AWARDS 2014 PRISMA Telecom Testing at a glance

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- Privately held company
- Headquarters in Milan, Italy
 - Global company with subsidiaries in France, China, Sweden, Finland, US and local Partners worldwide
- R&D and Manufacturing in Milan
- 130+ collaborators 90% graduate (≈+10% annual growth rate since 2004)
- 35 M€ group global turnover in 2015

PRISMA Telecom Testing is a estina solutions company, offering global outstanding solutions and expertise in the Mobile & Radio **Technologies** Testing, supporting all the major **Service Providers and Network** Vendors worldwide



engineering

HOLDING

HQ

Milan

Italy



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Solutions

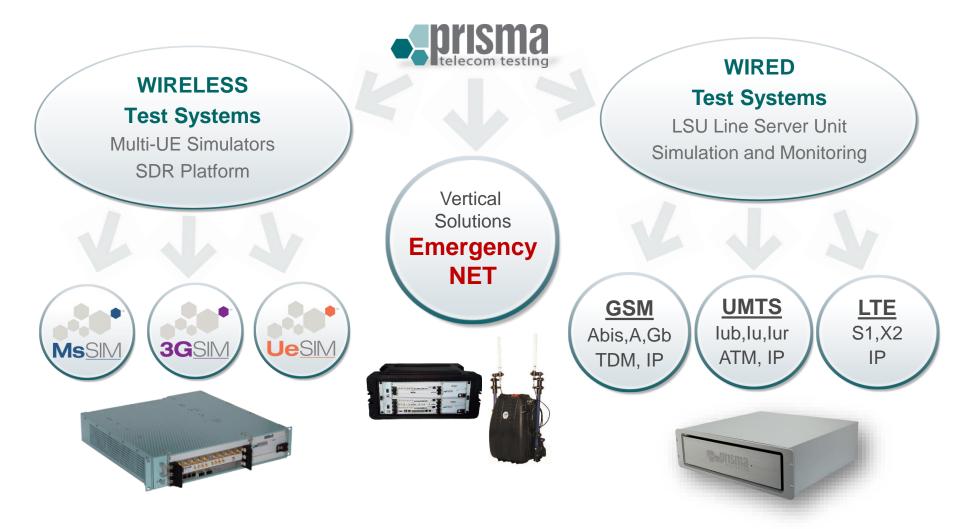
- Testing solutions adopted globally in many test labs of the largest Mobile Infrastructure Vendors and Service Providers – more than 30% of 4G LTE networks are developed and tested using PRISMA technologies
- Simulation, test automation and monitoring solutions available for wireless radio and wired interfaces
- Dense-network testing, load tests, QoS analysis, latency verification, MOS score evaluation on large number of simultaneous calls
- Simple but Effective User Interface enable users to reduce testing time and complexity
- Alliances with major technological players to develop new systems based on upcoming standards (5G, MTC, IoT, NB-IoT)

Expertise

- Complex HW design, including RF, DSP, FPGA
- 4th iteration of a, multi technology SDR platform designed for high performances
- FW e BSP software
- Operating system for highly responsive/real time applications
- Layer 1/baseband development skill for GSM/WCDMA and LTE to implement a complex multi terminal UE for testing purposes
- Development of MAC, RLC, PDCP protocols with highest performance targets
- RRC & NAS protocols development for multi terminal simulation
- Customization of Wireshark for new telecom protocols









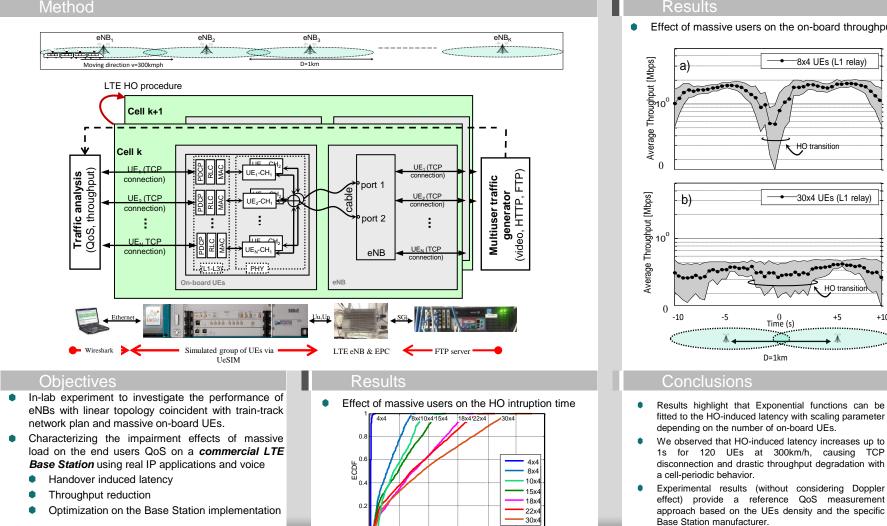


POLITECNICO

DI MILANO

Load-Stress Test of Massive Handovers for LTE System in High Speed Trains

Ali Parichehreh, Umberto Spagnolini, Paolo Marini, Alberto Fontana, Paolo Timelli A joint work between Prisma Telecom Testing and Politecnico di Milano, Milano, Italy.



200

400

t= RRC

600

Confidential - Version 1.6

800

-RRC_{config} [ms]

1000

1200

Results

Effect of massive users on the on-board throughput

-8x4 UEs (L1 relay)

-30x4 UEs (L1 relav)

HO transitio

+10

+5

