

A detailed illustration of a smart city in shades of blue. It shows various buildings, houses, and people, all interconnected by a network of white lines and Wi-Fi symbols. Labels like 'CONNECTED CITY', 'CONNECTED THINGS', 'CONNECTED HOUSE', 'CONNECTED HEALTH', 'CONNECTED PEOPLE', and 'CONNECTED TRANSPORTATION' are scattered throughout the scene. A satellite is visible in the sky, and a car is on the road in the foreground.

European Smart Networks Strategy

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CONNECTED CITY

CONNECTED HOUSE

CONNECTED HEALTH

CONNECTED PEOPLE

CONNECTED TRANSPORTATION

5G PPP

The European path towards global next generation communication network



5G IA

www.5G-IA.eu

The VOICE of
EUROPEAN INDUSTRY
for the DEVELOPMENT
and EVOLUTION of
5G

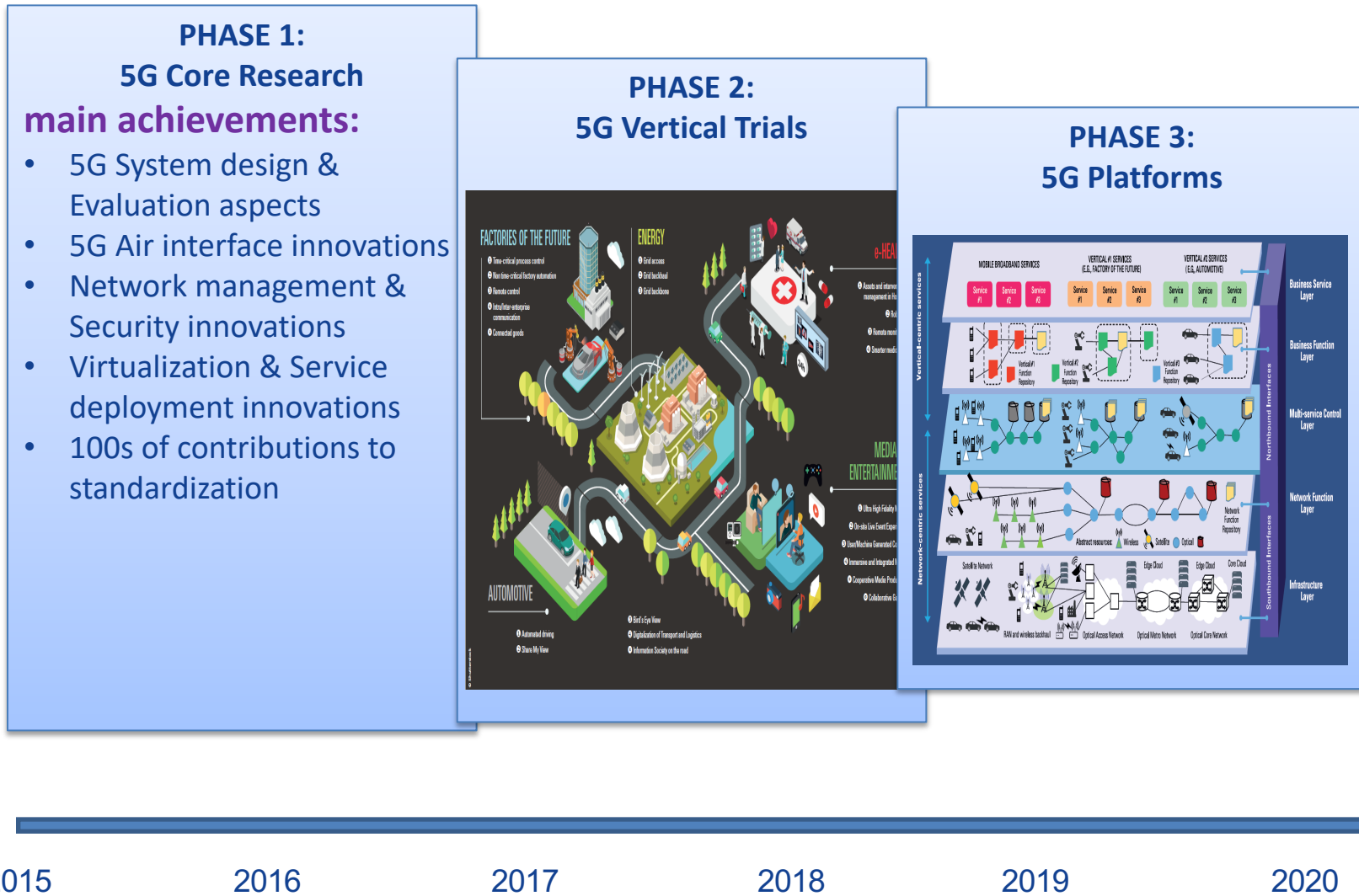


5G IA

5G PPP
PUBLIC-PRIVATE PARTNERSHIP



The 5G PPP is co-funded by
the Horizon 2020 programme
of the European Union

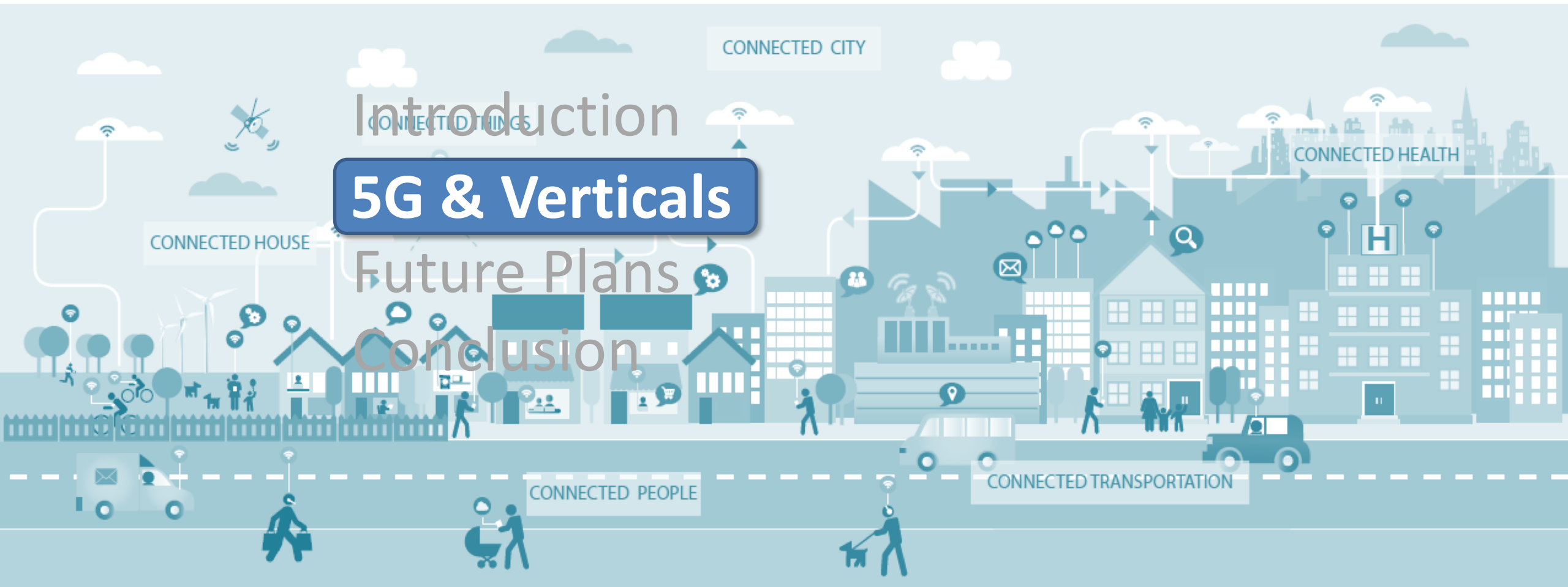


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The true differentiator for 5G is the vertical markets.
If we fail with the verticals, we fail with 5G.

