

Technology Deep Dive III

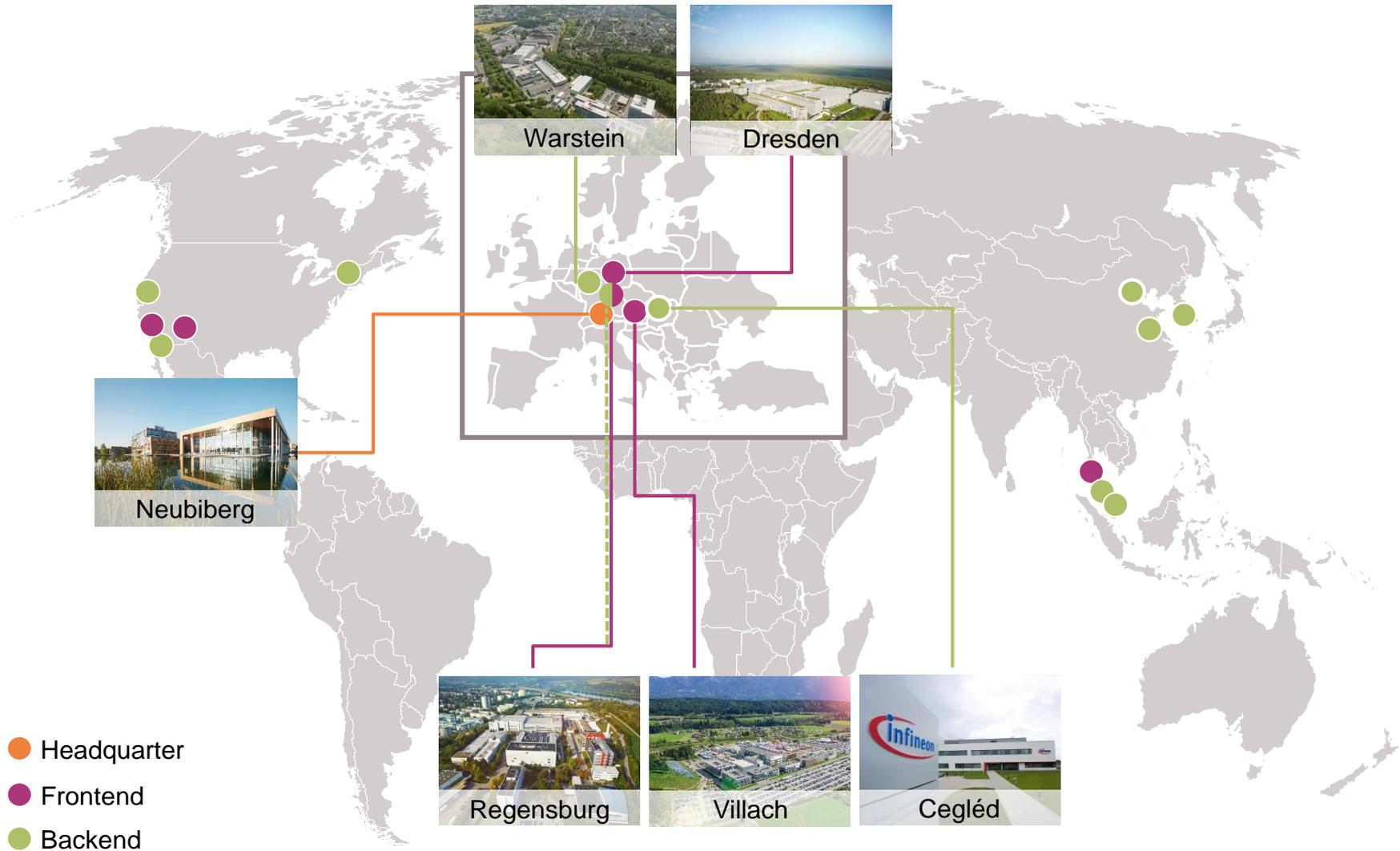
Semiconductor's Challenge

NetWorld2020 Stakeholder Workshop
2 October 2019, Dresden

