

## PROTEI

Impossible Just Takes Longer To Design

Company profile and portfolio overview

#### PROTEI Today

- International telecommunication system's vendor
- 20 years of experience in the market
- 400 installations in 40 countries
- Our platforms serves more than 250 mln subscribers
- Supplies solutions for 40 MNO/MVNO
- Projects in Eastern Europe, Middle East, Latin America and Africa

#### From small beginnings...

- Telecom startup from 1997
- Persistent R&D strategy
- Built on principles of engineering best practice



#### PROTEI Introduction

- PROTEI is an international telecommunication systems vendor operating Eastern Europe, Central Asia, Latin America, the Middle East & North Africa, having extensive know-how and a proven track record of 20 years in the telecommunication market.
- Under PROTEI brand we present reliable, cost effective, carrier-class solutions using the latest convergent technologies implemented in our products both the most innovative services
- PROTEI product line covers all needs of mobile operators: core solutions (like HLR/HSS), roaming management, IN, VAS, messaging and so on.
- Our products are highly customizable and can be altered according to any requirements.
- PROTEI service platforms will help Operators to keep subscribers' loyalty, increase revenues
  and reinforce a position on a highly competitive market.

## Our Geography

# PROTEI serves more than 400 renowned customers in 40 countries to cater 250 million subscribers worldwide

United Arab Emirates, Equatorial Guinea, Uganda, Kenya, Niger, Cuba, Mexico, Venezuela, Mauritania, Tunisia, Sierra-Leone, Macedonia, Senegal, Gambia, Cameroon, Jordan, Yemen, Bahrain, Sudan, Iraq, Palestine, Qatar, Belarus, Moldova, Tajikistan, Uzbekistan, Kazakhstan, Kyrgyzstan, Abkhazia, Estonia, Russia, Namibia, Nepal

#### Part of Our Valued Customers











































































### Products for Mobile Segment

Messaging solutions

SMSC

USSDC

Cell Broadcast

MMSC

SMPP-proxy

Bulk SMS / MMS platform

SMS Firewall

**IN & VAS** 

SCP

MNP / SRF

MVPN

MCN/Notify Me

Call Back

Call Collect

Voice Video Mail

RBT and Video RBT

Televoting

LBS / Location Capturing

Sponsored Call

**Roaming Solutions** 

SMS Welcome

Roaming Assistant

Local Number for Visitors

GLR

Steering of Roaming

Visitor Retainer

Dual-IMSI Roaming Platform

SIM-box detector

Virtual Roaming Tester

Core

HLR/HSS

STP/DRA

GMSC

IMS

SS7 Firewall

Protocol converters

Customer Care

IVR

Call center

Voucher Management System Packet Core & Data Traffic Management

GGSN/PGW

SGW/MME

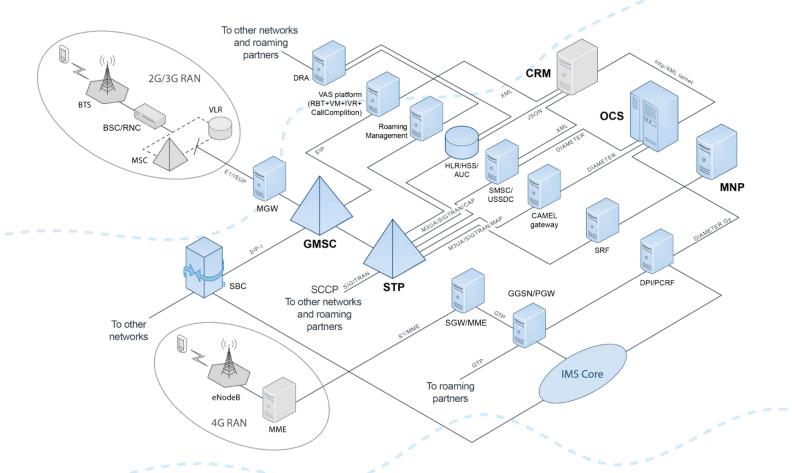
DPI

**PCRF** 

WiFi Calling / WiFi Offload

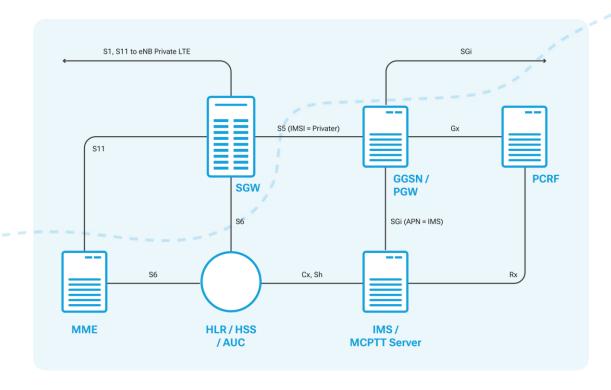
3GPP AAA

#### PROTEI Components for Network Core



- Easy integration with 3G/4G networks
- 3GPP compliance
- Field-proven carrier-class solutions
- CORE element in the carrier network
- Wide functionality and range of services
- Fast and easy deployment
- Compatibility with equipment of leading telecom vendors
- Wide range of supported interfaces

