E-Health Vertical utilizing 5G Networks

Panagiotis Matzoros
Researcher

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Smart Ambulance Via Intelligence On Road

WHEN EVERY SECOND COUNTS…

Panagiotis Matzoros
Achilles Dragoutas
Nikolaos Foukas
Athanasios Papathanasiou

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The Challenge:

- Response Time is the most important factor for reducing mortality and morbidity rates.

  Reducing the response time by just one minute, the survival rate of the patients with sudden cardiac arrest is immediately increased by 24%.

- Facilitate an adequate prehospital treatment for the patients by paramedics in an ambulance

  See & Treat : treating at the scene is the new care model

- Foster medical personnel & equipment preparation (including Emergency Dept), for a particular treatment at the hospital.

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Key Facts:

- Average annual growth of Demand for Emergency Services
- Target of arriving at scene Response Time for the high priority (Red1) incidents is NOT met
- Triage protocol not unified & digitized
- Limited ability to track Patient vitals status remotely, trigger alarms, receive treatment advices and notes in real time while the patient is in the ambulance
- Emergency department overcrowding and ambulance diversion
- Real time communication relies on old technologies

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" To effectively drive & apply *technology* developments

for a *#betterworld*

by promoting Communication, Healthcare, urban Mobility & other aspects of our life,

with special focus on *first responders* mission "

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Our Solution:

- Unlimited hi-level communication between hospital and ambulance. Continuous real-time data exchange.



- AR assisted e-care. At-scene treatment facilitated by collaboration & advice of remotely connected physicians


- Provide patient transfer & Route optimization, by a dynamic interaction with the Traffic Lights Control System

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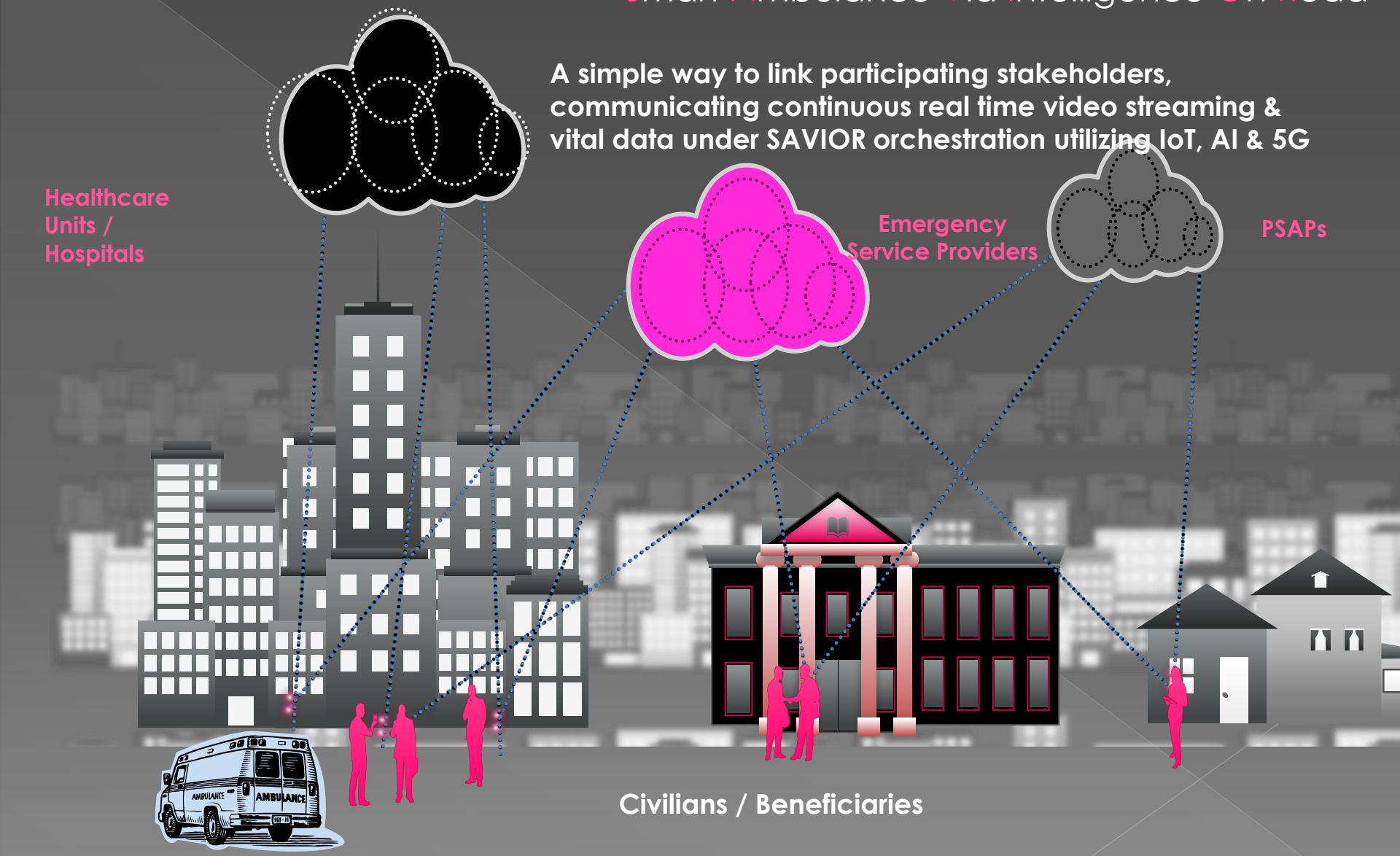
A simple way to link participating stakeholders, communicating continuous real time video streaming & vital data under SAVIOR orchestration utilizing IoT, AI & 5G



