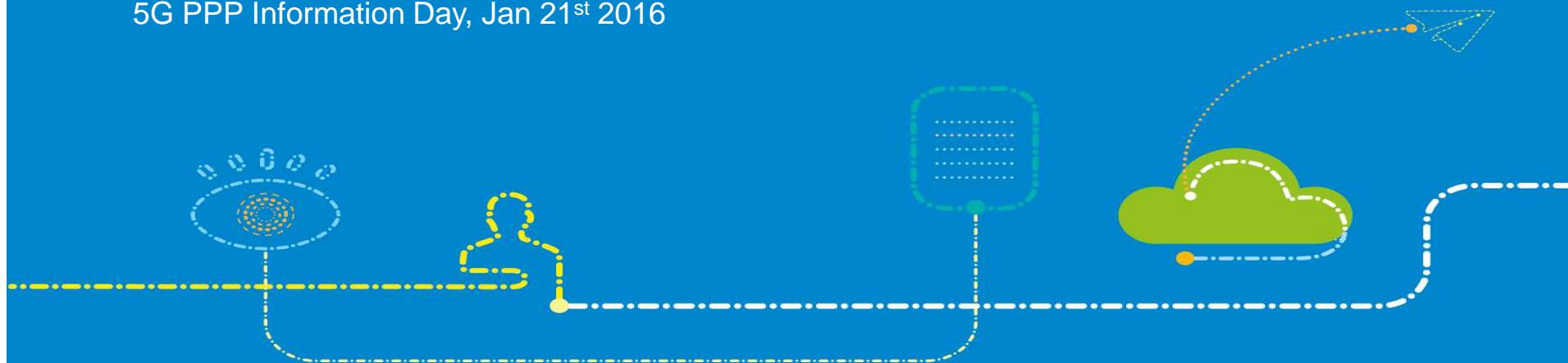


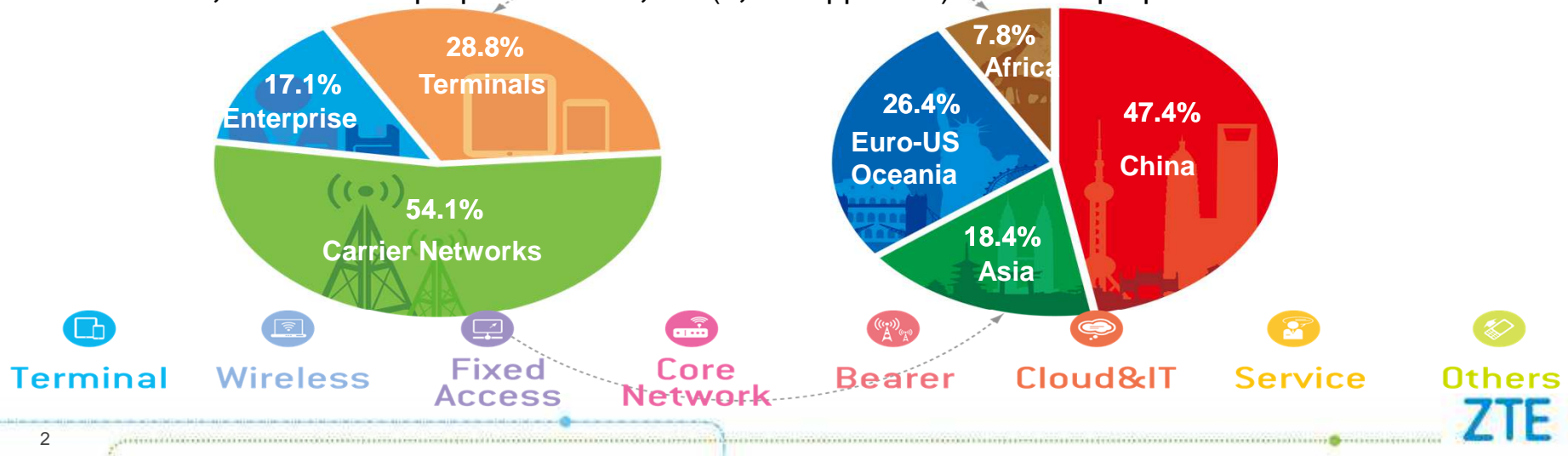
# ZTE Proposals for 5G PPP Phase 2

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# ZTE is Mobile ICT Vendor for Operators, Enterprises & Consumers

- Founded in **1985**. Publicly traded in Shenzhen and Hong Kong stock markets.
- ~ **70,000** staff , **18** R&D Centers incl. **Stockholm, Madrid & Paris**
- ~11 billion Euro in revenue (2014).
- **Global LTE vendor (>30% 4G market share in China)**
- **Increasing R&D Intensity (~13% 2015 Source: EU R&D Scoreboard )**
  - > **53,000** patent applications and **Top 2/1/1** in WIPO 2013/12/11, >**17,000** granted
  - ~ **28,000** standard proposals and **8,100** (2,650 approved) SAE/LTE proposals



## ZTE Proposals for 5G PPP Phase 2 Projects 1(2):

- **TA2:** 5G Unified Air Interface (UAI) for New RAT with Massive MIMO for eMBB:
  - Expand scope of Massive MIMO use cases:
    - capacity enhancement for the high-speed scenario,
    - flexible fronthaul/backhaul support
  - Design of pilots and CSI feedback
  - Reciprocity – standardized TRX calibration process
- **TA3:** 5G Unified Air Interface (UAI) for New RAT for UDN in Higher Bands:
  - Joint AI design for access/fronthaul/backhaul
  - Efficient protocol design for unplanned deployments with self-backhauling
  - Dynamic and semi-static self-backhauling
  - Mobility and interference control by cell virtualization
  - UE-centric initial access

## ZTE Proposals for 5G PPP Phase 2 Projects 2(2):

- **TA7: 5G Unified Air Interface (UAI) for New RAT for Massive IoT:**
  - UAI design and configurations for efficient support of Massive IoT
  - Flexible waveforms for sparse fragmented spectrum
  - New mechanisms for multiple access, energy efficiency, coverage enhancement, use of unlicensed spectrum
- Verification tests in 2018 & Demo in MWC 2019

# Thanks



Tomorrow never waits

