

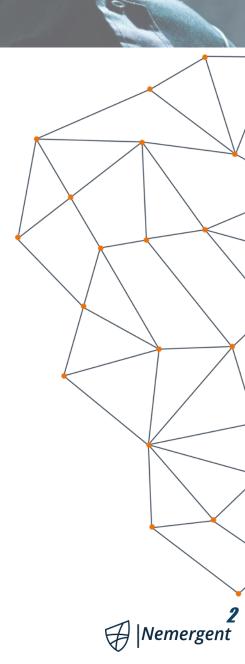
Nemergent Solutions SL 3GPP MCPTT experts.



Madrid, 28th November 2017

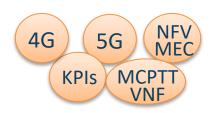
Agenda

- Past / Present
 - Who we are
 - What we do
 - Some references
- Future
 - What we want to be
 - What we want to do
- Small scale demo



Who we are.

- Start-up from University of the Basque Country (UPV/EHU)
 - >5 years experience in PS LTE
- Quick facts
 - Located in Bilbao, Basque Country, Spain
 - 8 people involved
 - Collaboration with UPV/EHU R&D unit
- Focus on 3GPP Mission Critical solutions
 - Mission Critical PTT (MCPTT) and evolutions
- 5G ready NFV-based MCPTT

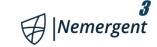








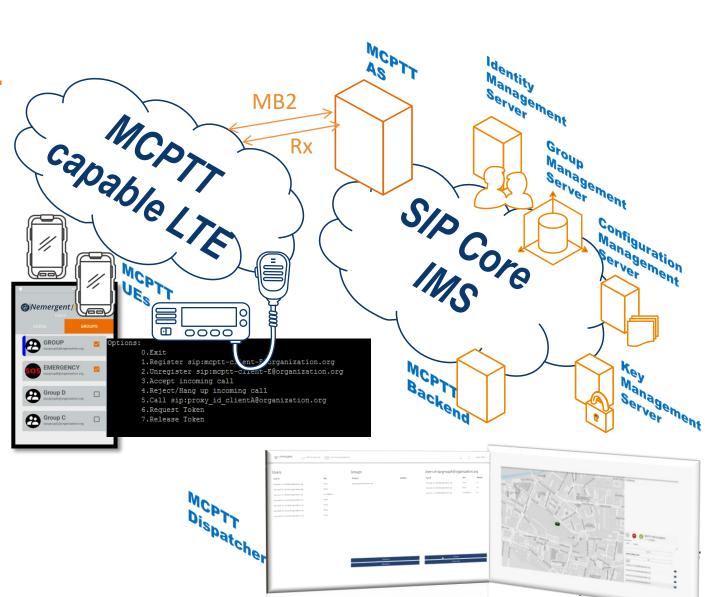




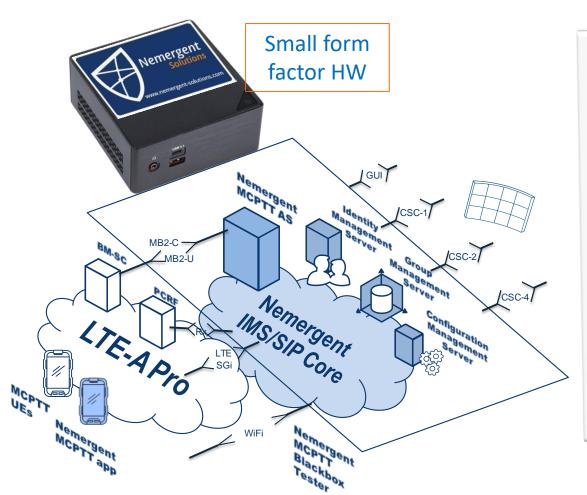
What we do.

Work on MCPTT needs.

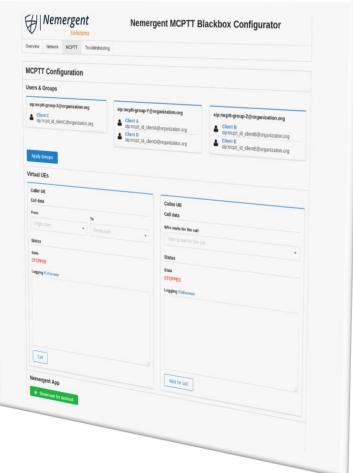
- Application-level SW.
- Integration with SIP/IMS cores.
- Integration with LTE-A Pro networks.
- Integration withPS devices .
- Provisioning
- Demos / pilots.
- Public / private deployments.



- Your experimentation partner.
- Your MCPTT provider (flexible partnerships in RFIs / RFPs).
- SW licensing (different components).
- Nemergent MCPTT Blackbox Tester (3rd party MCPTT developments).



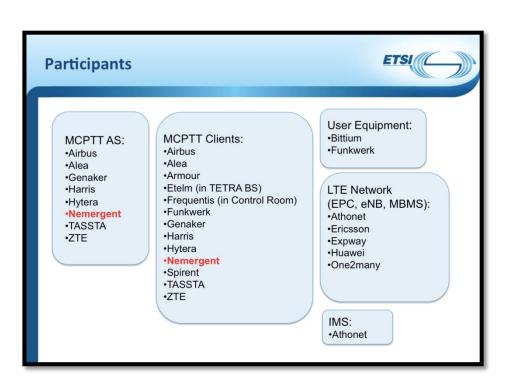
Tailored GUI





References.

1st ETSI MCPTT Plugtest (June 2017)





2nd ETSI MCPTT Plugtest (June 2018)

(...)





Public Safety Innovation Accelerator Program 2017



End to End Mission Critical Push to Talk



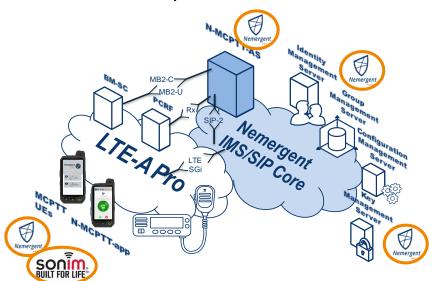




Develop / evolve MCPTT server components. Integrate MCPTT client library with SONIM → User Experience.

Field tests with PSOs

→ User / Service Experience.



Mission Critical Open Platform (MCOP)



Project target:

- Future open source Android MCPTT client.
 Nemergent role:
- Deploy / maintain / upgrade MCPTT servers.



MCPTT integration over public / private LTE.





Trial in Austria

- Public mobile network.
- Private deployable system.

Multi-technology PTT system.





APCO 2017.

- Commercial PoC solutions.
- Nemergent 3GPP MCPTT.

World first e2e eMBMS-capable MCPTT Integration.





3GPP R13 MCPTT.

- MCPTT application level.
- LTE-A Pro MCPTT QCIs.
- LTE-A Pro MCPTT eMBMS.

Proof of Concepts: Public Safety, Public Transport, energy...











Company value proposition.

MCPTT expertise.

- Mature MCPTT ecosystem.
- Real standard mission-critical grade.
- Experience in heterogeneous deployments.
- Totally focused on 3GPP specs.

Open / collaborative approach.

- Partnerships with LTE vendors,
 UE vendors, system integrators...
- Flexible technology provider.
- · Agile adaptations / tailoring.
- Open to new opportunities / vertical sectors.



Interoperability.
Open ecosystem.
QoS, multicasting...

Additional features. Niche markets. Private management.



Small scale demo.