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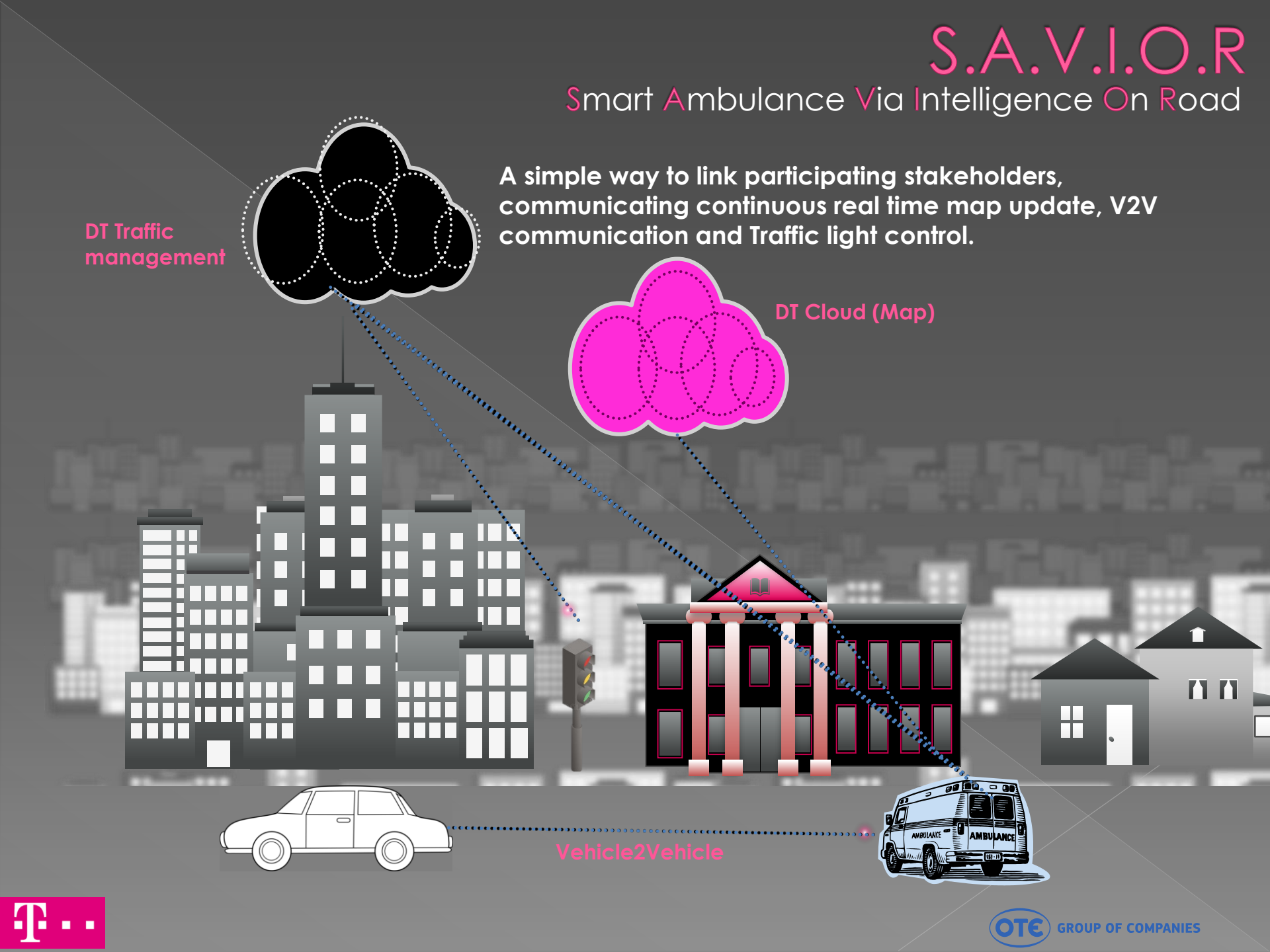
A simple way to link participating stakeholders, communicating continuous real time map update, V2V communication and Traffic light control.



