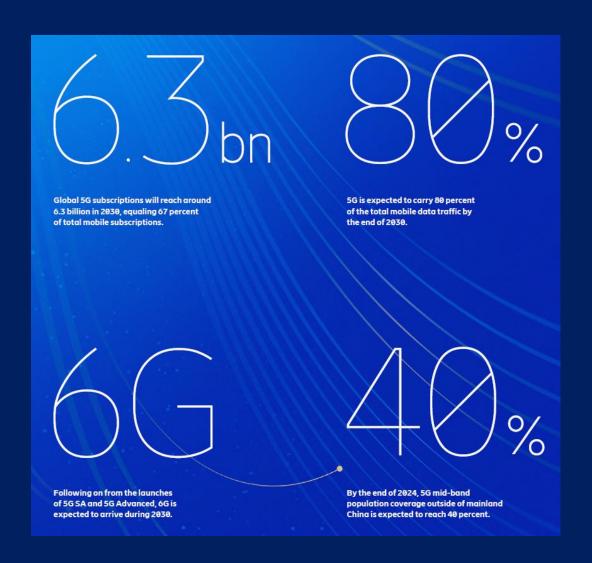


Key Trends In Mobile Networks

source: Ericsson Mobility Report Nov. 2024

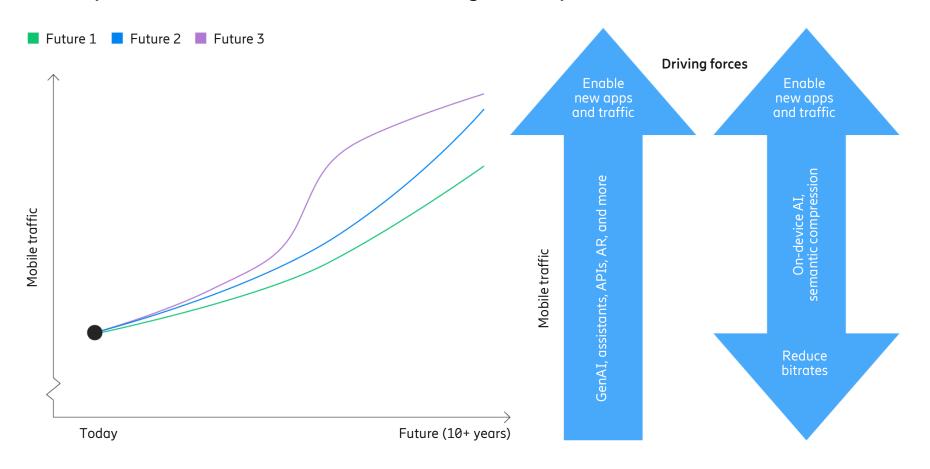








A conceptual illustration of different mobile traffic growth impacts due to GenAI



Future 1: Adoption of GenAl at scale.

Future 2: Accelerated consumer uptake of GenAl.

Future 3: GenAl consumer uptake will explode – Industry adopts efficient video compression technologies, including potential introduction of semantic compression





Ericsson is accelerating AI value with field-proven use cases

18%

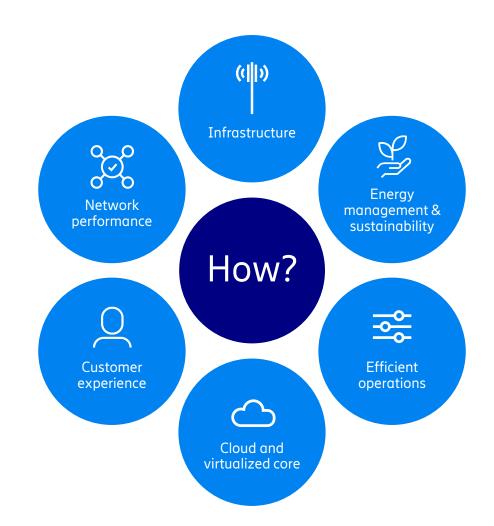
Network load redistribution more efficient use of resources **Self-Organizing Network**

