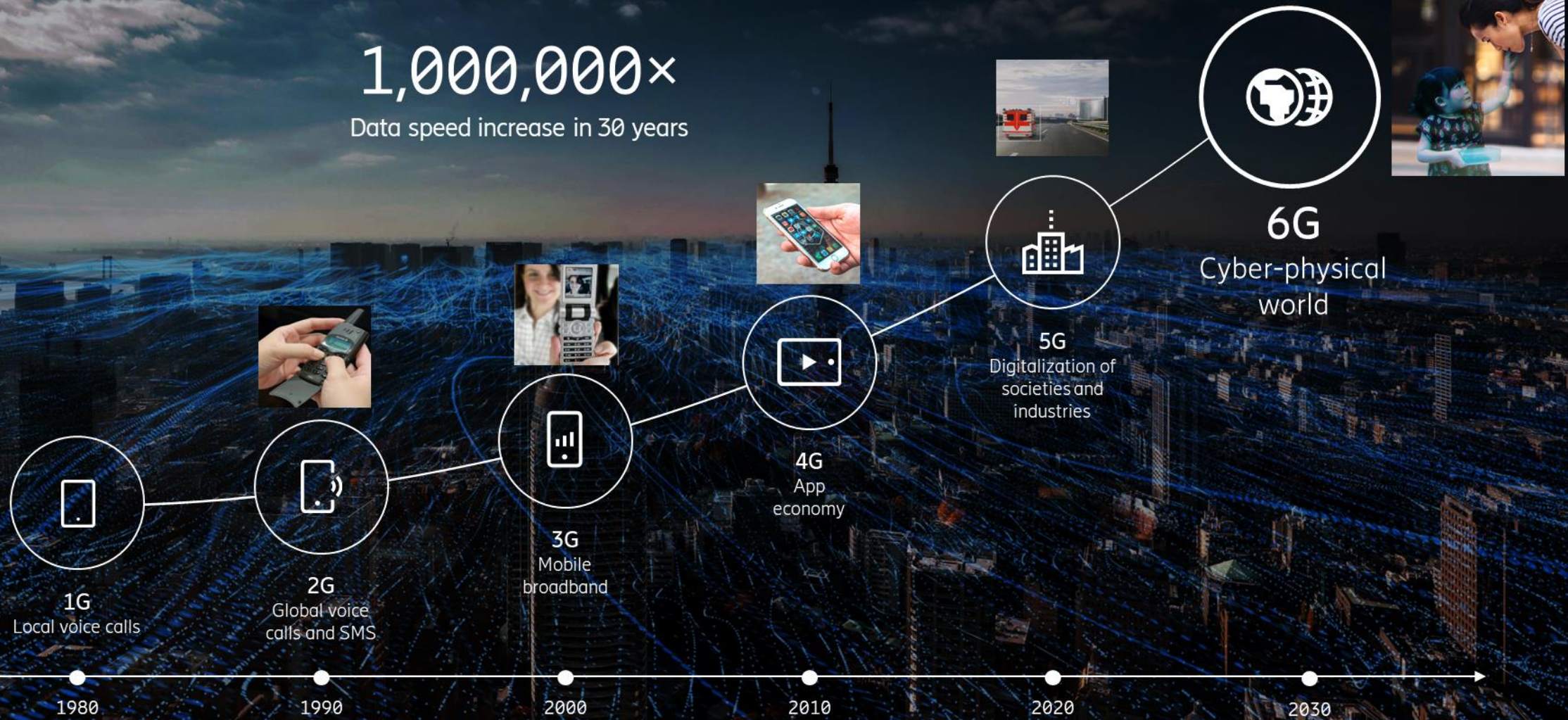
Marie Hogan
Head of 6G Portfolio Strategy
Business Area Networks
Ericsson