- restricted -



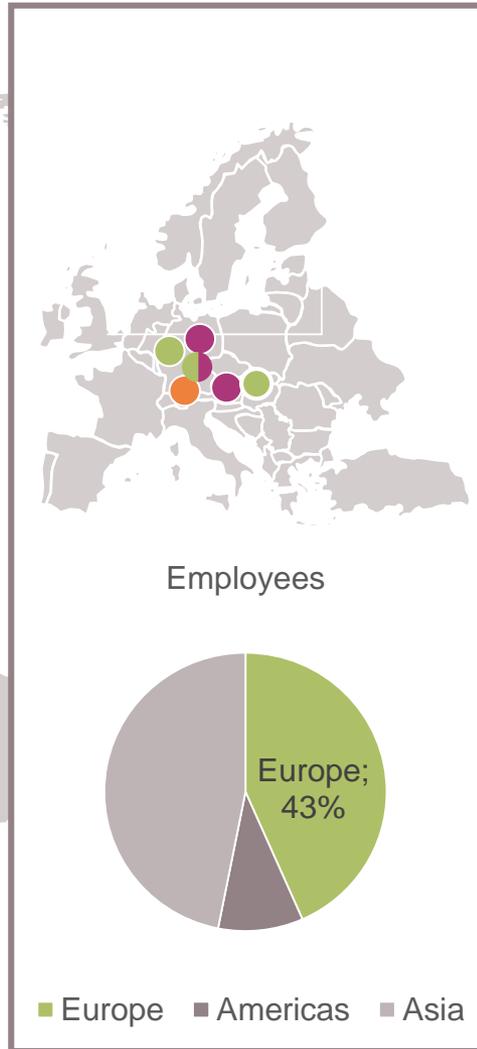
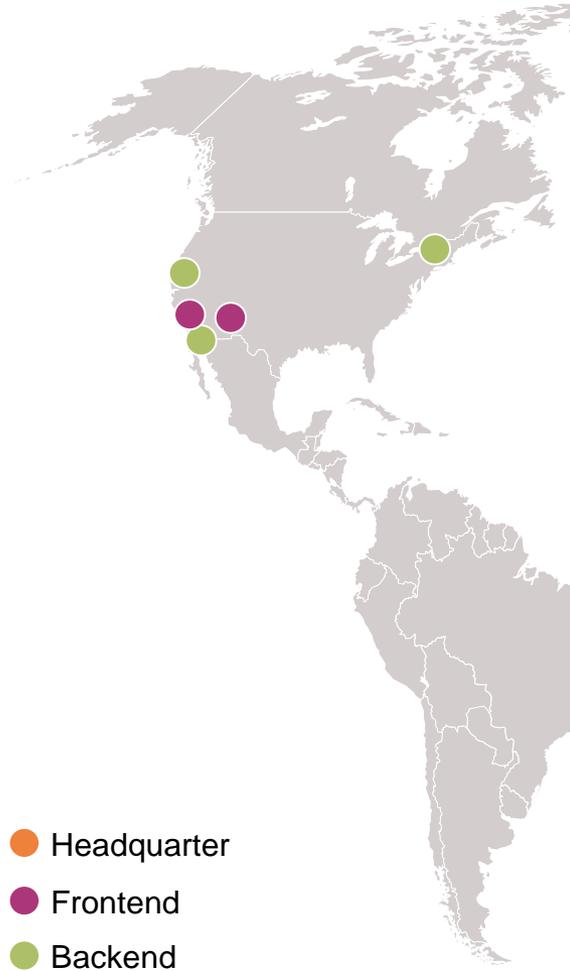
Infineon a European Company



