Orange

On the road to 56



2018, February 26th

Arnaud Vamparys

SVP Radio Networks

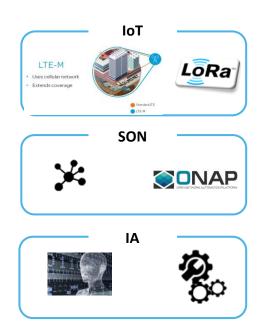


connectivity expectation is growing

Coverage	the customer's expectation is increasing : a high quality connection everywhere (home, transports, rural,)
	our customers, specially in Africa, ask for a more affordable basic internet access
Speed	new usages, like virtual reality or augmented reality, requires faster speed
Connected Objects	some objects, like driverless vehicles, drones or robots, call for higher performance
	low-end, low energy consumption sensors will be massive and should be handled properly



Orange is leading 4G connectivity in Europe* and MEA





"What's important to our customers is the quality of the network they perceive, in the places where they spend most time or pass through on a daily basis"

Stéphane Richard, Essentials2020





an unmatched customer experience thanks to fiber and LTE investments





Orange is on the road to lead 5G connectivity in Europe



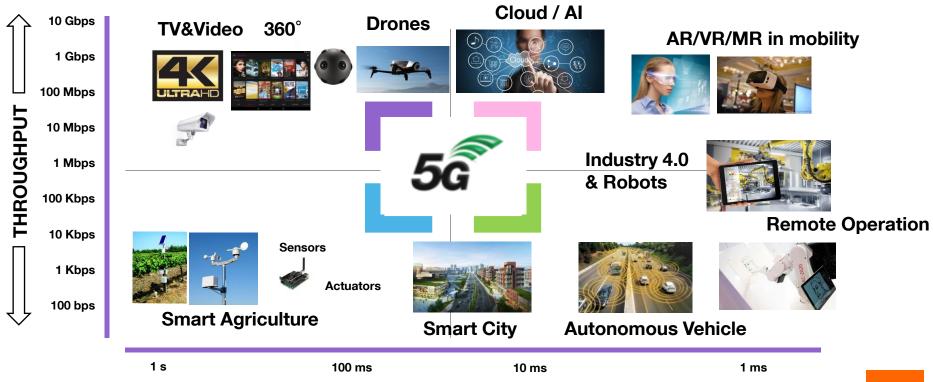


The 5G Infrastructure Public Private Partnership

- ICT-17-2018: 5G End-to-End Facility
- ICT-18-2018: 5G for Cooperative, Connected and Automated Mobility
- ICT-19-2019: Advanced 5G validation trials across multiple vertical industries



thanks to 5G multi-service network, new usages will emerge



orange™

allowing new opportunities

an acceleration of our Internet of Things diversification















a fixed wireless access to terminate fiber in suburban and rural areas



a reliable LAN connectivity for businesses



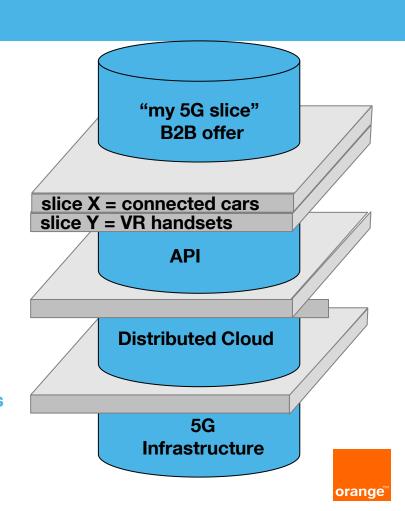


and new business model

network slicing will generate new business models:

- On Demand Network leveraging NFV + SDN will be accessed through APIs
- agile and flexible 5G network empower each verticals or type of objects with specific SLA
- service based operator public network is creating more value for the customers and the industry

The European regulation is evolving: the first step is the possibility to create specialized services



On the road to 5G