Financial Benefit of Using 5G in Vertical Markets

Verticals Benefits	Automotive (€ mn)	Healthcare (€ mn)	Transport (€ mn)	Utilities (€ mn)	Total (€ mn)
Strategic	13,800	1,100	5,100	775	19,770
Consumer	13,900	207	-	3,000	17,110
Third Party	13,700	72	-	-	13,770
Total	42,200	5,530	8,300	6,470	62,500

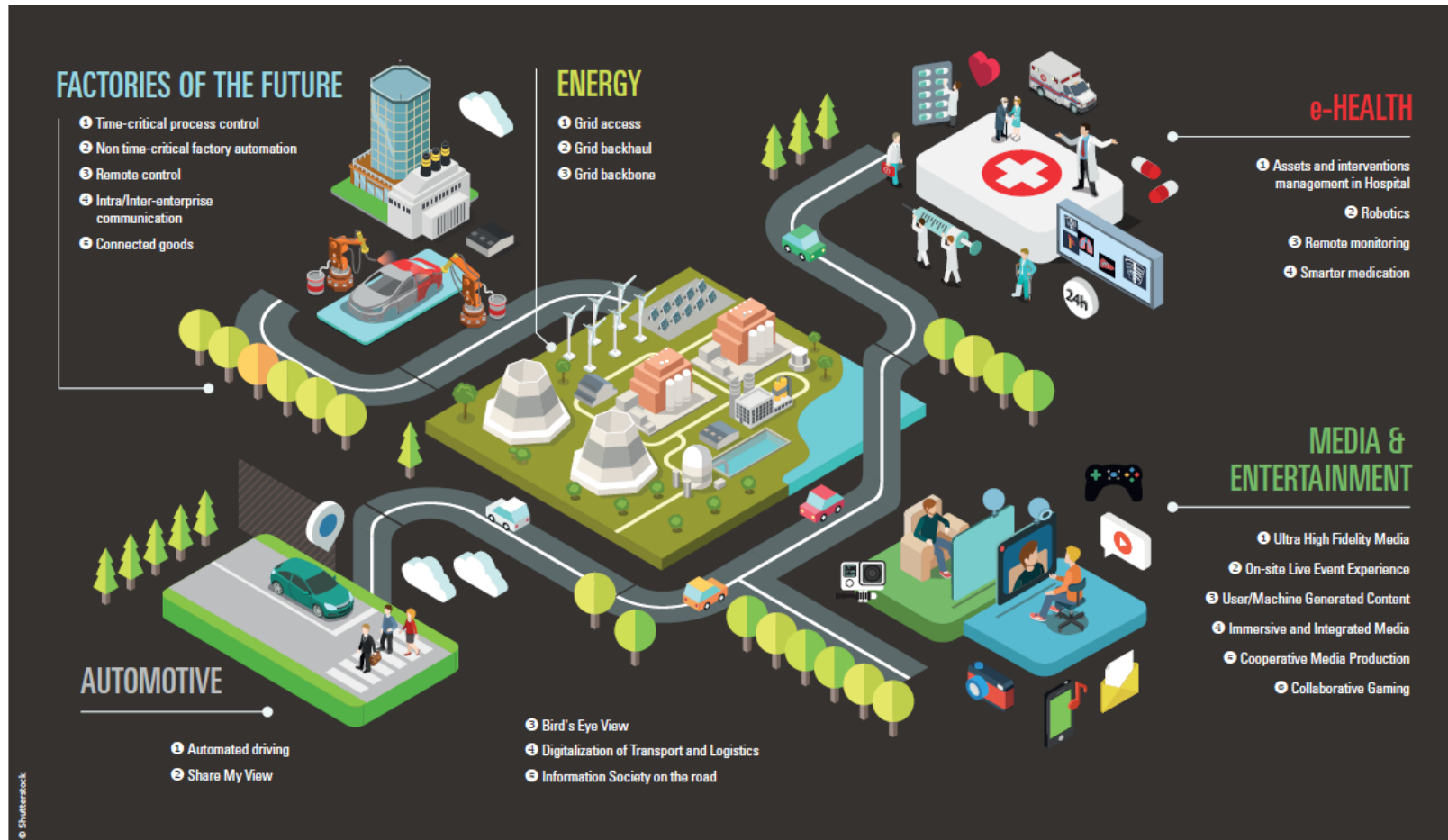
Totals may not correspond due to rounding



