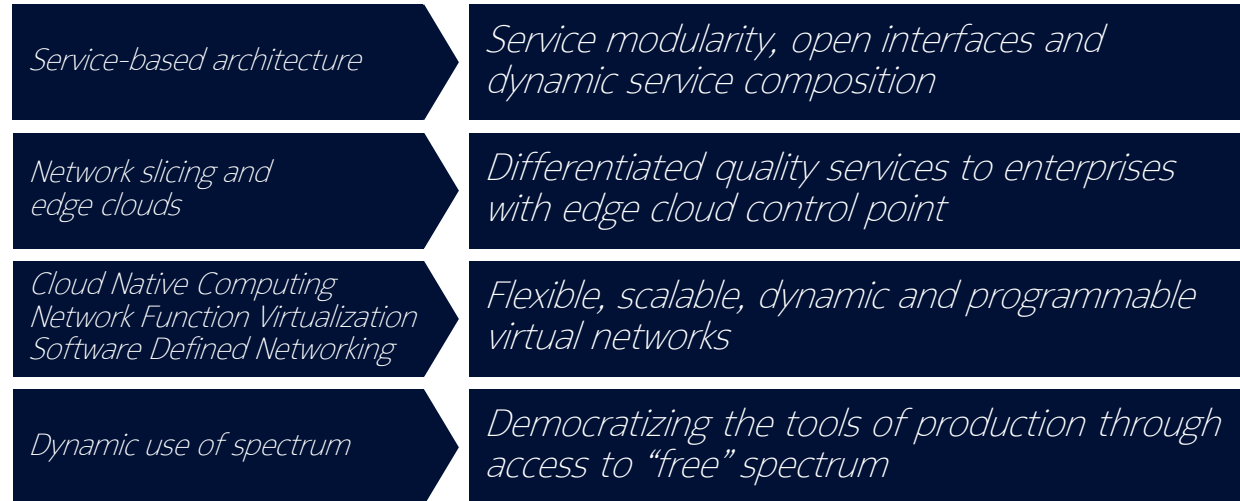


Transforming technologies

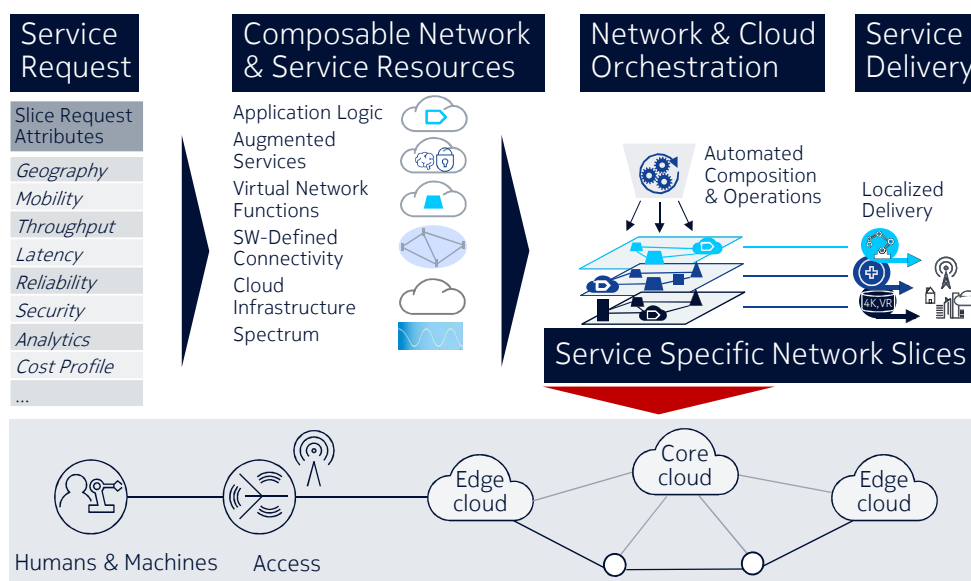
from current network-for-connectivity model to a network-of-services model



S. Yrjölä, P. Ahokangas, and M. Matinmikko-Blue, "Platform business models for the future wireless networks," BMC'19, 2019.

