GLOBAL SMART PRODUCTS INTERNET SERVICES GROUP

75,000 employees all over the world
2014 MARKET POSITIONING

Data Source: Display Search, Gartner Group, ChinaOL
Date: 2014 Q4

- **HANDSET**: Global No. 6, No. 4 in 2014 Q4
- **PANEL**: Global No. 5, 32"Panel Ranked No.1 Globally
- **TV**: Global No. 4
- **AIR CONDITIONING**: China No. 5
- **WASHING MACHINE**: China No. 6
- **REFRIGERATOR**: China No. 10
Product Range

- Pop
- Link
- ido3
- Watch
A WORLD LEADING SMART DEVICES & MOBILE INTERNET SERVICES PROVIDER

- North America #4
- Spanish Latam #2
- Middle East & Africa #7
- Europe #4
- Russia #1

* Data Source: IDC + Company Data. 2015 Q2
TCL & 5G

- TCL: a MNOs’ partner with a strong growth and a differentiated position
  - Pure consumer electronics player
  - No closed garden strategy / supporting MNOs’ services

- A strategic move into research and standardization started a year ago
  - New market expectations as we reach the list of Top5 manufacturers
  - Higher-end products require advanced features and short time to market

  => Investment on 5G research started in 2015 including partners in an “Open 5G Lab”
     - Advance: 5G research and standardization with several partners
     - Contribute: develop a 5G demonstrator
     - Redistribute: support OpenAirInterface 5G development
5G UE Demonstrator Objectives

- **Vision & Target:**
  - Develop & maintain a 5G UE Reference Platform
  - Capable to execute 5G Applications and processes
  - Support different UE profiles (High-end eMBB vs MTC)

- **Objectives:**
  - To evaluate 5G solutions from the UE perspective and contribute to standardization effort
  - Mean for collaborations/testbed
  - To support demonstrations for 5G dissemination
5G UE Demonstrator concepts

- UE Demonstrator platform properties
  - Modular architecture / Scalable - sliced concept
  - Industry standards compliant for off-the-shelf μTCA components
  - UE stacks integration for real-time processing: from 100% SDR to FPGA/SoC acceleration
  - Integrated & Transportable for field trials (12V batteries powered)
5G UE Demonstrator planning

- **1st 5G demonstrator 12/15 (MMTC, ULLC)**
- **High performance demonstrator Q3/16 (eMBB)**
- **Requirements**
- **Development and testing**
- **Std finalization**
- **First products**