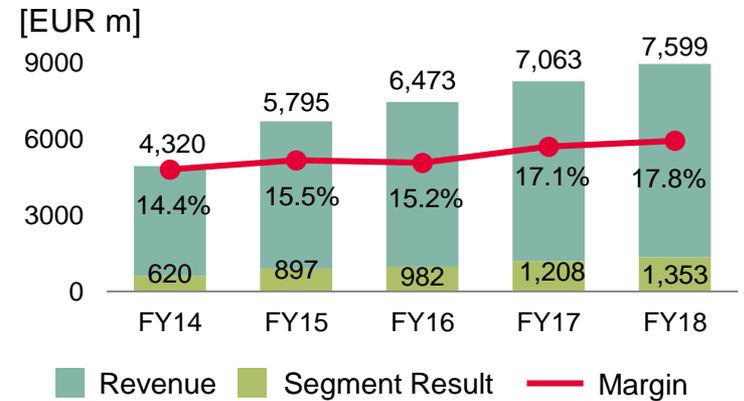
- Headquarter
- Frontend
- Backend

Stand: 30. September 2018

Infineon a European Company



Financials



Market Position



As of September 2018

Business growth in the semiconductor market is driven by four key trends

Energy efficiency



Mobility



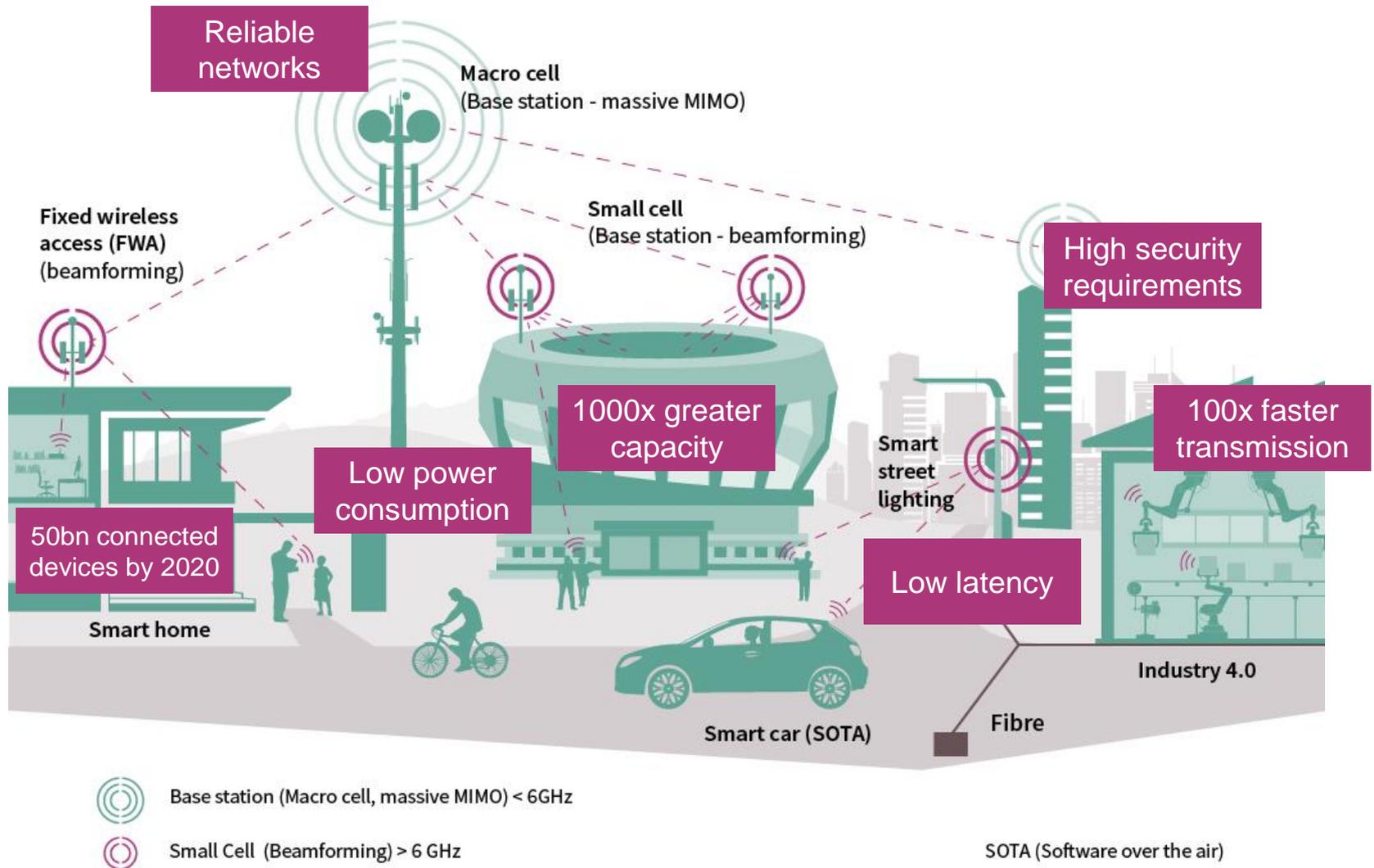
Security



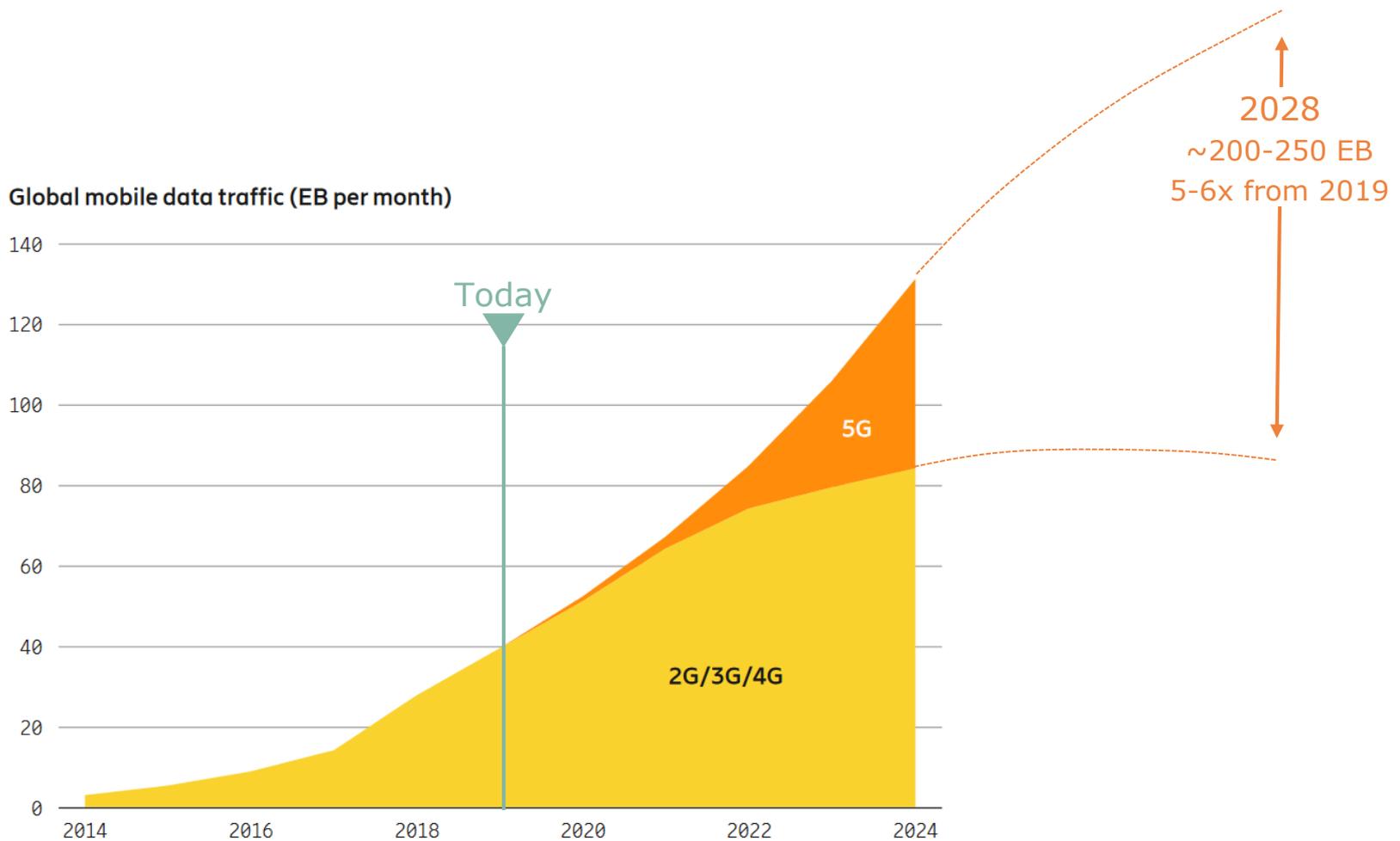
IoT & big data



Transition from 4G to 5G and beyond

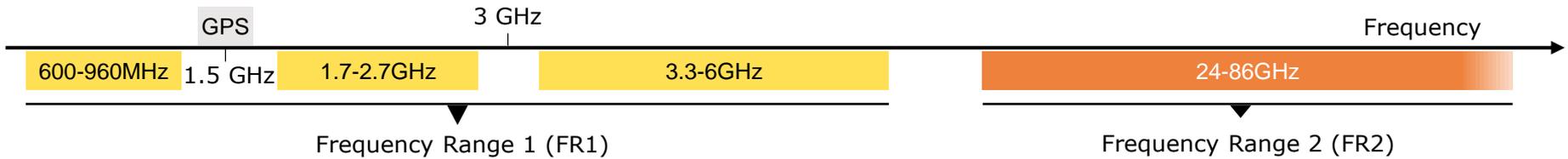


Which technology can handle the data demand?