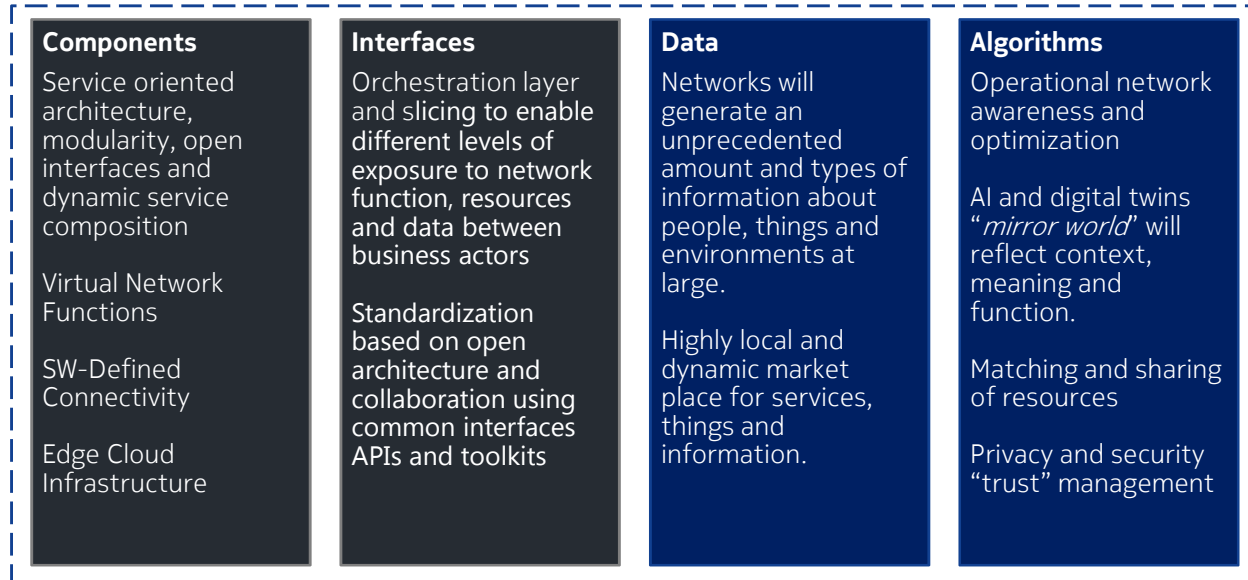
Transforming network architecture

enables agile service innovations



How is this all seen in future wireless networks?

