사업지원을 위한 5G 디지털 솔루션

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5G, facilitator for smart city/industry evolution

	Current, LTE	5G On the way	5G Full capability
Mobile Broadband	Screens everywhere	VR New tools	AR 4K 8K VR Immersive experience
Automotive	On demand information	Real-time information vehicle to vehicle	Autonomous control
Robotics	Process automation	Flow management and remote supervision	Cloud robotics and remote control
Energy & Utilities	Metering and smart grid	Resource management and automation	AI Machine intelligence and real-time control
Healthcare	Connected doctors and patients	Monitoring and medication e-care	Remote operations

Related Technologies			
	Multi-standard network Cat-M1/NB-IoT Cloud optimized network functions VNF orchestration	Gigabit LTE (TDD, FDD, LAA) Massive MIMO Network Slicing Dynamic service orchestration Predictive analytics	5G New Radio Network API exposure Federated Network Slicing Edge Compute Real time ML / AI Closed Loop Automation

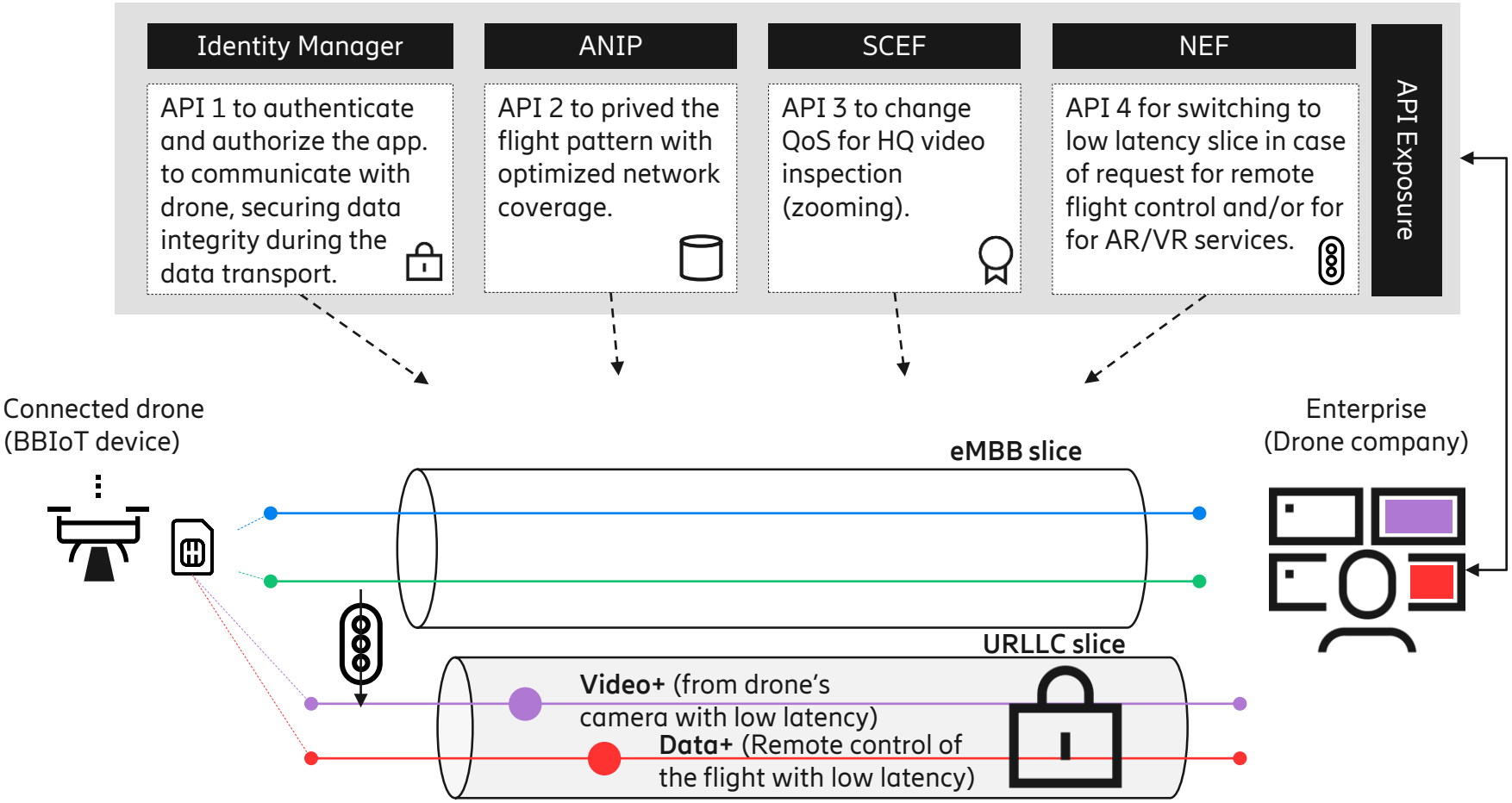
Connected drones demo

Enabled by 5G Network slicing and API exposure

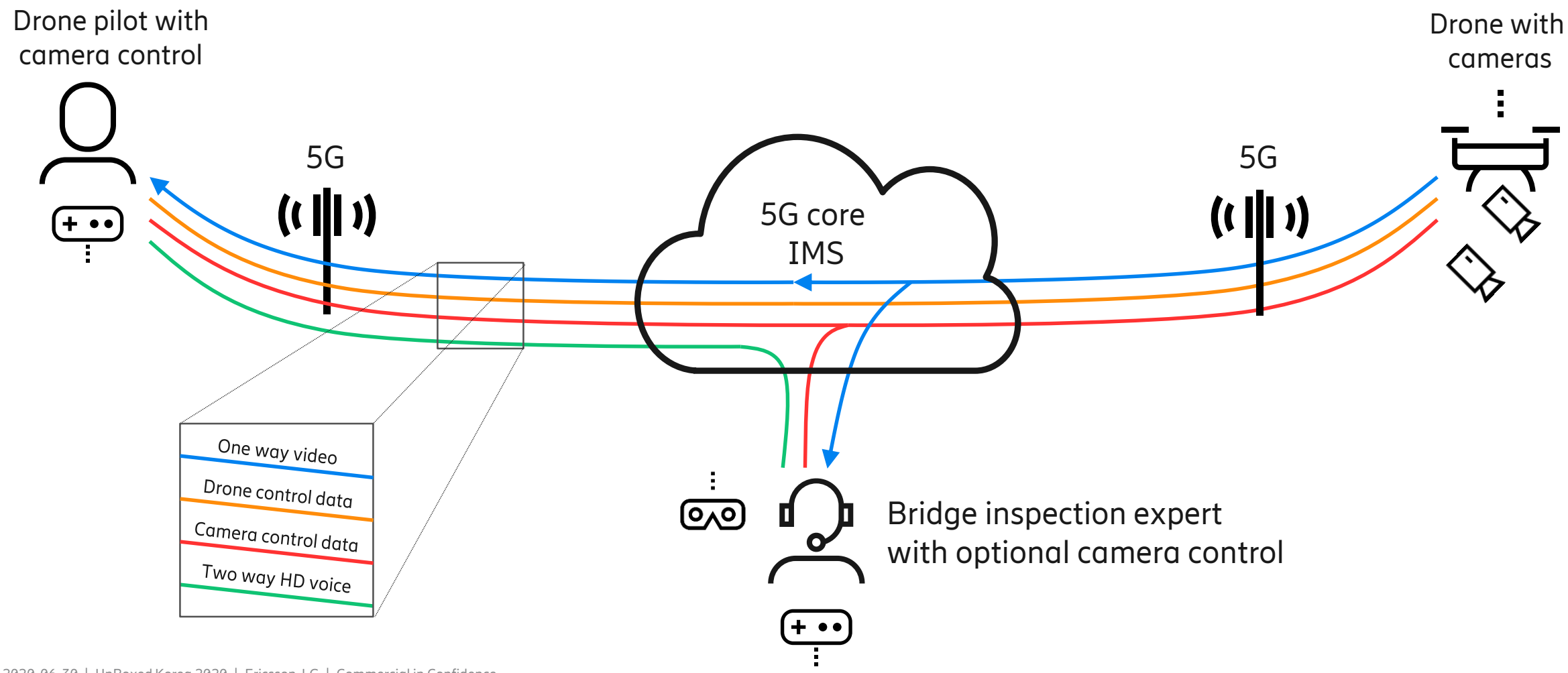
Network Exposure for Connected Drones

The solution behind the Remote control of the Connected Drone

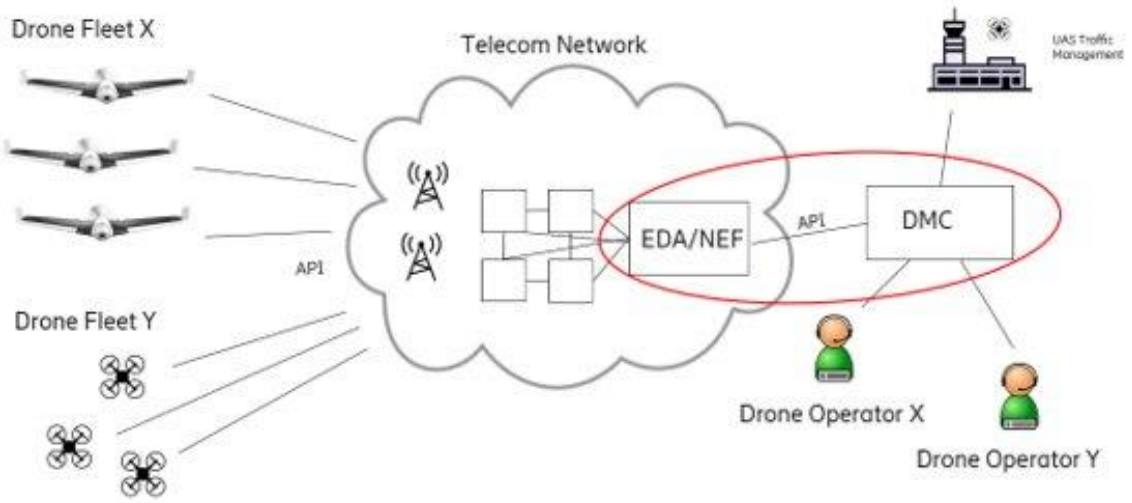
Application Driven Dynamic Slice Selection (5G enabled)

