

An aerial view of a city with a dense network of blue lines representing data or communication paths. The lines are concentrated in the center and spread out towards the edges, creating a complex web. The city buildings are visible in the background, and the overall color palette is dominated by blue and grey.

Cambridge Wireless — 6G devices of 2030

The Journey towards 6G

Magnus Frodigh, VP Head of Ericsson Research

5G uptake faster than expected

Ericsson Mobility Report, 2026 prediction



5G

3.5bn
subscriptions

40%
of mobile
subscriptions

54%
share of mobile
data traffic

60%
coverage of
World's pop

Fast
Responsive
Reliable

for
Consumers
&
Enterprise

8.8bn
mobile
subscriptions

5.9bn
Cellular IoT
connections

5G is open for business

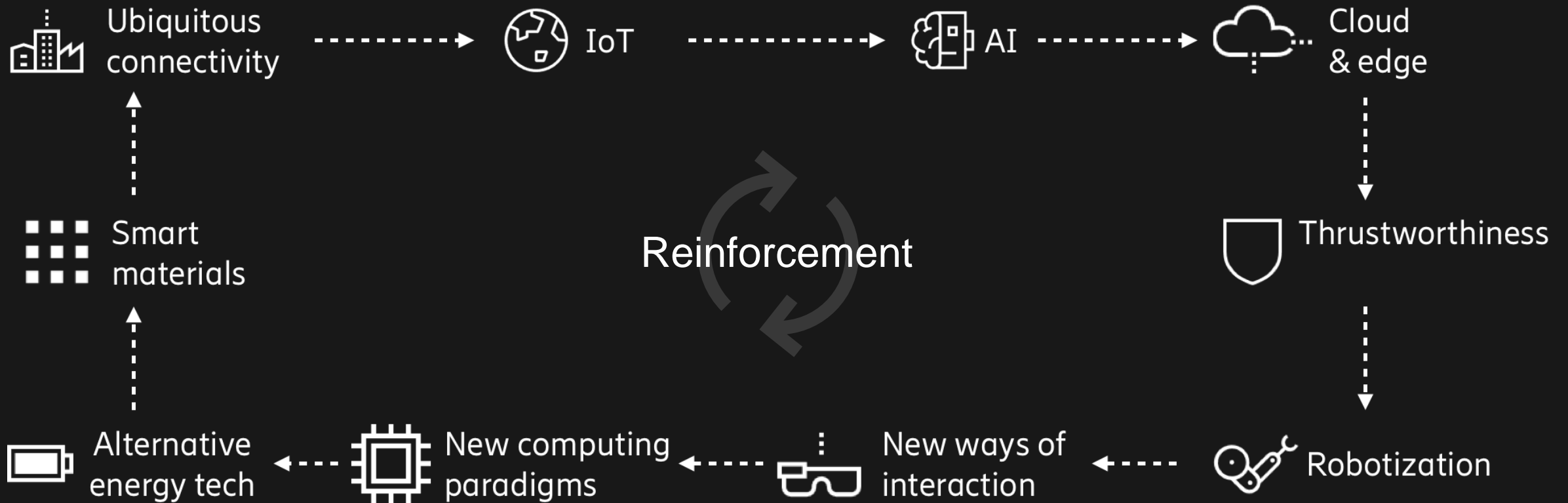


The next wave of 5G expansion will allow businesses of all types to reap the benefits of enhanced mobility, flexibility, reliability and security.

The era of the 5G powered business is here – and with it a new range of business opportunities