Network-of-services model builds on platform with data and algorithms

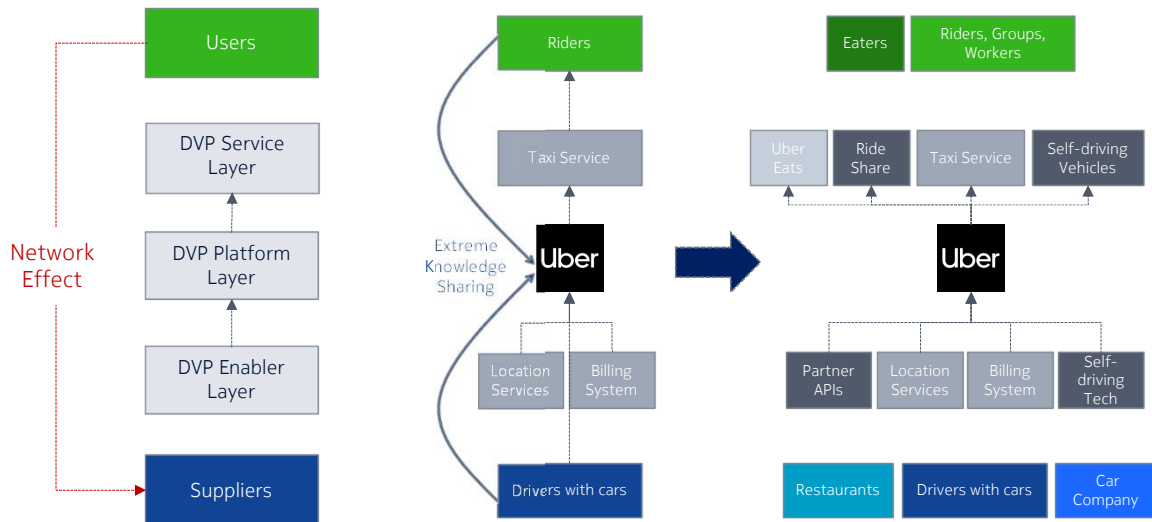


15 S. Yrjölä, P. Ahokangas, M. Matinmikko-Blue, "Novel platform ecosystem business models for future wireless communications services and networks," NFF 2019.

Context - The first four digital platforms



Perspective on platforms & their evolution



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Platform traits for data analytics solutions in the new world

Verticals Rule	Analytics platforms need to allow for easy specialization and onboarding of vertical-specific analysis algorithms.	Easy Specialization	
New business models	Support a high rate of new service introduction, and lower the barrier to entry for new entrants.	Extreme Service Agility	
Value is in the higher layers	Provide flexible analysis of real-time information streams, support a broad spectrum of analysis algorithms.	Real-time Analysis & Actuation	
It's about the data	Take fine-grained data ownership and controlled sharing to the extreme.	Extreme Data Federation	
Fragmented eco-system	Provide flexible architecture and integration strategies for existing blueprint solutions and OTT/IT architectures.	Heterogeneous Cloud Architectures	
Greenfield is rare	Interoperate vendor components with 3rd party products and open source, including compute for core, edge & device.	Heterogeneous Connectivity	

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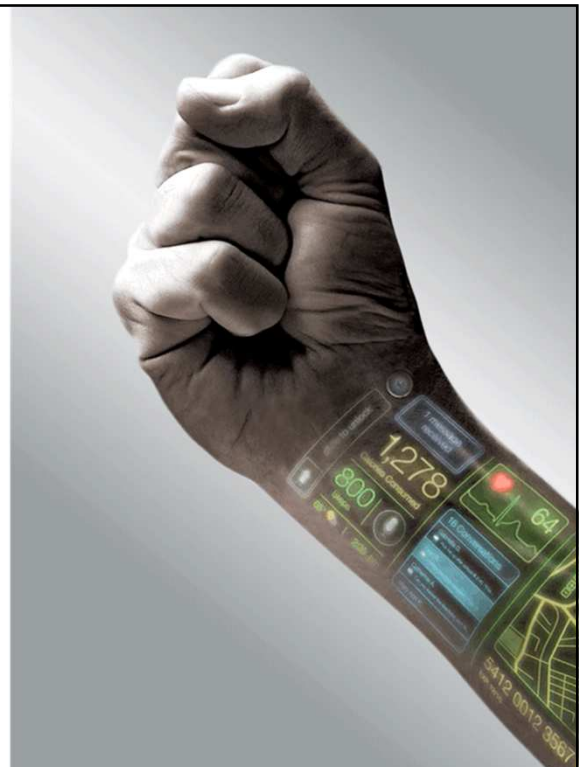
Today's moments-of-truth @Webscale