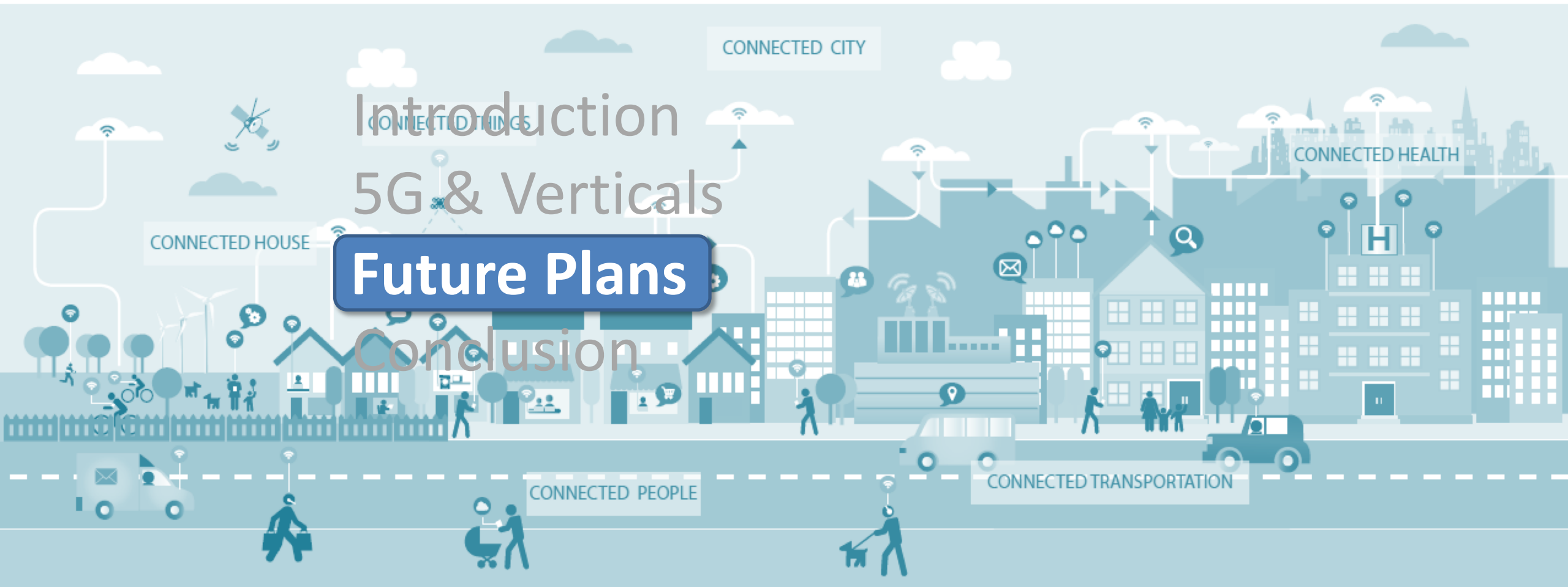
Source: *Identification and quantification of key socio-economic data to support strategic planning for the introduction of 5G in Europe*
A study prepared for the European Commission DG Communications Networks

5G – A driver for industrial and societal changes Now and in the Future

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Source: 5G Infrastructure Association: 5G Empowering vertical industries. White Paper, 2016, https://5g-ppp.eu/wp-content/uploads/2016/02/BROCHURE_5PPP_BAT2_PL.pdf.