December 11th, 2024

Mobile Industry Evolution

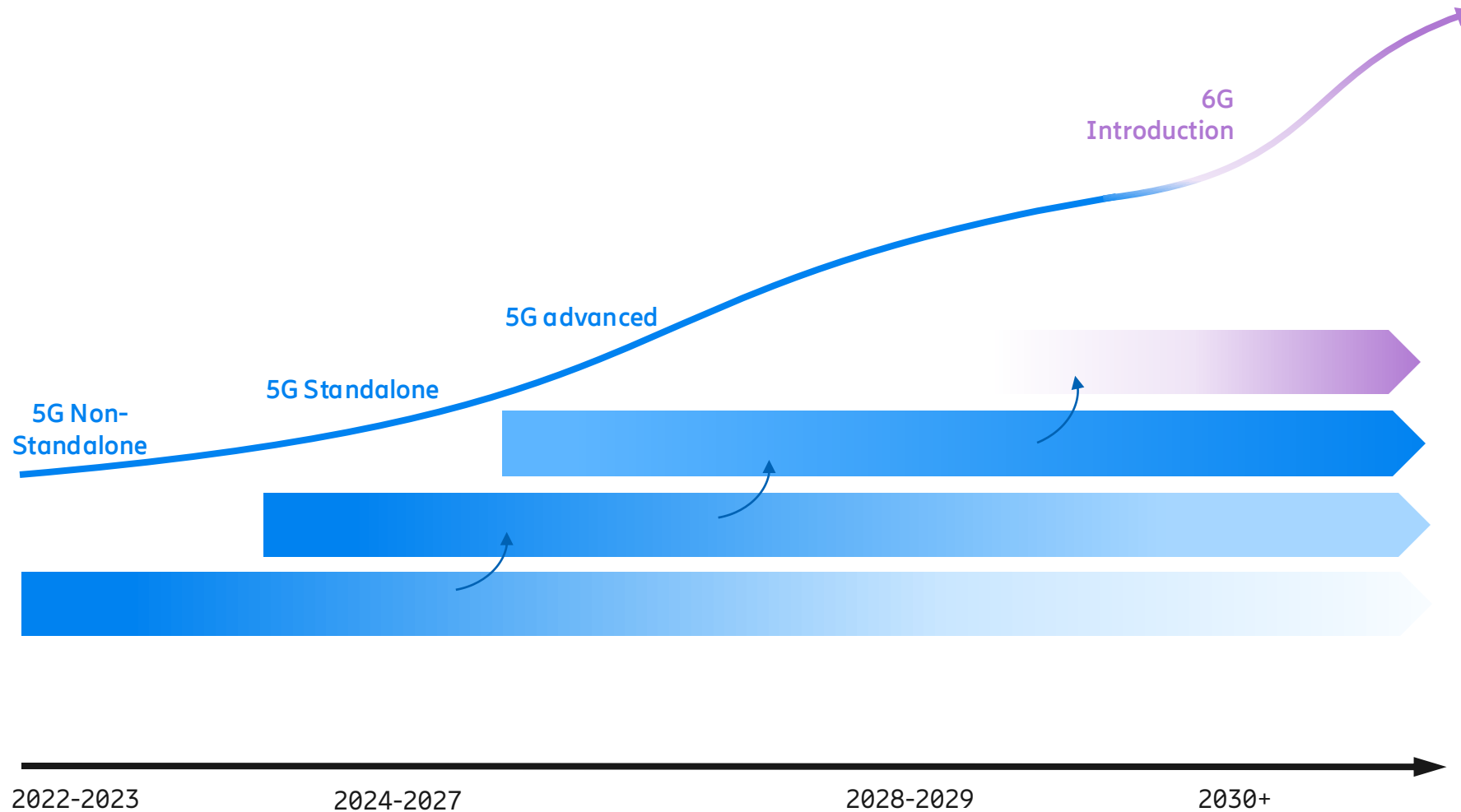


1,000,000x
