YOUR QUALITY PARTNER FOR SOFTWARE SOLUTIONS

4G LTE Testing

TMA solutions

PDN

PDN-RT

HSS OFCS

eNB

EPC Network
GW-SW
P-SW
CORE -SW

1x/HRPD
Network

Access
Network

UE

NEM System

Non - 3GPP
Access
Network

MME S-GW F-GW PCRF
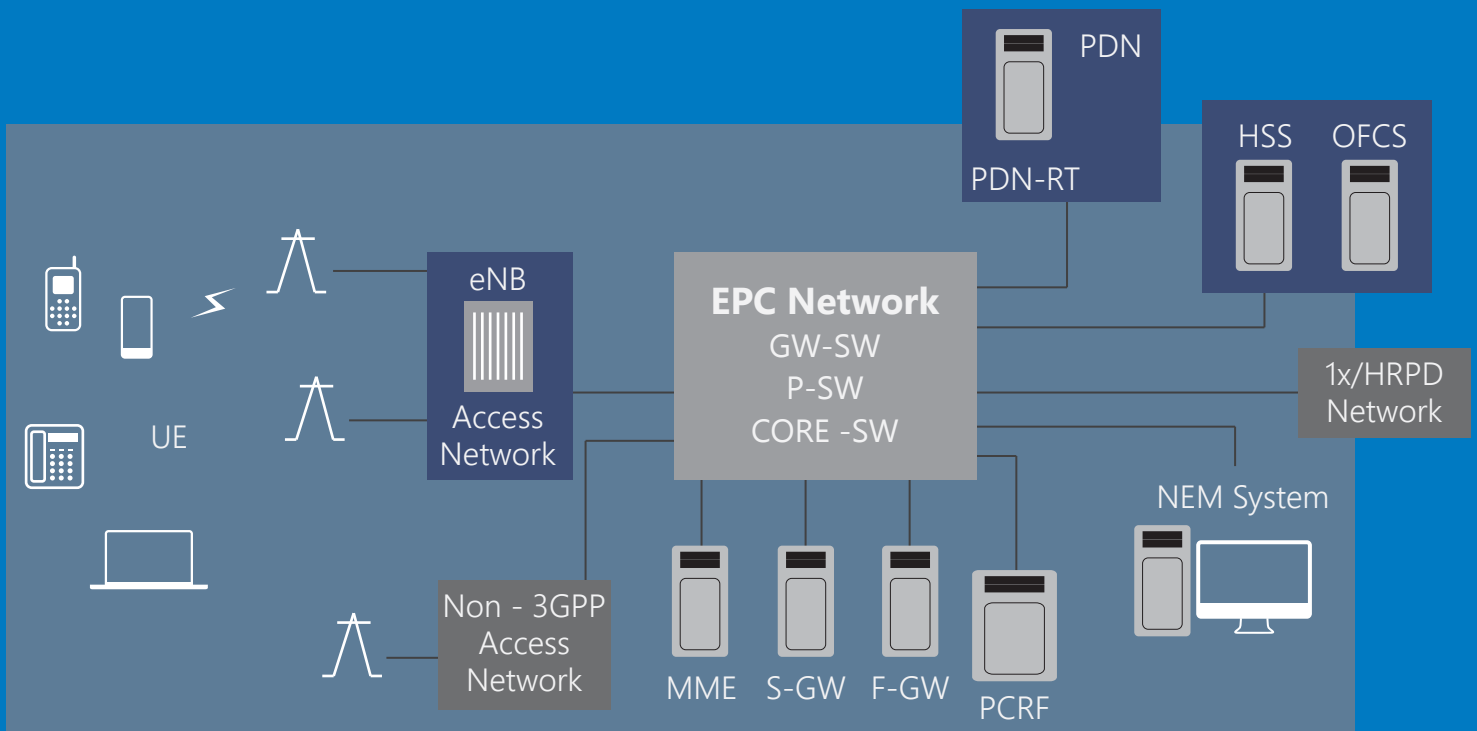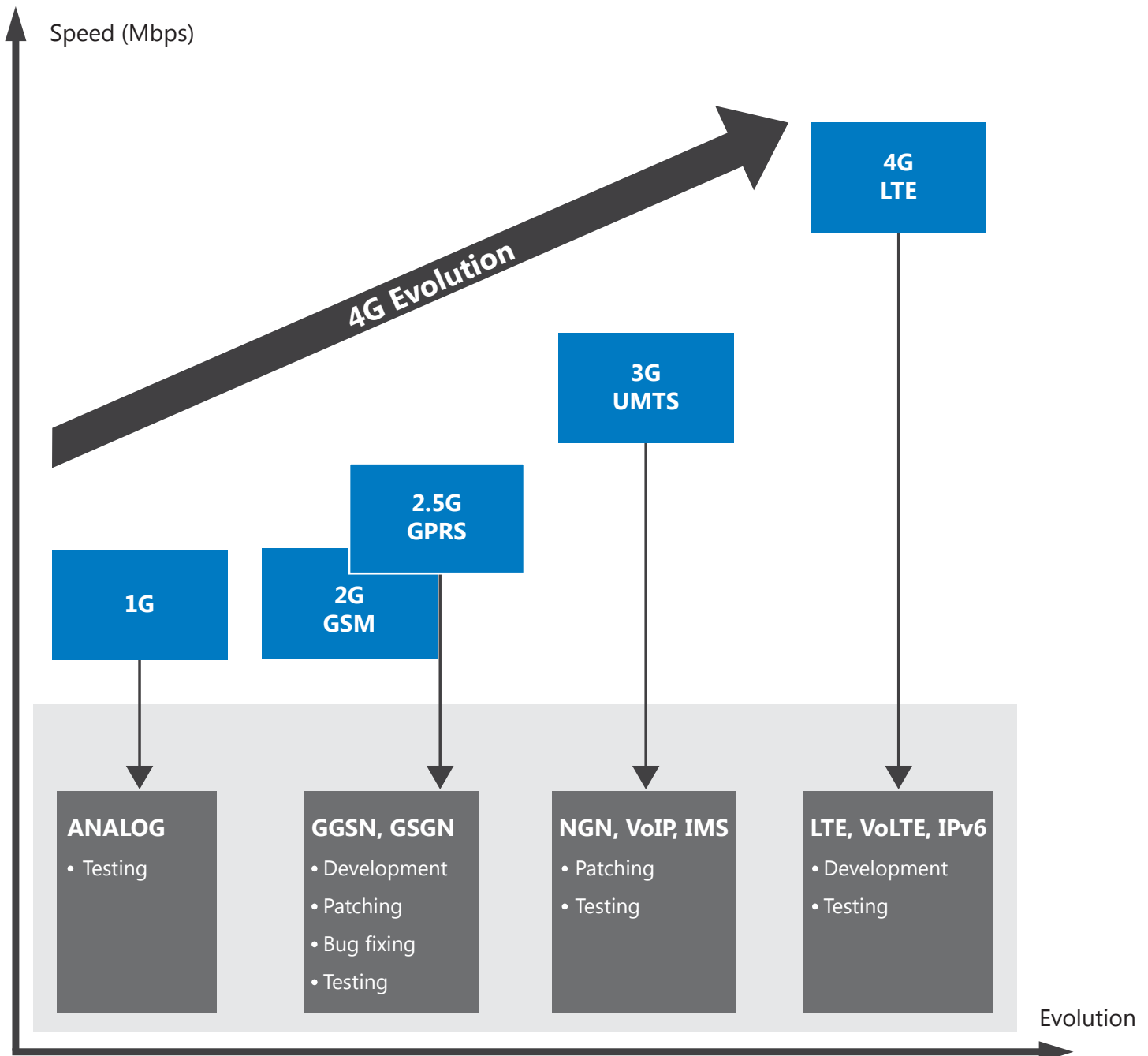
DEVELOPMENT | TESTING | PORTING & MIGRATION