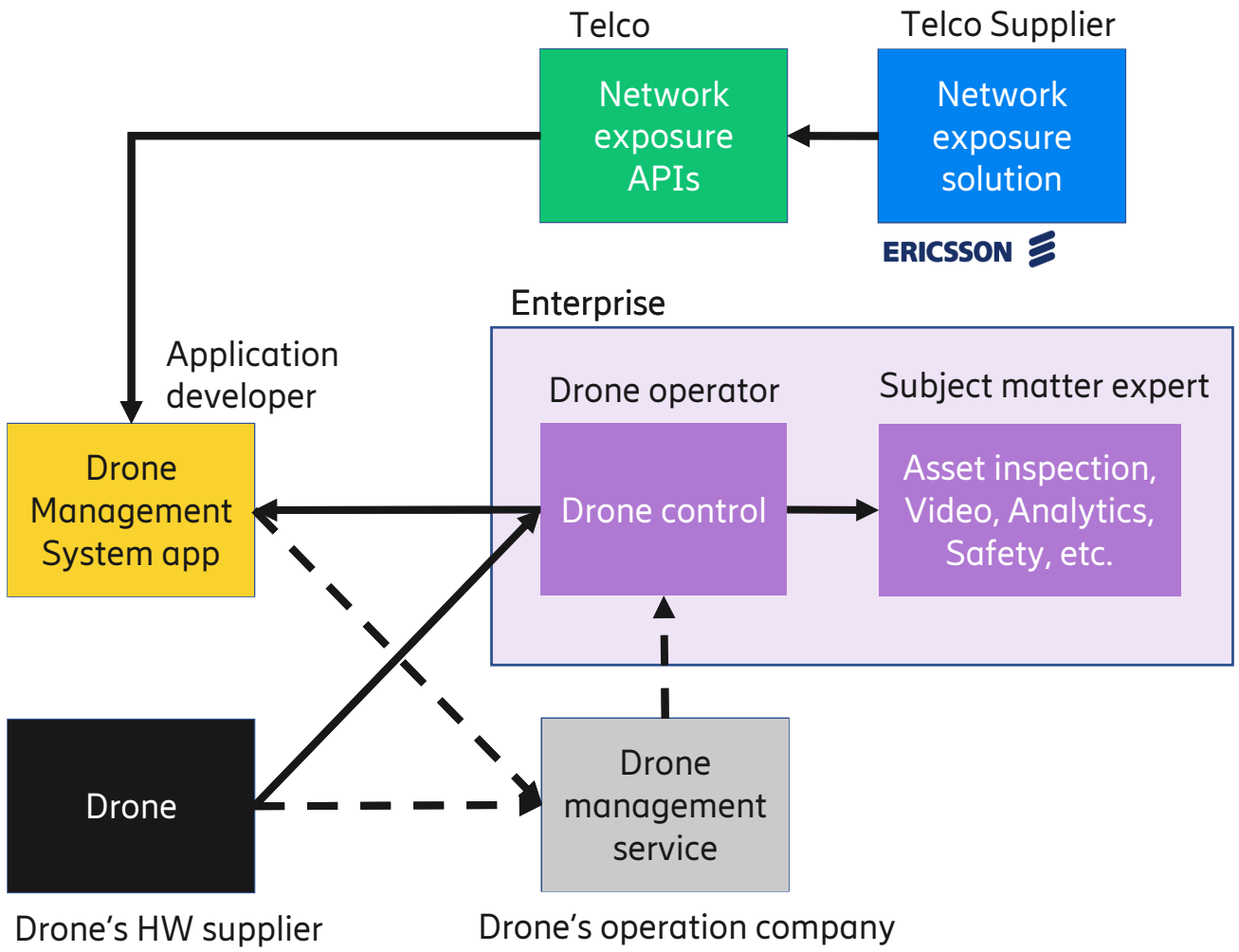


Connected drone control collabo. by interactive calling over 5G



Value chain and new ecosystem of connected drone





Interactive calling over 5G – Evolution of calling

Real-time communication

Talk/Hear

See

EPC + IMS

LTE

VoLTE

Telecom values

- Global find-and-connect with phone number
- Authentication
- Mobility
- Session transfer
- Quality of service
- Security
- Robustness
- Regulatory