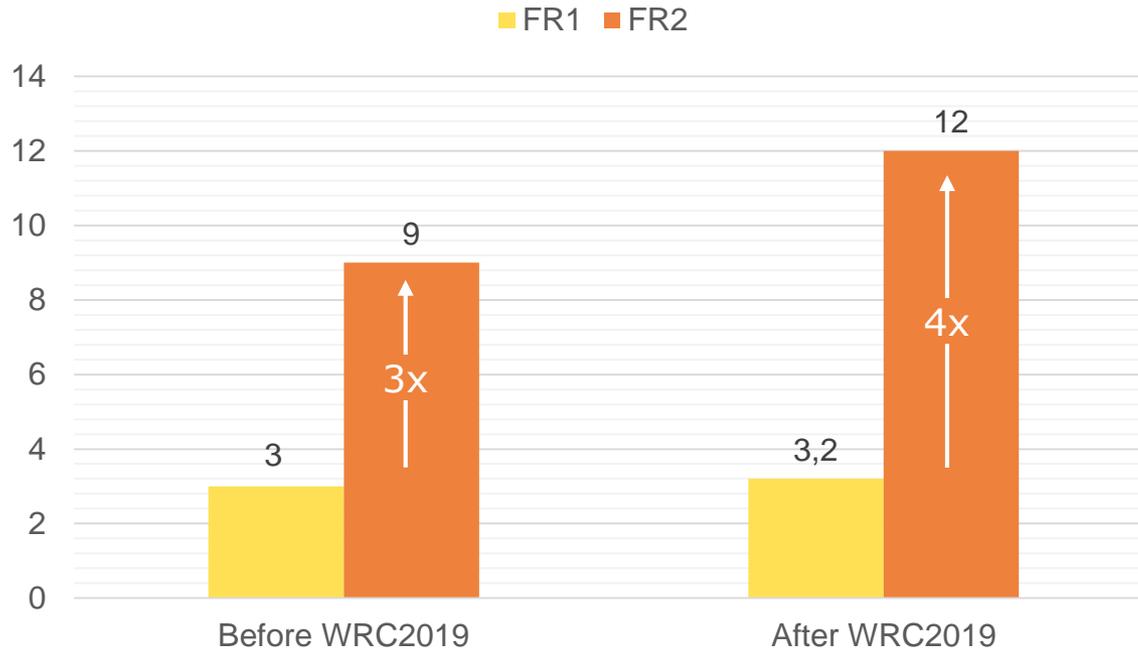


Source: [Ericsson Mobility Report June 2019](#)

