

5G AUTOMAATIOSSA JA ROBOTIIKASSA

MIKA RAITOLA - TELIA

5G AUTOMATION EXAMPLES

AR Guides



Video analytics, drones



Construction monitoring



AI, machine vision



Autonomous transport, Metro



Remote driving







Autonomous platforms, AGV



Person identification



5G AND NEEDS FOR AUTOMATION

	Wide, whole country	Local, city	Campus, factory	Workstation
Coverage needs				
Delay requirements	Easy	Maintenance Communication, voice IoT sensors		Tight Remote driving Automation, Control Drone Control
Bandwidth needs	Moderate	Voice, Push-to-talk, messaging IoT sensors Laptops, screens		High Remote driven machine, fleet Video analytics Video monitoring, operations, security 360 videos, AR





5G

10-20x LATENCY
CAPACITY

+ NETWORK SLICING
+ EDGE COMPUTING



The New Generation Telco