Data speed increase in 30 years



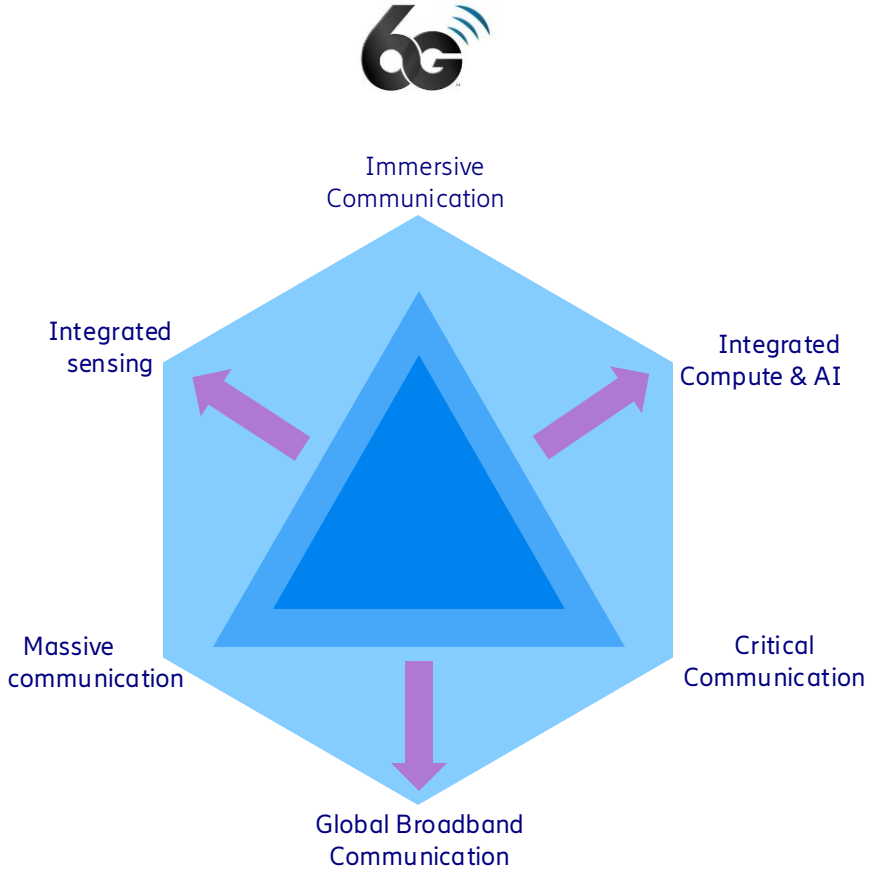
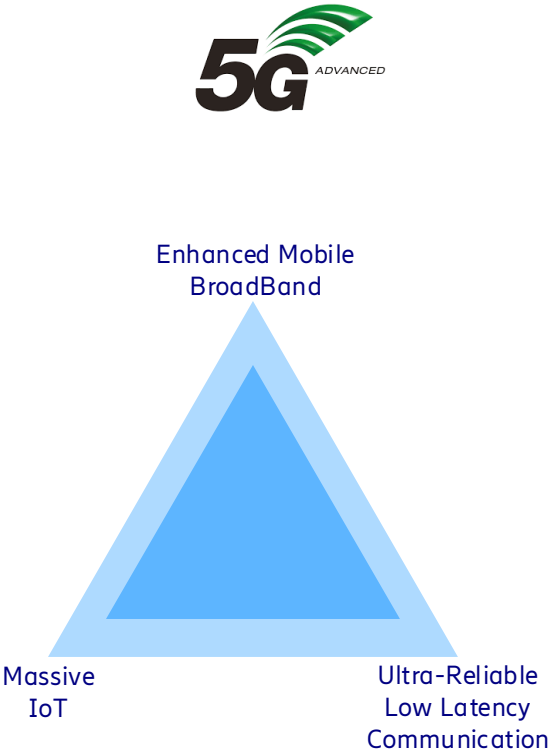
Journey to 6G