15 min

vs 1 week to automatically classify 100 000 cells with **Cell Issue Classifier**

80%

Reduced signaling with machine learning assisted paging



25%

Better 5G coverage with 5G-aware traffic management

14%

Energy savings with Augmented MIMO sleep

>95%

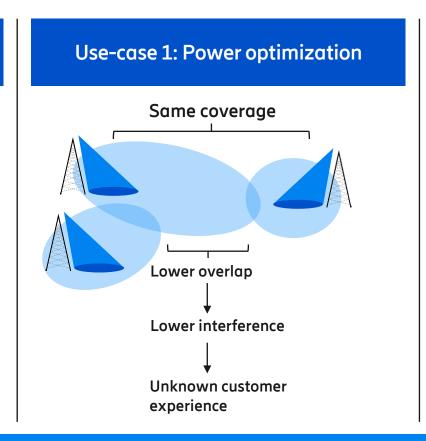
incidents prevented with RAN KPI degradation prediction

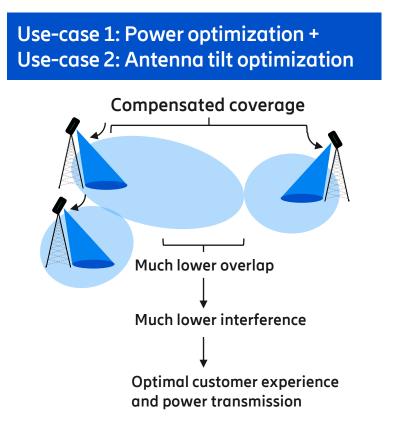
AI in Control



Energy saving without impacting experience

Radio network baseline **Excessive** overlap Opportunity to save energy and improve customer experience





AI can solve complex optimization problems such as balancing intent to increase bandwidth and coverage while reducing power consumption. AI is orchestrating a set of simultaneous AI driven actions.



AI in Action

Use cases and customer cases

Video 1: "5G Saving Lives"



AI in Action

Use cases and customer cases

Video 2: "AI For High Resiliency"

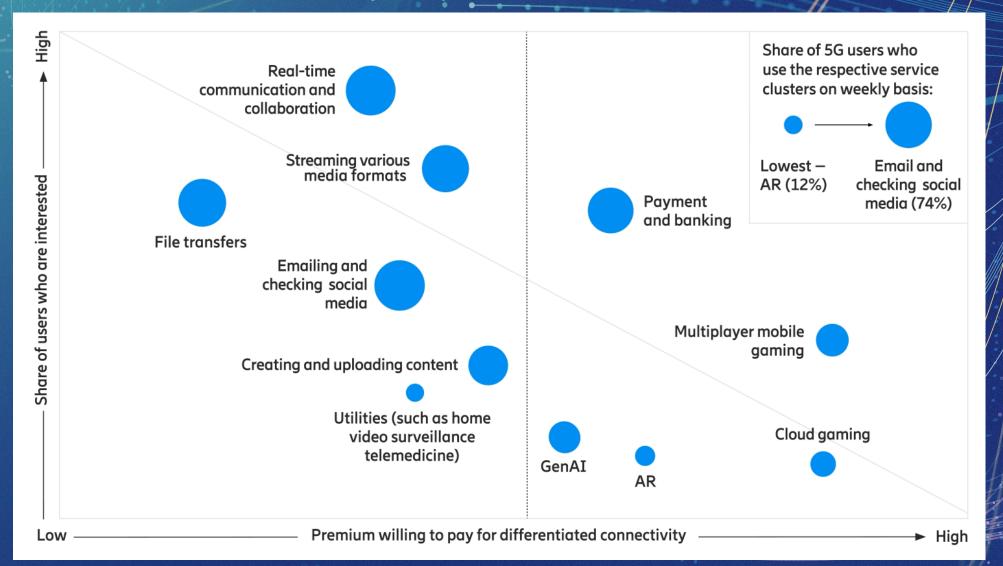


AI in Action

Use cases and customer cases

Video 3: "AI For Frauds Detection"

35 percent of 5G users today show a growing appetite for elevated connectivity beyond standard 5G performance





https://www.ericsson.com/en/ai