10 exponential technological forces



Technology journeys: 2030 use case scenarios



Use case scenarios enabled by the network platform

The Internet of Senses



Connected Intelligent Machines



Digitalized & programmable
physical world



Connected sustainable world

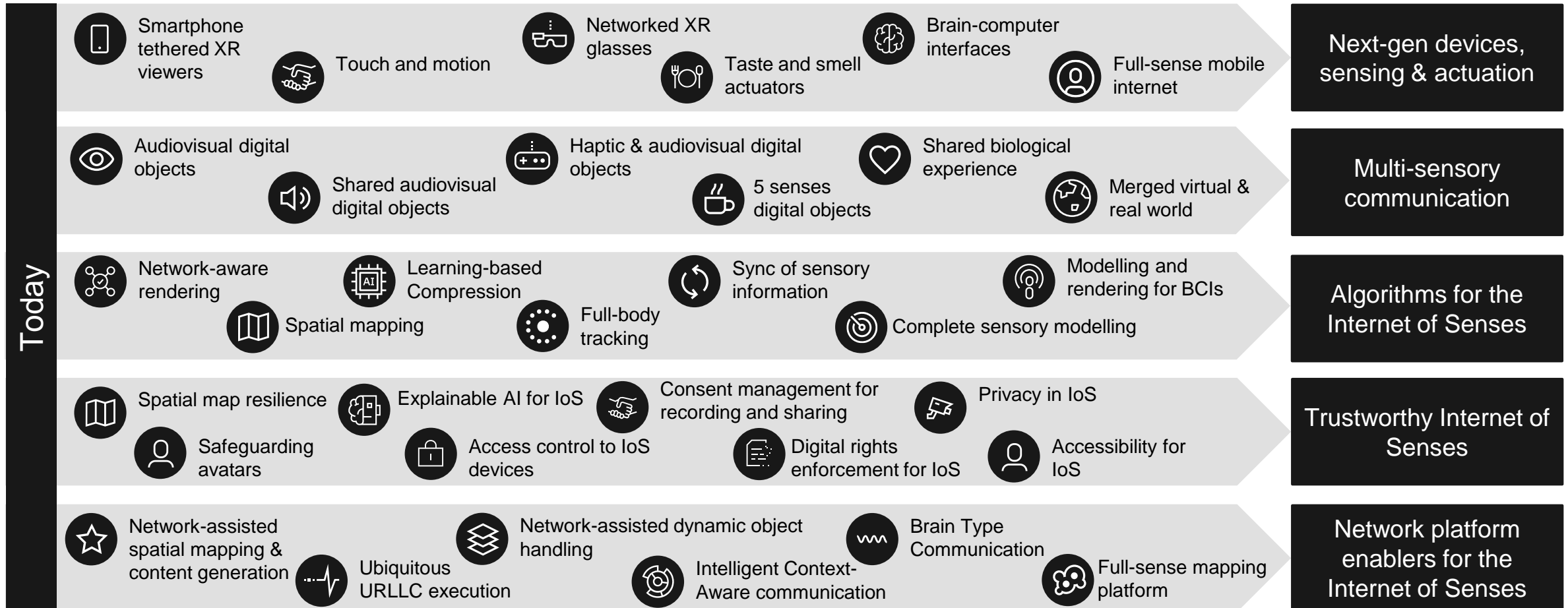


Use case focus