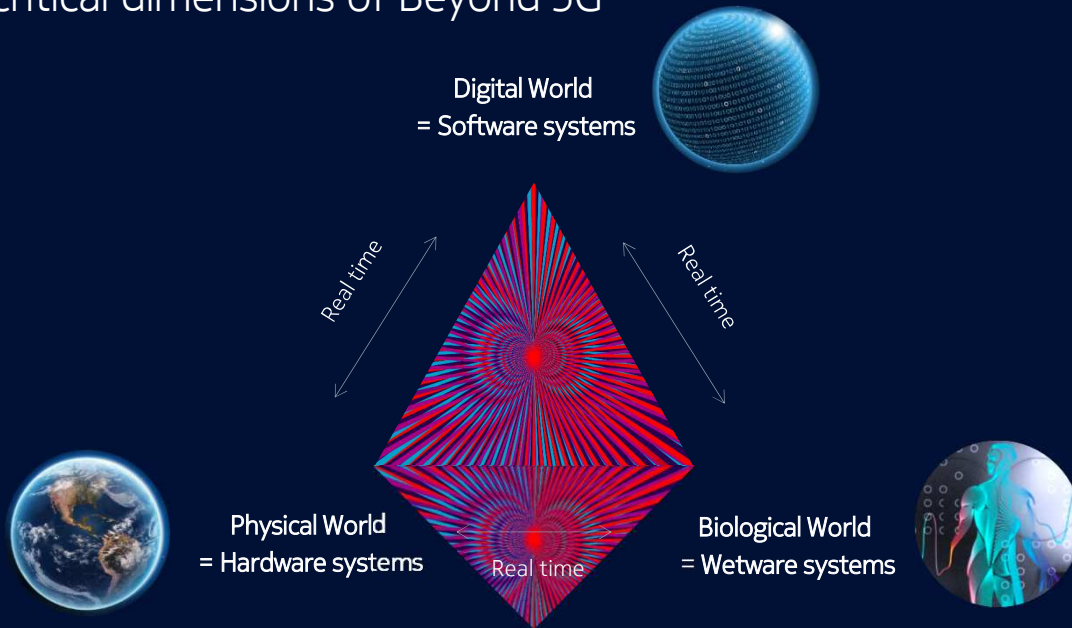
Latency does not matter
Queries are rather stable
Data is homogeneous & predictable
Data analysis in the central cloud

Tomorrow's moments-of-truth

New requirements from a new - industrial - reality

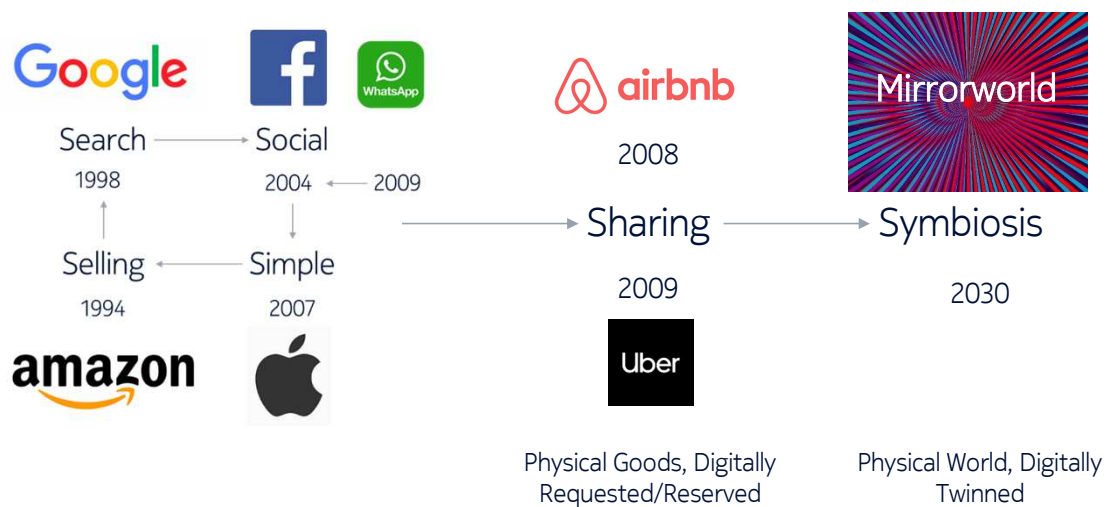


3 critical dimensions of Beyond 5G



NOKIA

Summary perspective - the evolution beyond 5G



<https://www.wired.com/story/mirrorworld-ar-next-big-tech-platform/>
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Thank you
Questions/discussion?

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