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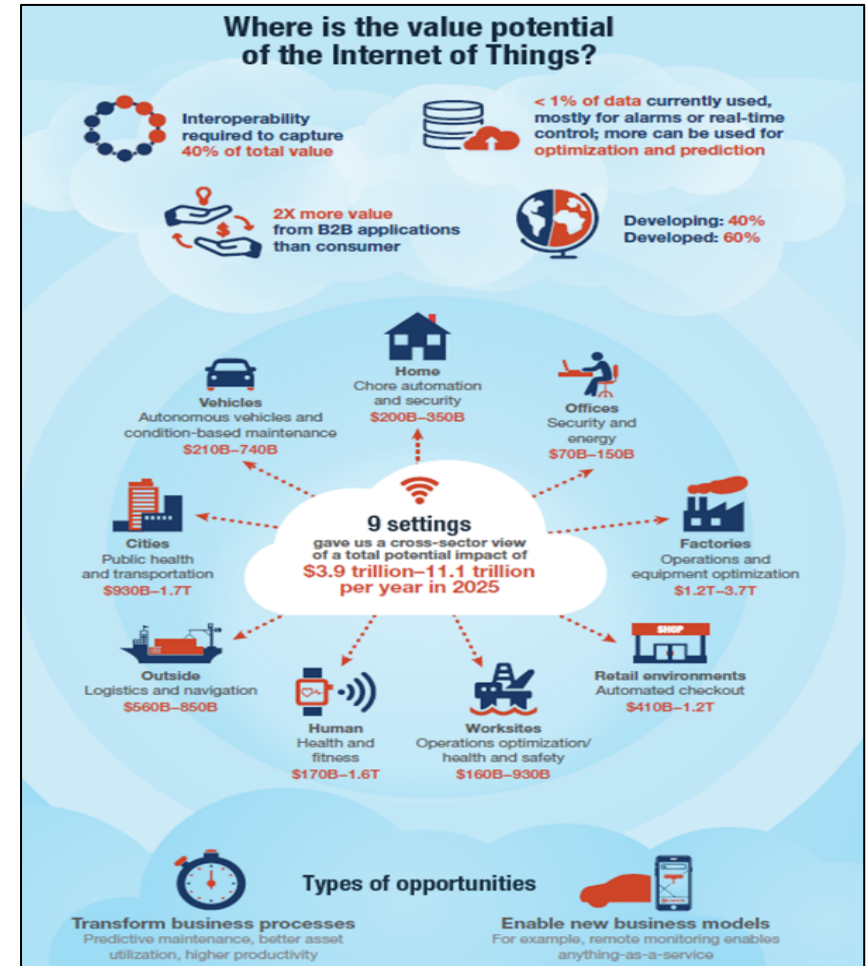
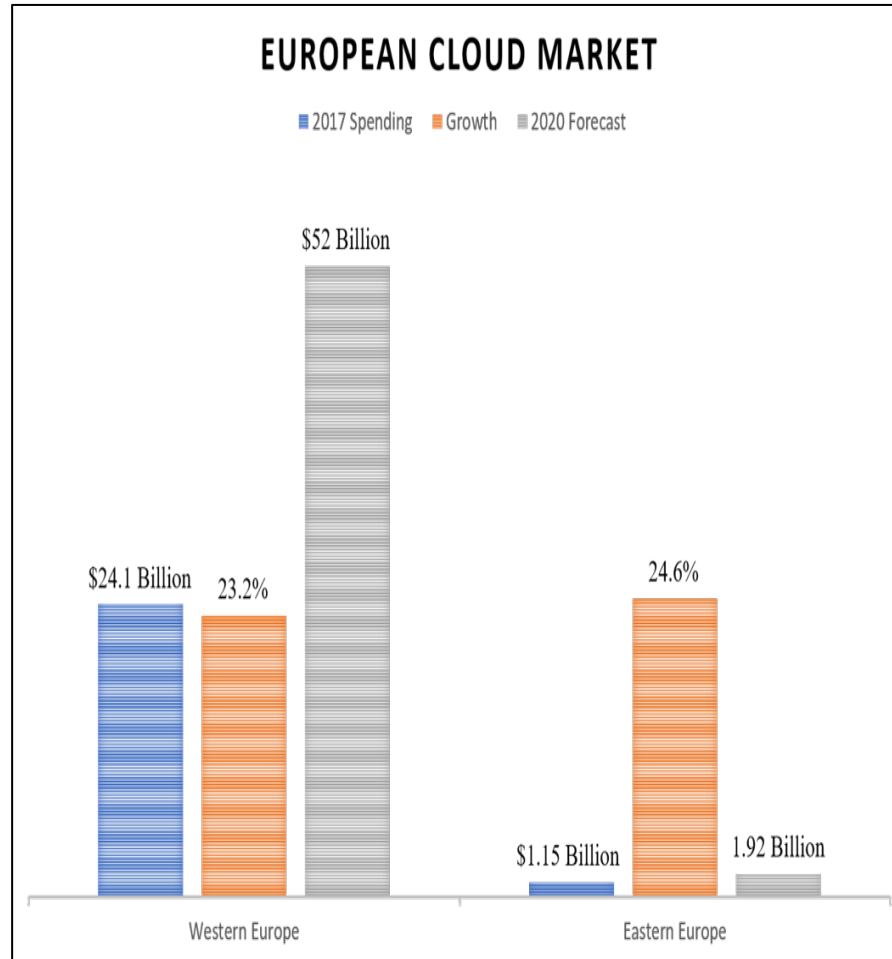
Conclusion

Beyond 2020

- Communication networks provide the life blood to realize the digital society
- Connectivity has gone from a luxury to a critical human right
- Research, development and deployment of communication networks will be a key future economic differentiator
- 2020 does not mark the end of network infrastructure development We need a Smart Networks Partnership instrument in Horizon Europe to continue European technology leadership