MANAGED SERVICES | PRODUCTION SUPPORT | VISUAL DESIGN

1,700+ ENGINEERS | CLIENTS FROM 25+ COUNTRIES | CMMI-LEVEL 5 | ISO 27001

4G LTE Testing Experience

- ✓ **11+** years of involvement in 2G, 3G & 4G LTE

- ✓ 4G LTE **product verification & automation test**

- ✓ **Large & complex** projects

- ✓ Clients include **global companies** such as Hitachi, Nortel, ShoreTel

TMA's Involvement Areas

Speed (Mbps)

4G Evolution

4G LTE

3G UMTS

2.5G GPRS

1G

2G GSM

ANALOG
- Testing

GGSN, GSGN
- Development
- Patching
- Bug fixing
- Testing

NGN, VoIP, IMS
- Patching
- Testing

LTE, VoLTE, IPv6
- Development
- Testing

Evolution

Technologies

- TCP/IP, IPv6

- 4G LTE, LTE/SAE, LTE Advanced, EPC

- Voice over LTE (VoLTE), Circuit switched fallback (CSFB)

- 3GPP Release 8 or later

- EDGE/GPRS, GSM/UMTS standards and 3G/HSPA+/HSUPA technology

- E-UTRAN

- Diameter, Radius, GTP and GTPv2, ICMP and ICMPv6, DHCP and DHCPv6

Testing Services

Product Verification

- Test lab building

- Test estimation

- Test planning

- Test cases development

- Test cases execution

- Reporting

- Product test for both regression and new feature

Automation Test

- Improve automated test scenarios for regression

- Enhance test scenarios

- Develop automated test scenarios for new feature

- Automation test running reporting

A LEADING VIETNAM SOFTWARE OUTSOURCING COMPANY