

- Spanish technology SME headquartered in Madrid
- MANTICA offers featured solutions and consulting services to help **TELECOM OPERATORS** improve the **performance**, **reliability**, **security** and **quality of experience** of their service delivery
- Customer references:
  - Extensive experience in R+D+i projects on a national and international level



Telefonica



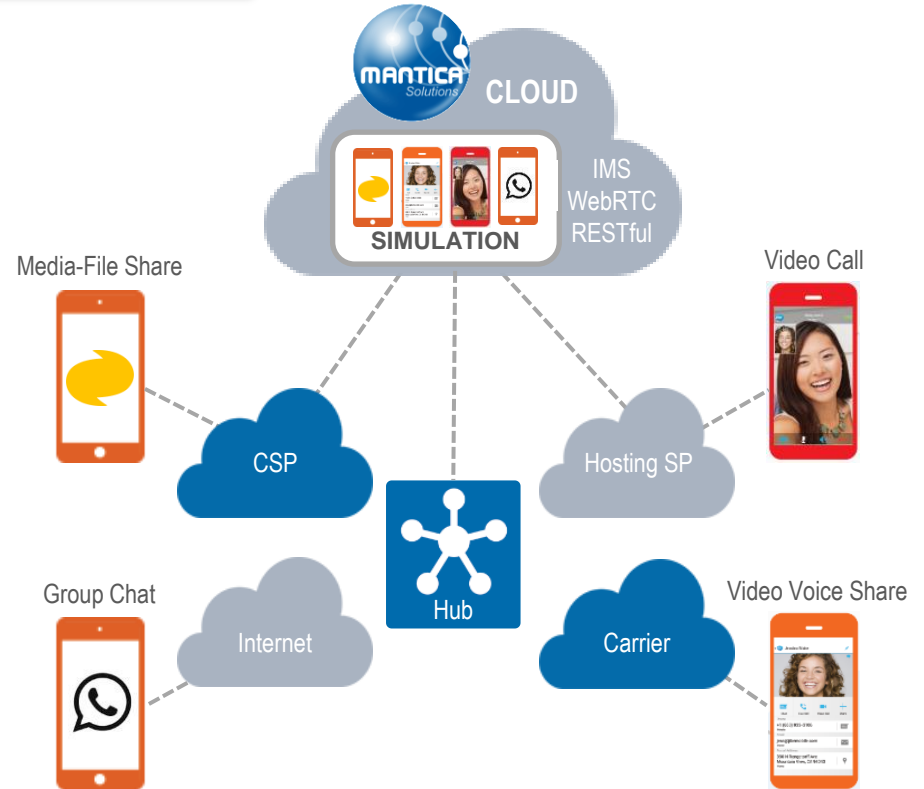
TELCODEV



VulneraNET



- First solution in the market for **E2E active monitoring of availability, QoS and QoE of Rich Communications (IMS, RCS, VoLTE)**



## 5G-Infrastructure PPP

### P11: Cognitive Network Management

### P12: Service Level Management & Metrics for QoS & QoE

- Leveraging our experience in QoS and Customer Experience Management for 4G & OTT
- Lines of interest:
  - **Cognitive Functions for provisioning, optimization and troubleshooting**
    - **Subscriber Provisioning Assurance**: check the whole business process and perform a cross elements analysis in order to prevent issues. 2 step: 1) Discovering issues actively, 2) Fixing issues actively
    - **Intelligent/Enriched Diagnosis and Troubleshooting**: combination of e2e active testing&monitoring (agents) and passive monitoring (probes)
  - **QoE-driven adaptive Service Level Management**
    - **Effective QoE-aware QoS model for 5G** environments for the end to end optimization of user-perceived service quality