#### Private LTE/5G MCPTT Solutions



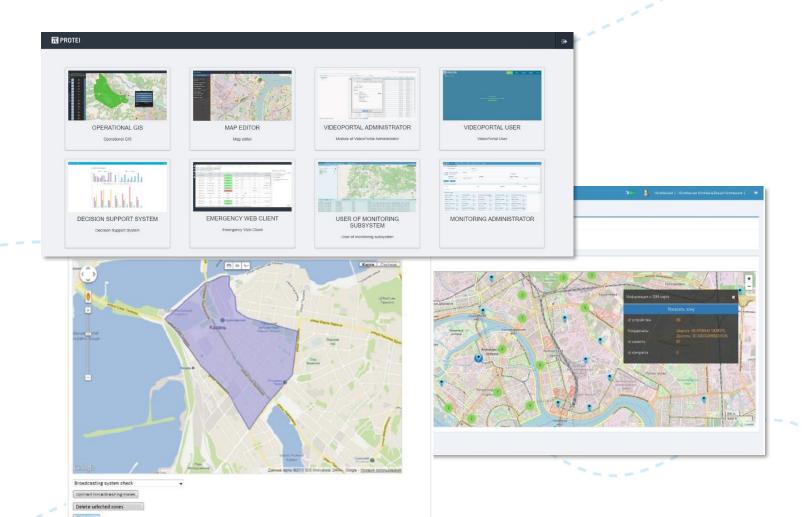


- Turnkey Private LTE/5G, IoT-MVNO solutions
- Effective solutions for telecom operators, enterprises and emergency services
- 5G NSA support

- High security level
- Easy adaptation to specific customers' requirements

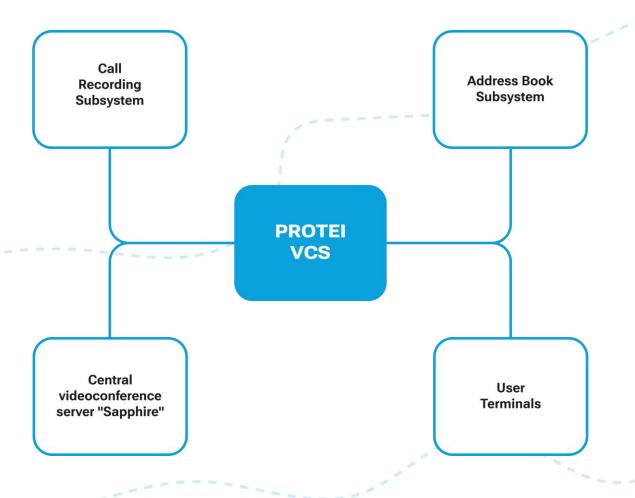
- IOT for industry, monitoring and objects
- MCPTT modern professional radio communication

#### Smart / Safe City Solutions



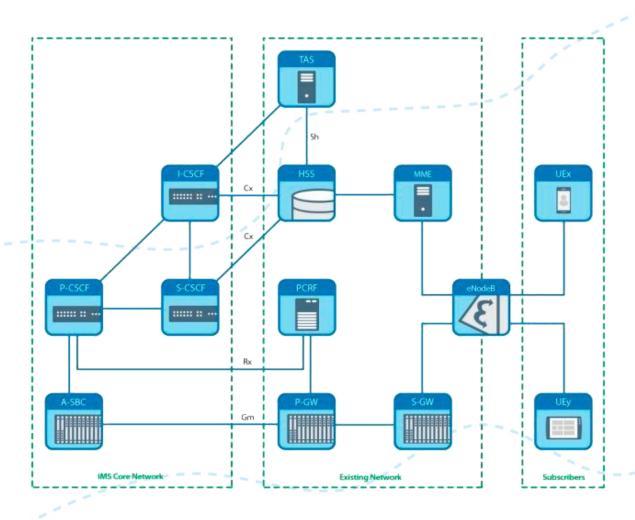
- eCall platform
- Call Centers and Ticketing system for 112 / 911 command and control centers
- M2M / IOT platform
- Public Warning Solutions
- CCTV solutions and videoanalytics

## Videoconferencing Solutions (VCS)



- Fully functional VCS solution completely designed and developed by PROTEI including VCS terminals
- High quality video processing at the hardware level (up to 64 FULL HD streams)
- Possibility to manage independent media streams for each conference participant
- Interoperability with wide range of terminal devices and 3rd party VCS-systems via SIP
- A user-friendly interface
- Integration with cyber security devices

### NGN/IMS Equipment



- Carrier-class field-proven solutions
- Reliable hardware and software platform
- More than 1000 installations all over the world
- Easy integration and adaptation to customers' needs
- Virtual environment or Operator's hardware
- Horizontal scaling
- High reliability without single "failure point"
- Full remote access to the system components

#### Why Deal with PROTEI?

- 20 Years of expertise in the area
- Several commercially operated Full MVNOs and tens of DPI deployments in different countries
- Over 40 systems and solutions for mobile operators of GSM / UMTS and LTE standards, including all key elements of the network core
- Successfully implemented projects in 40 countries
- Compatibility with the core equipment of leading telecom vendors
- An elite team of telecom professionals