Starts with deployments of 5G Standalone

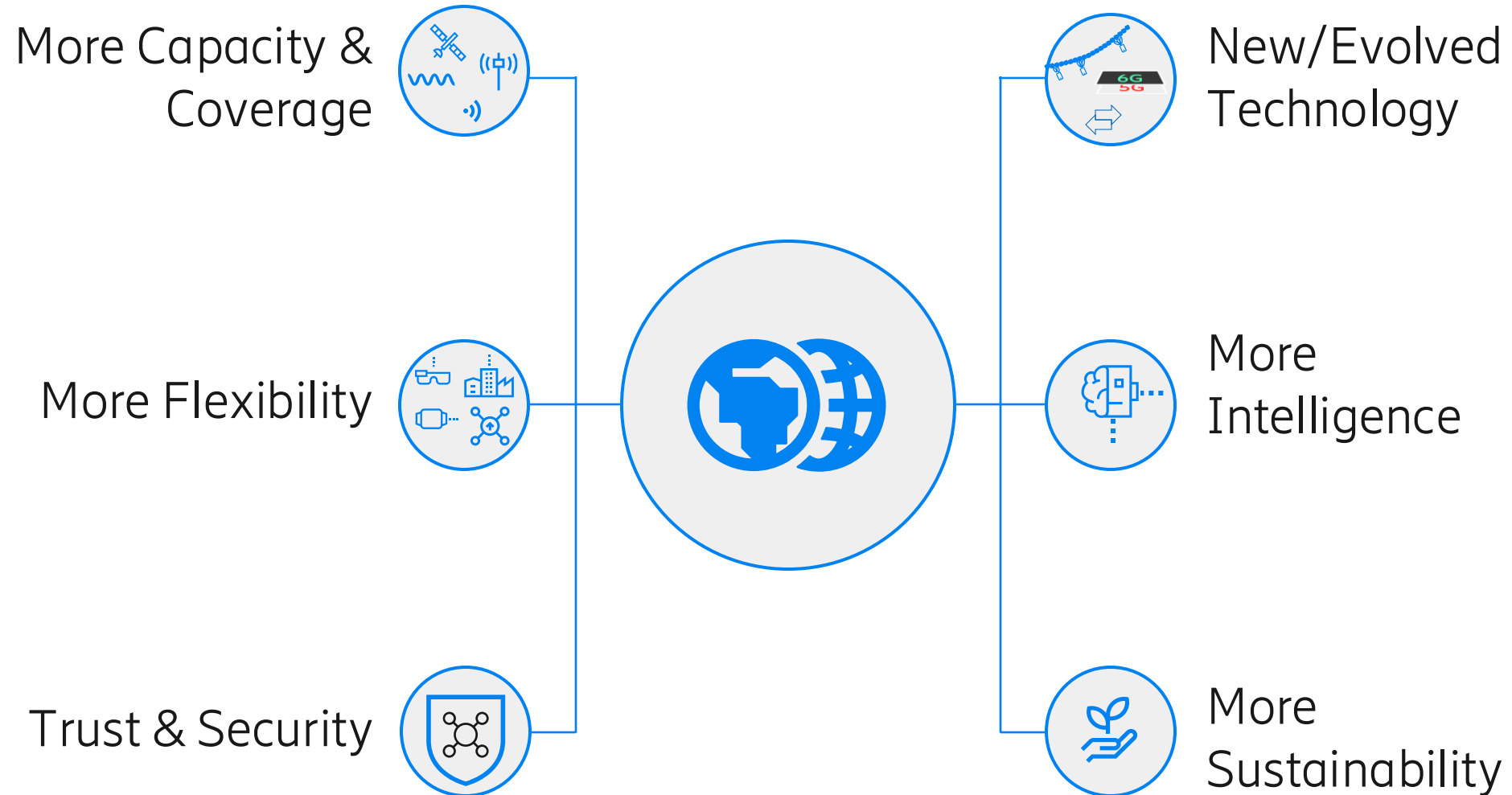


Step-wise technology adoption
Build on 5G
Smooth migration from 5G->6G
Strong foundation for continued evolution

What is 6G?



What can 6G bring to the Networks of 2030



What can we do with 6G?

For Consumers, Society, Industries in 2030+



Massive Merged Reality
- Immersive XR for Mass Market -



Global Broadband
- 100% coverage -



Massive Digital Twinning
- Data Collection & Modelling -



Autonomous Mobility
- Smart Transport -



Resilient Connectivity
- Priority Emergency Communication -



Spatial Data Engine
- Coordinate-based Data Exposure -



6G use cases and technologies



Massive Merged Reality -Immersive XR for Mass Market -



Much better energy performance
Native AI & intelligent automation
More data, faster upload/download
Predictable and guaranteed services
Integrated Sensing & Spatial Locating
Evolved Differentiated connectivity and APIs
Massive numbers of devices – more device types
Wide Area XR, Massive IoT, Zero energy sensors