Interactive calling

Talk/Hear

See

Touch

Move

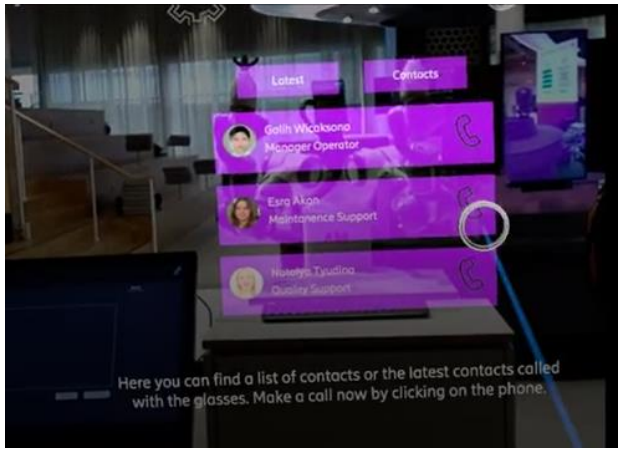
5GC + IMS

5G

5G Voice

Hundreds of new use cases for businesses

Demo video: Interactive calling with Digital Twin



Interactive calling over 5G - various use cases

Remote examinations

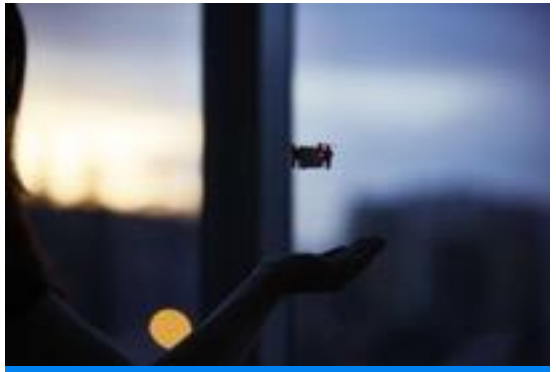
Machine control

VR with collaboration

Remote haptic control

Remote support

Remote surgery

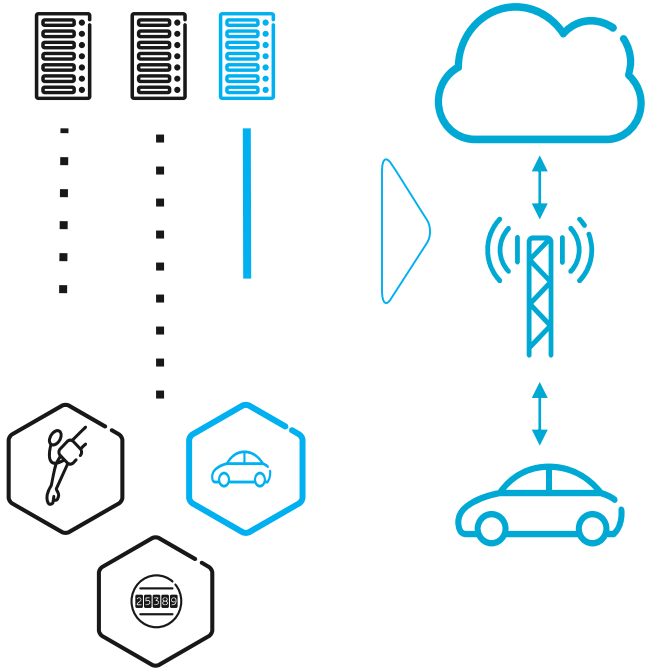


Drone steering

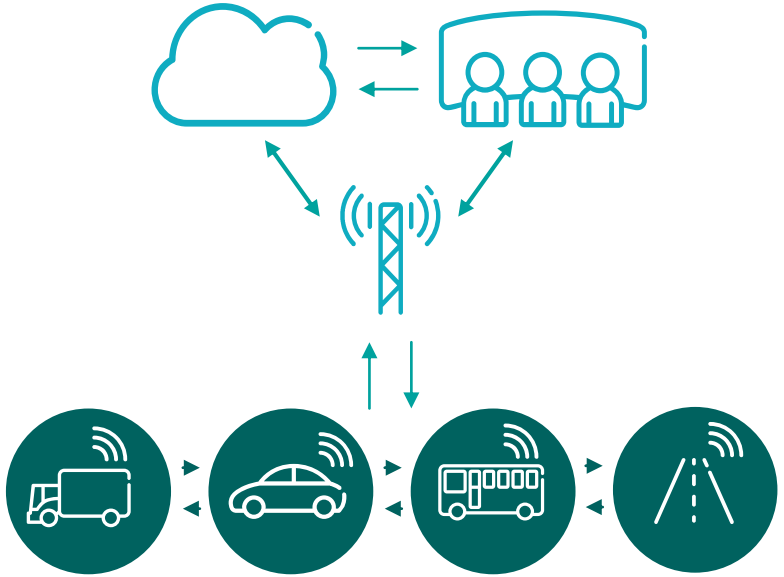
AR with control

5G will drive smart city/industry cooperating and automated

CONNECTED



COOPERATING



AUTOMATED

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