The Internet of Senses

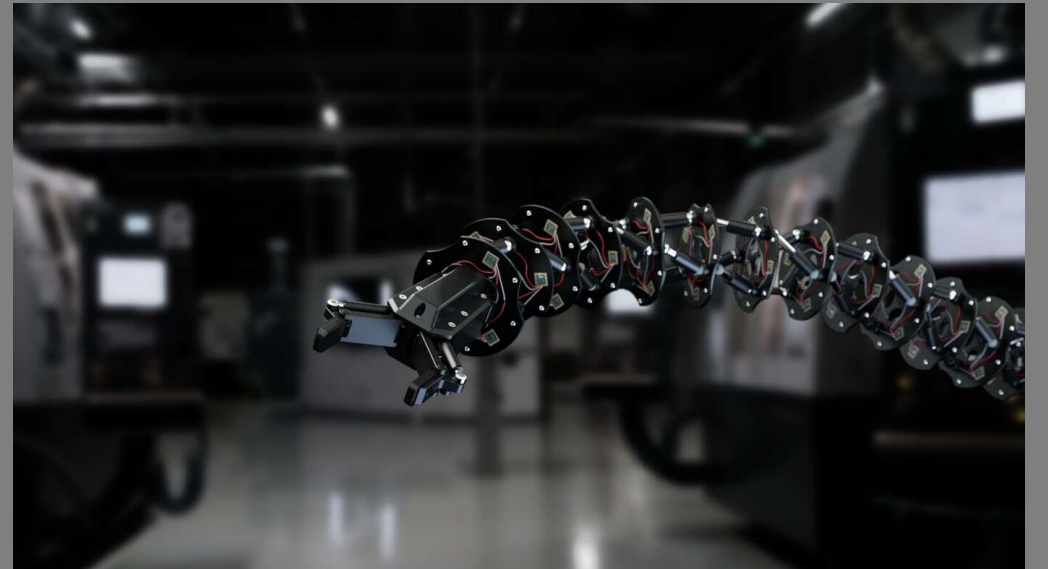


The Internet of Senses

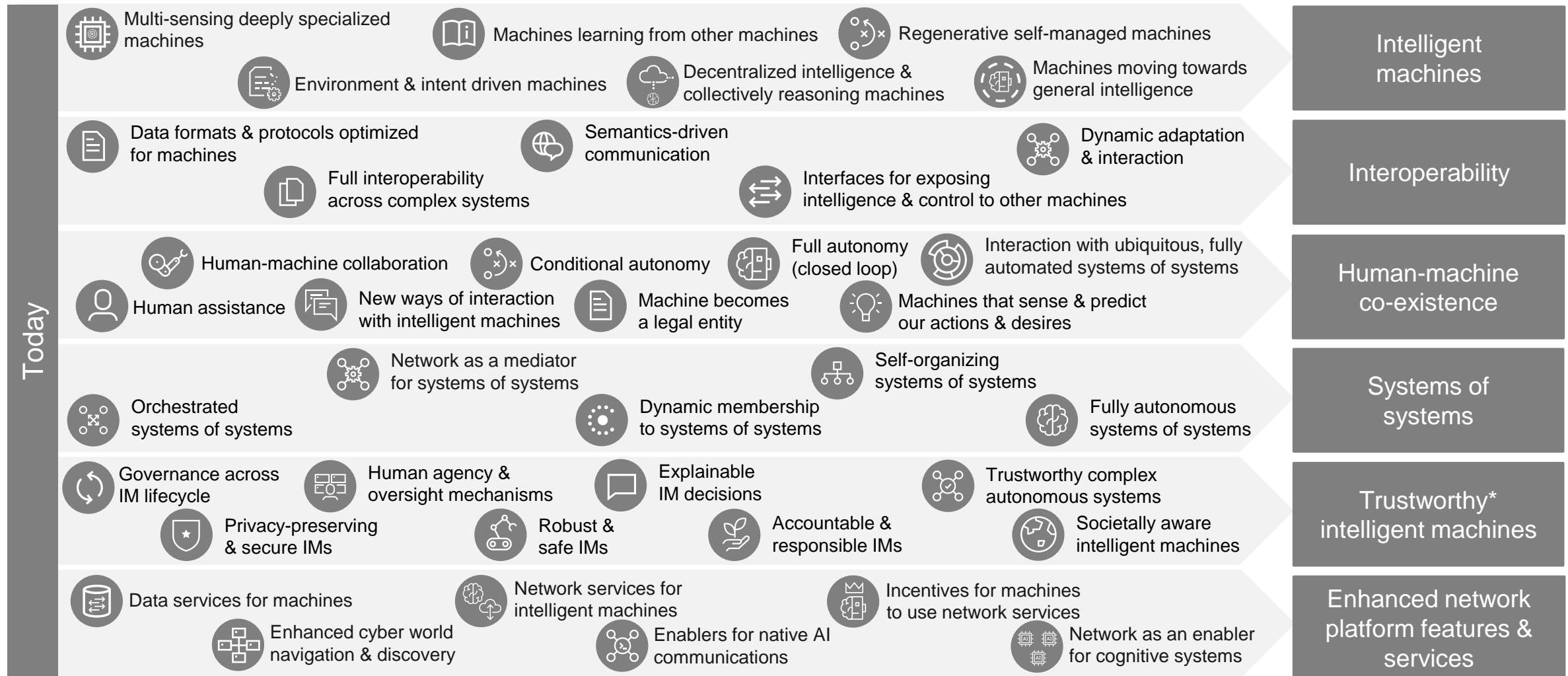




Connected intelligent machines

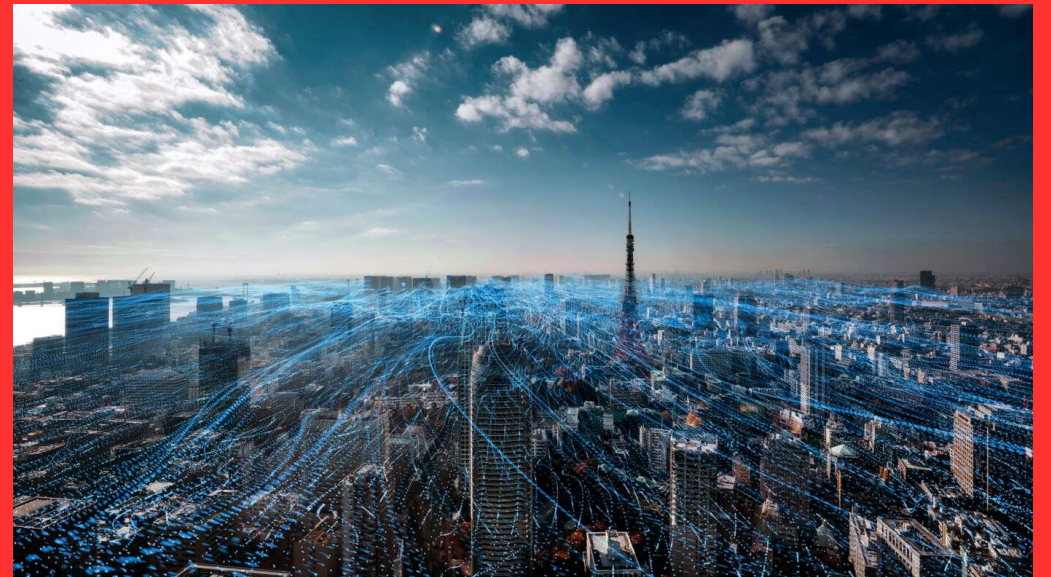


Connected intelligent machines

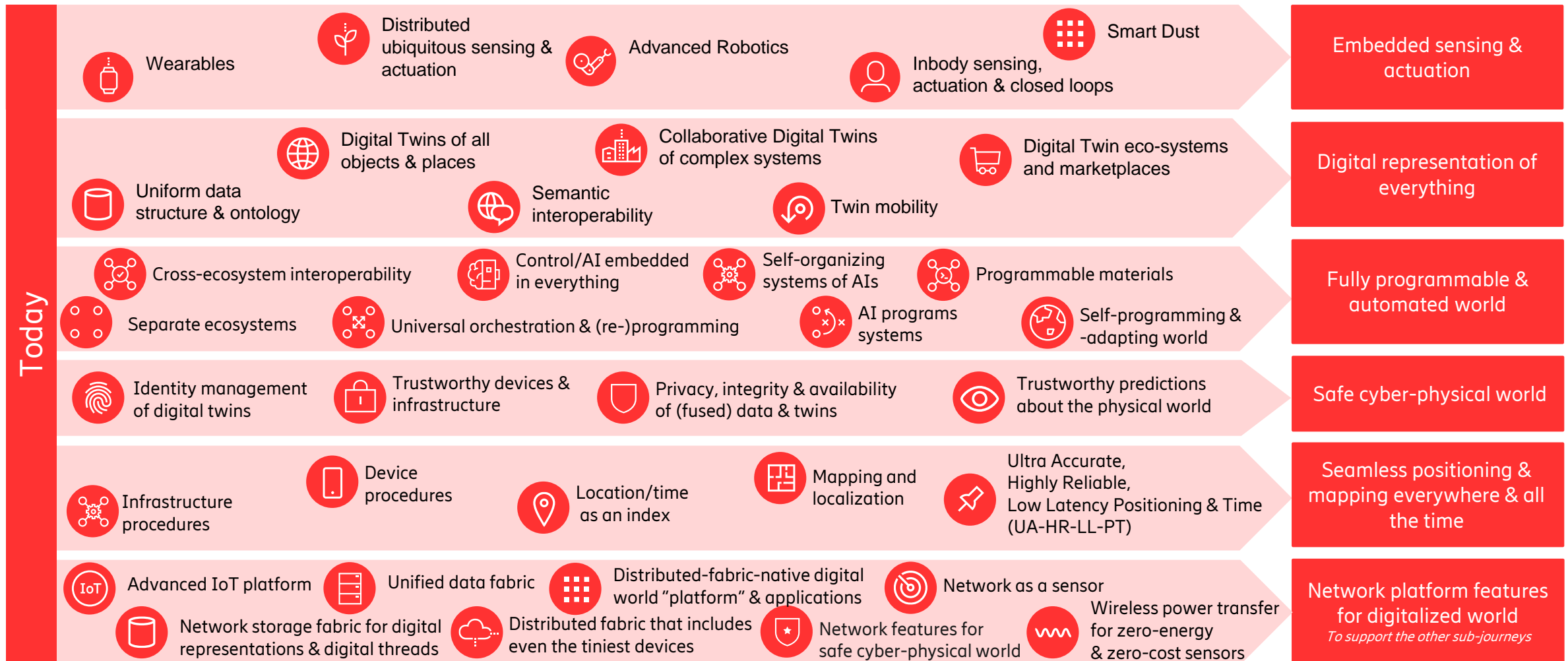


*) responsible, resilient, secure, safe, explainable, unbiased, fair, ethical