Massive Digital Twinning -Data Collection & Modelling-



Autonomous Mobility -Smart Transport-



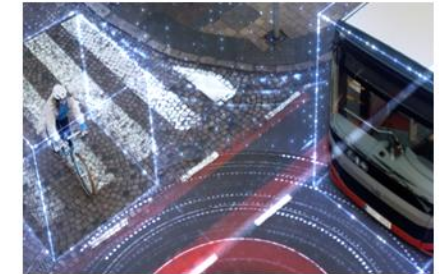
Global Broadband - 100% coverage -



Resilient Connectivity -Priority Emergency Communication-

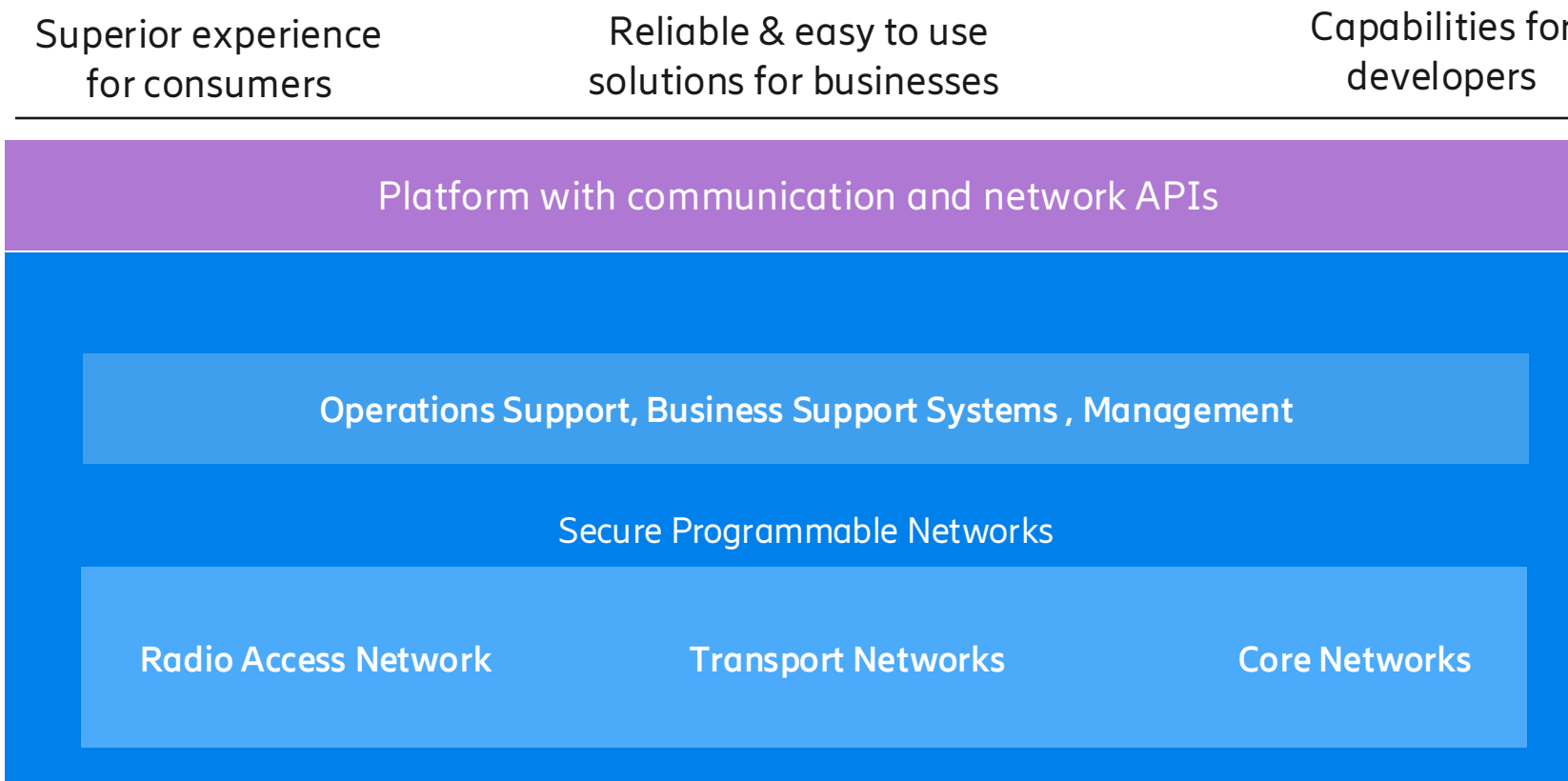