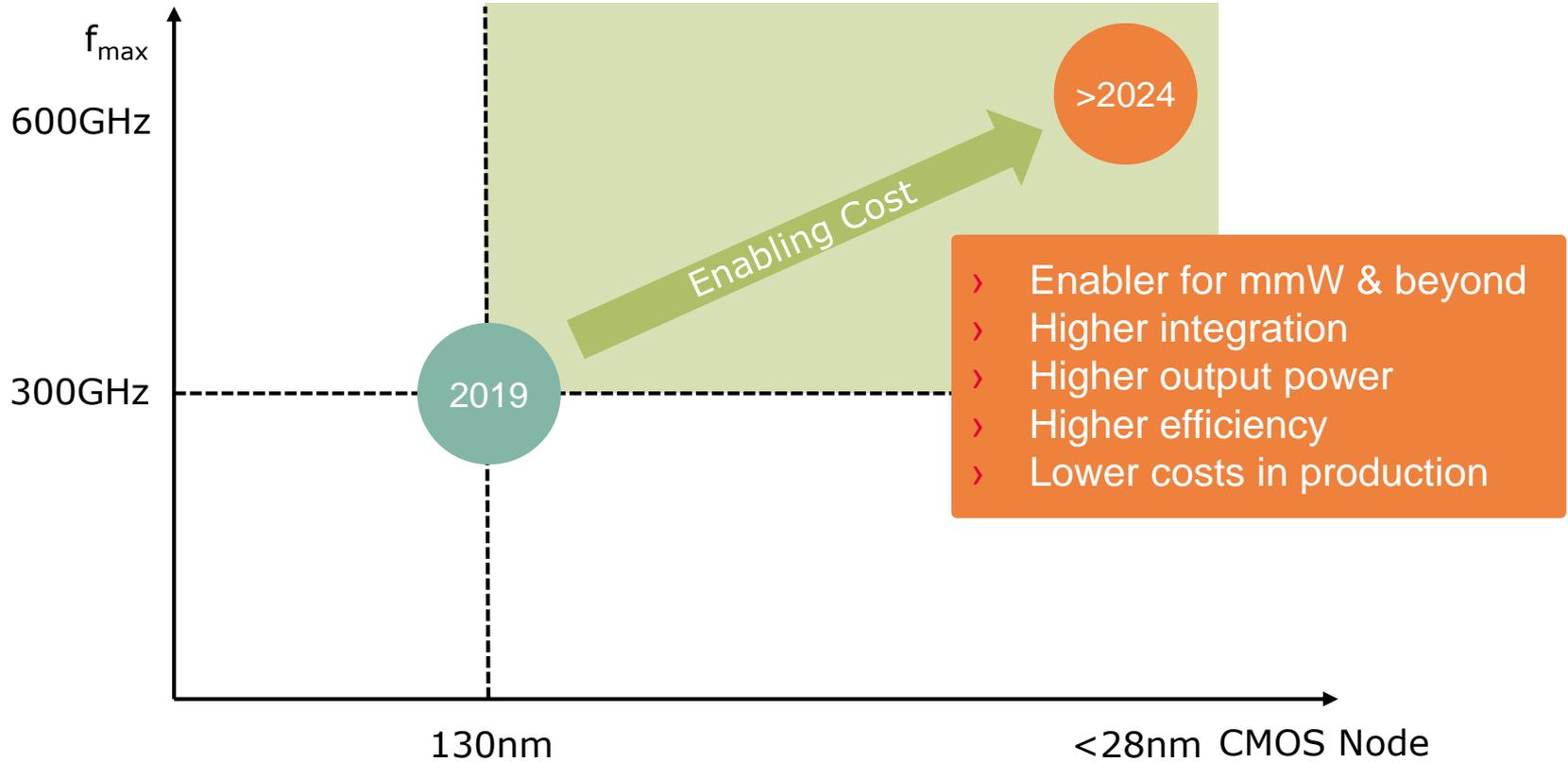
Millimeter wave has to “carry” the data



Available Spectrum



Future Technology

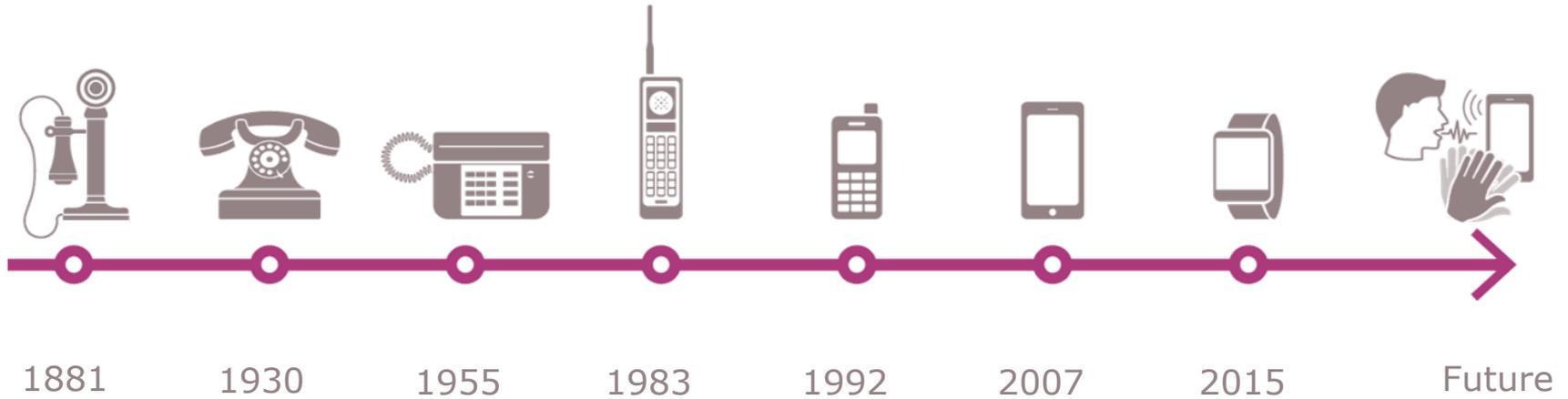


Summary

- 1 We need to move forward in order drive future communications
- 2 Increasing investments are needed for new technologies
- 3 Close cooperation with academic institutes are curcial

Future of communications

Phone Evolution





Part of your life. Part of tomorrow.