Digitalized & programmable physical world



Digitalized & programmable physical world



Tech scenarios evolving the network platform



Use case scenarios enabled by the network platform

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Use case focus

Limitless connectivity



Trustworthy Systems



Cognitive network



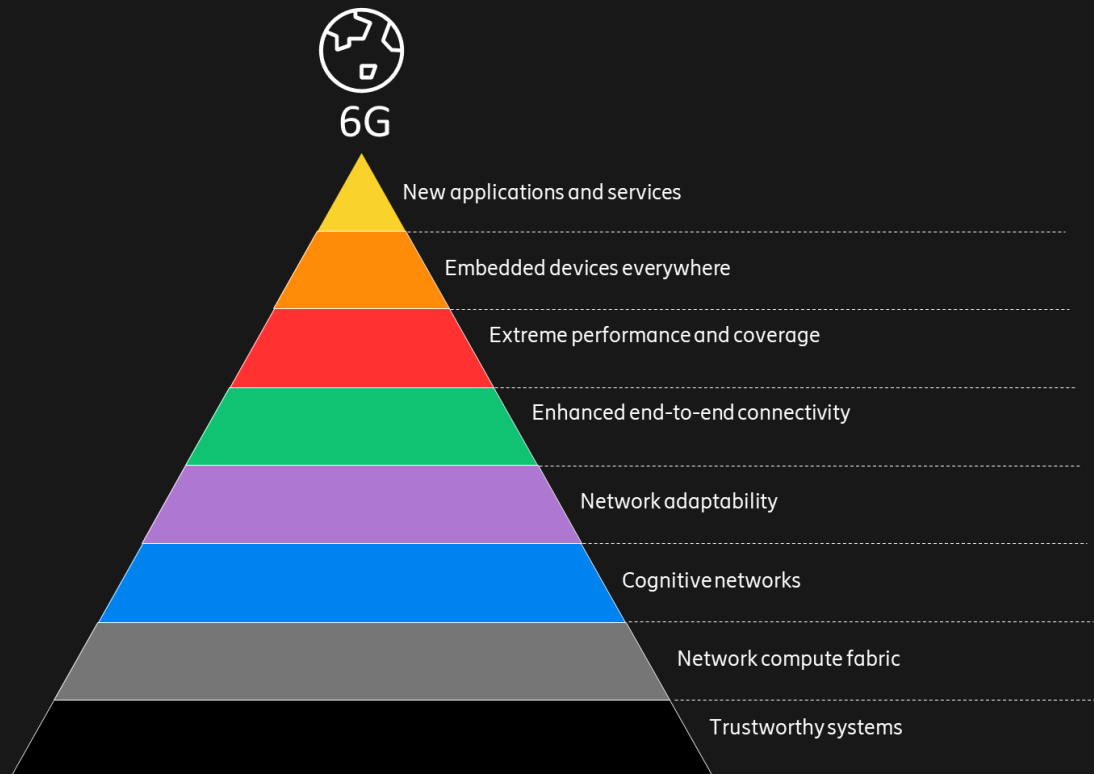
Network compute fabric



Technology focus

Technology scenarios evolving the network platform

6G white paper



Ericsson whitepaper
GFTL ER
November 2020



Ever-present
intelligent
communication –
A research outlook
towards 6G



ericsson.com/future-technologies