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5G Requirements:

- High throughput
- Ultra Low Latency
- High Reliability
- High vehicle Speeds (Data Rate)
- Device density
- Quality of Resilience (QoR)

- Ultra Low Latency
- High Reliability
- Security & Privacy
- Device density
- Energy Efficiency
- Quality of Resilience (QoR)

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Land Grabbing story:

- SAVIOR, ***Delivered*** as an ***Orchestrated life & mission*** *critical* ***Service***, with ***end2end SLA***, to the First Responders (public & private accounts), building ***Partnerships*** with established & innovative application providers in the fields of traffic management control & Health.

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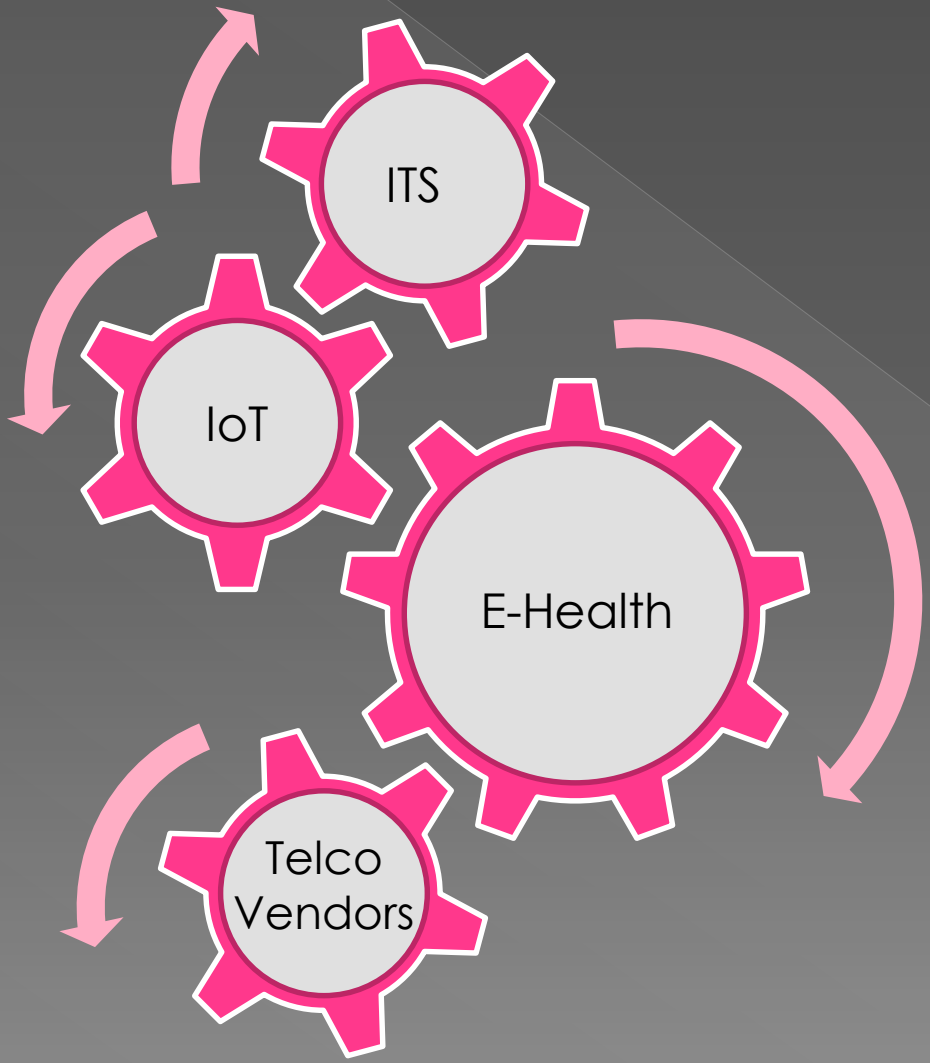
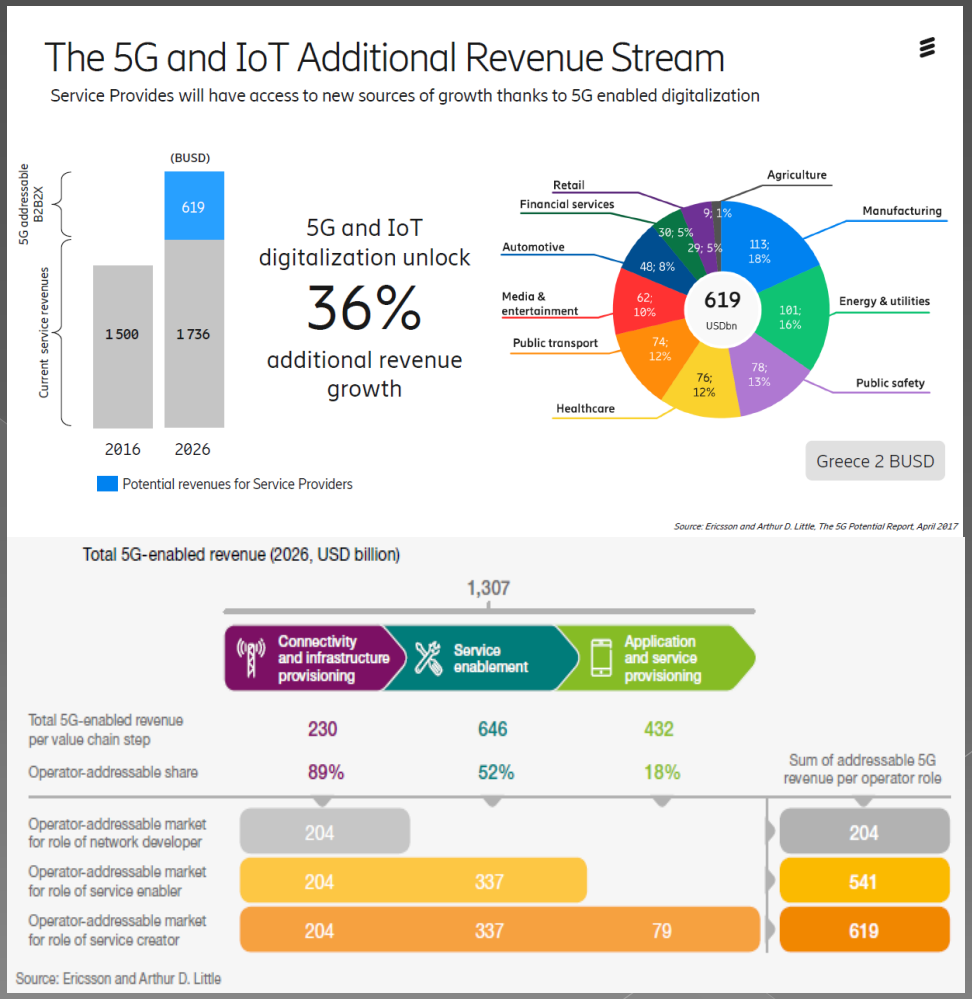
SAVIOR CLUSTER



The world goes round: Disruption is here



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powered by Ioannis Krommydas

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Thank You!