Spatial Data Engine -Coordinate-based Data Exposure-



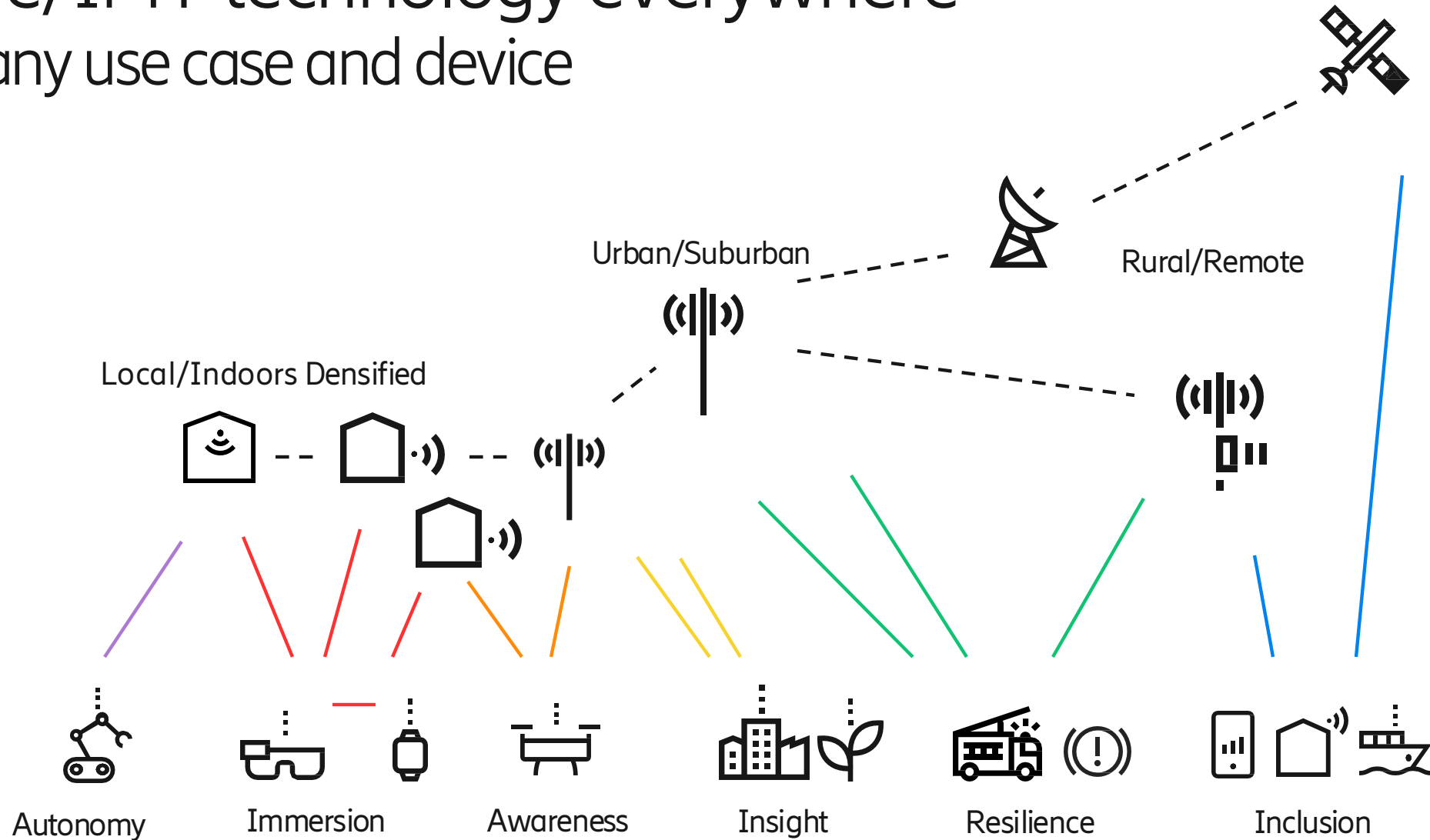


Networks – the foundation for the digital eco-system

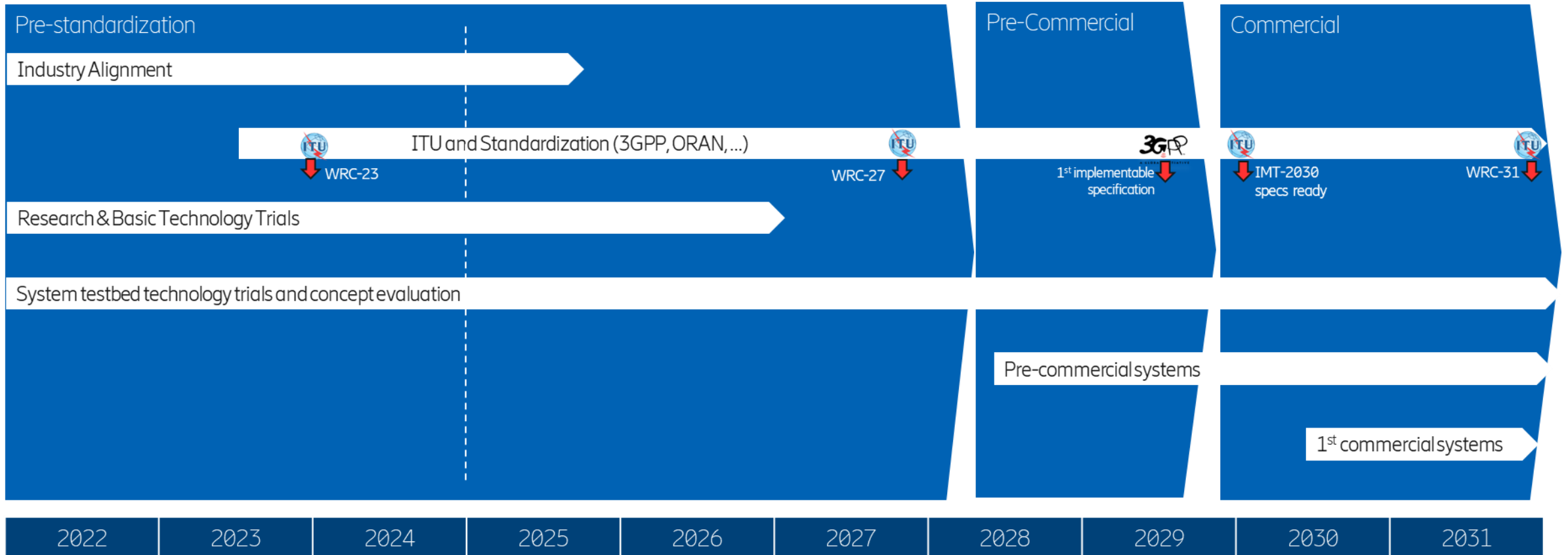


Mobile/IMT technology everywhere

Serve any use case and device

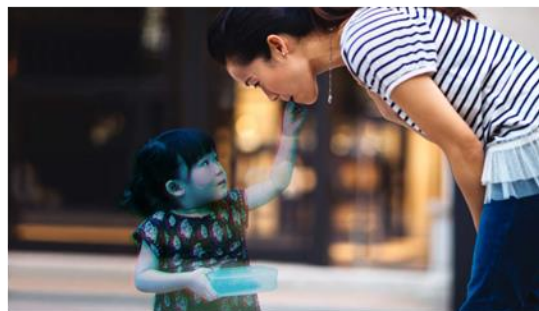


6G Timeline



Focus on collaboration and collective action to ensure benefits of scale, reduce risk, multi-vendor interoperability, affordability and end-user benefits

Competitive product development, differentiation and market competition



Global collaboration for the Techade ahead



#ImaginePossibleWith6G