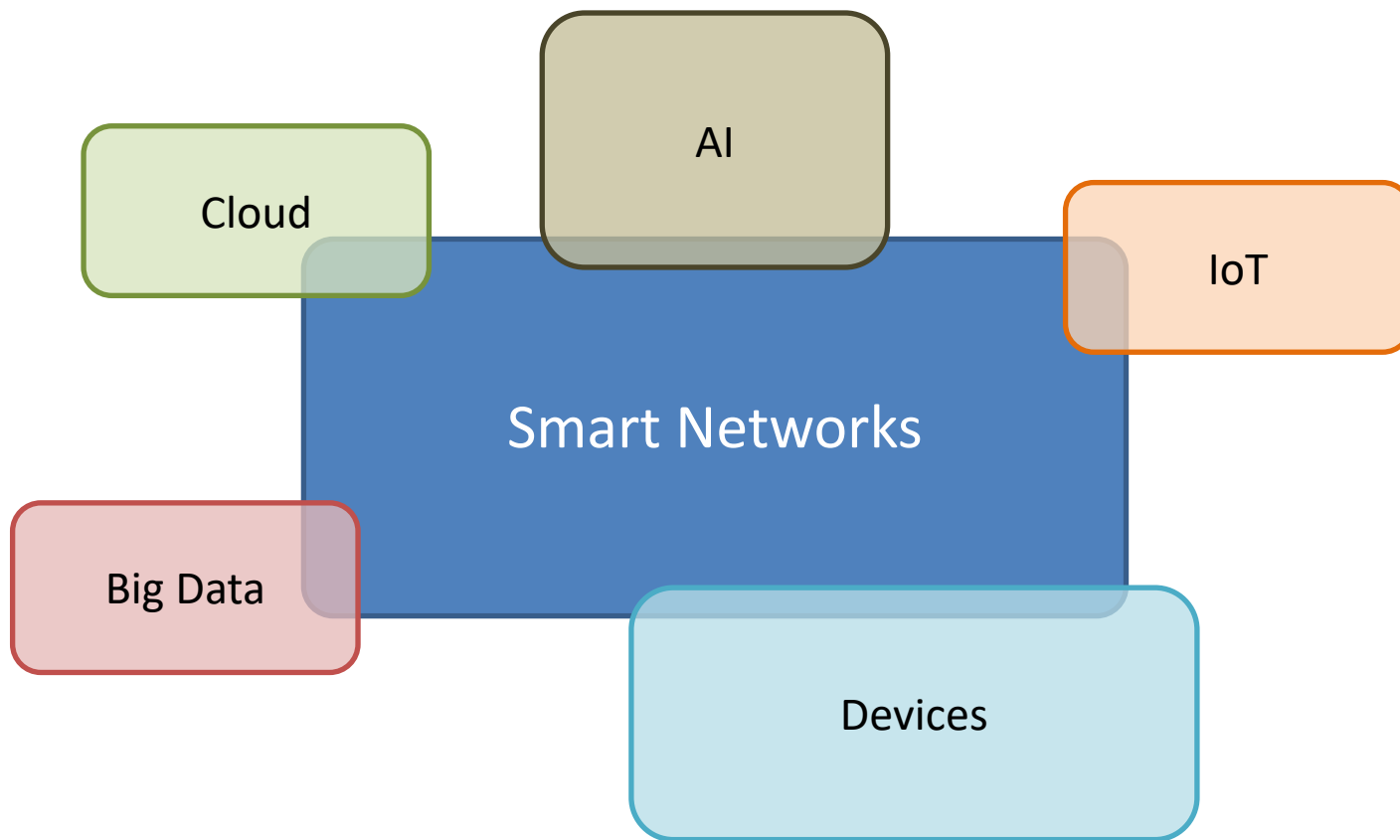


But its not Just Networks



-> We Need end to end story

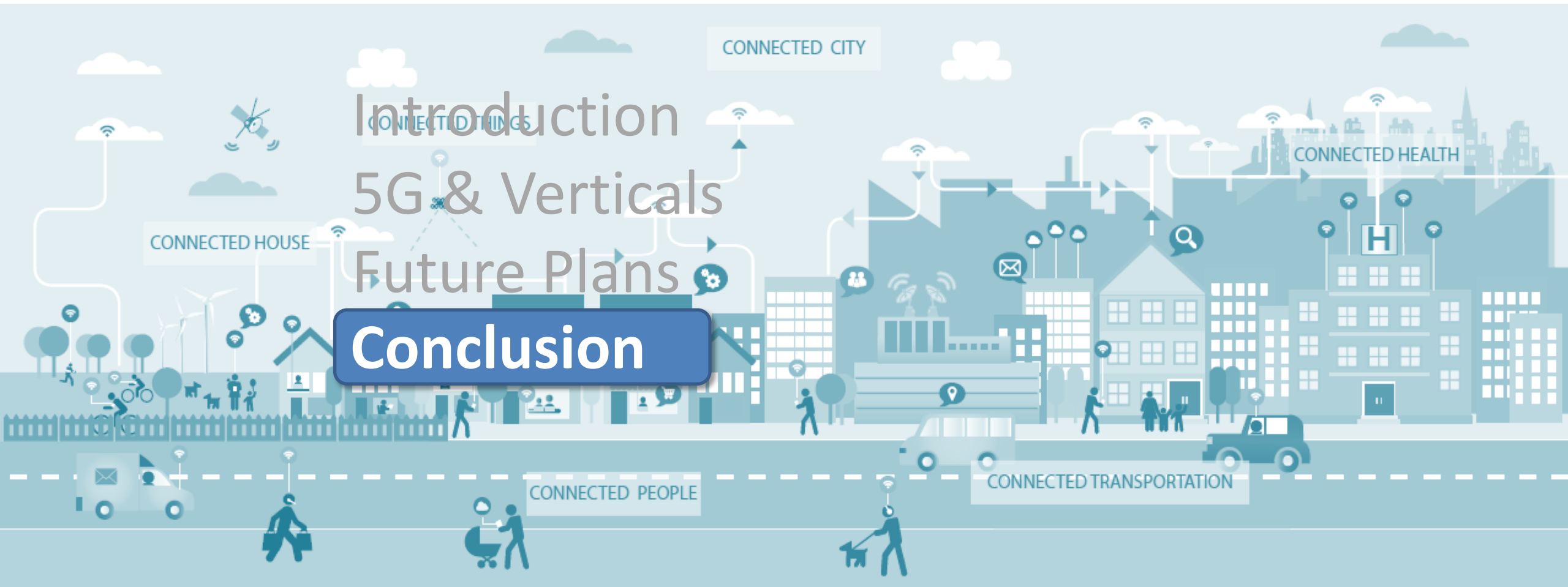
Build on European Strengths



-> Ensure Digital Autonomy

5G PPP

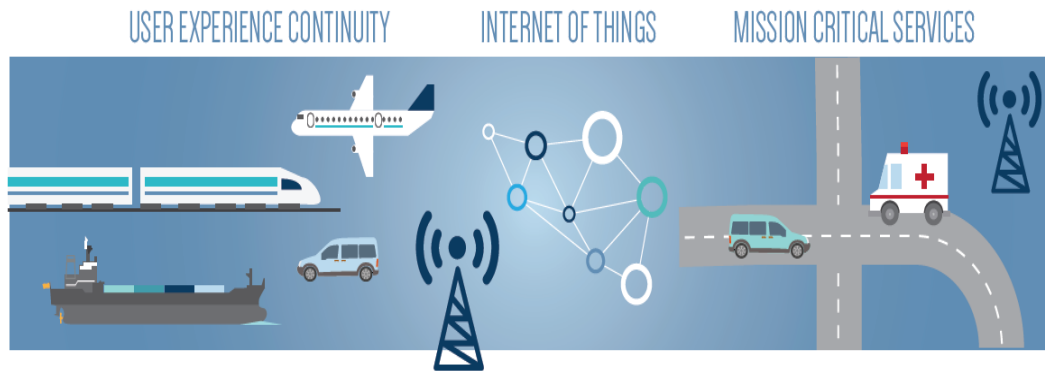
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Conclusions



SMART NETWORKS

- Europe should focus on being the first with “Full 5G” i.e. 5G to realize the full potential of the Vertical markets
- Europe should make substantial and sustained investment in Horizon Europe to retain network infrastructure technology leadership (Smart Networks & Services)
- SN&S needs to go beyond mobile communication
- Through collaboration and alignment we can strengthen other ICT sectors by leveraging European strength in the mobile communications domain