



eltic-Plus⁺

Smart Connected World



Celtic-Plus Proposers Day
29 June 2015, Orange, Issy les Moulineaux

Secure Service-Oriented Scalable Smart IoT (SloT)

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Teaser



contactless



e-authentication



nomadism



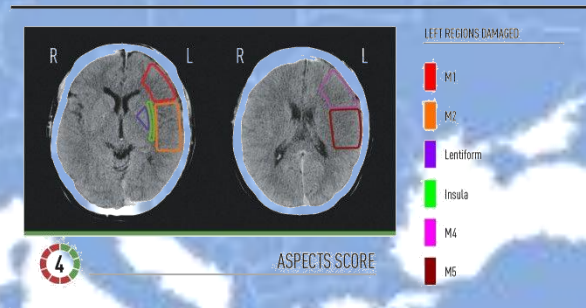
e-signature



e-invoice



e-hospital

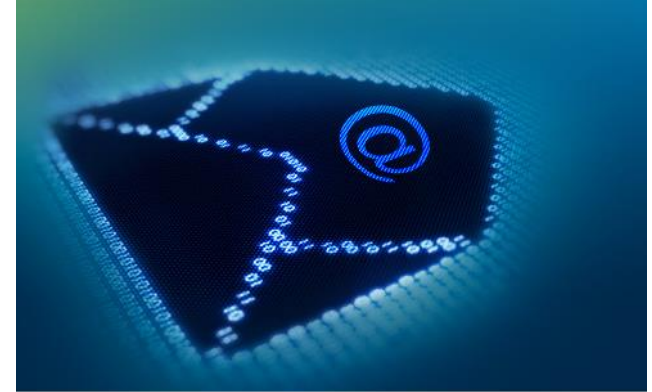


e-diagnosis

Electronic Financial Applications & E-Documents

In Turkey:

- First e-Invoice private Integrator
- First platform independent e-Ledger solution provider
- First and only e-Archive Invoice service provider



Professional Software Provider for Companies

- More than 15 countries in EMEA
- One of the fastest growing technology company in Turkey^[1]
- Many R&D projects for business solutions

[1] Deloitte Fast50 Program

Cyber-Defence and Professional Services

Security audits, attack detection, incident response, malware analysis, investigation...



Trusted Infrastructure

Firewalls, network filtering, encryption, strong authentication, ...

Organization Profile



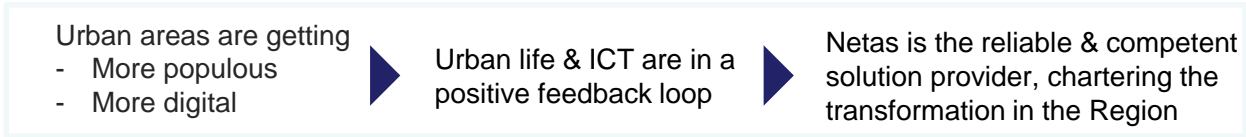
ARGELA, a member of Turk Telekom Group, provides telecom operators with turn-key next generation solutions with a strong commitment to developing the most innovative products & services, understanding operators' needs, customizing solutions accordingly and building continuous relationship with its partners and customers.

ARGELA's solutions portfolio includes **Small Cell & Home Gateway, Smart Cities and IoT Applications, Targeted Advertising Platform, IN & Applications, Network Performance Monitor, Fixed-Mobile Convergence (FMC), Software-Defined Networking (SDN) and Network Functions Virtualization (NFV)** solutions. Lately, Turkey's Undersecretariat for Defense Industries signed a contract with ARGELA and two other partners for the **4G/LTE Communication System Development Project (ULAK)**.

ARGELA is participating 11 EU projects which consist of 7 FP7 and 4 Celtic-Plus projects. ***ARGELA will be participating SloT project with SDN-based network solution which will be used for planned use-case scenarios.***

NETAS | 45YRS

Premium Solution Provider in the Digital Urban Life




Government & Public Entities


Governing people in the cities

- Transformation of courts & penitentiaries
- Disaster & Emergency Mgmt Ops. Centers, ..

4G LTE



New infrastructure
Own 4G LTE products & solutions



Education

Educating crowds for digital age

- Technology partner of countrywide infrastructure transformation

Big Data



Managing the volume
Data Centers, SDN & NFV partner for large projects

BANK



Banks

'Bank of the Future'

- Mobile Banking
- ATMs & Virtual Teller Machines

IoT



Connecting all devices
Own IoT products & solutions for the new network



Retail stores

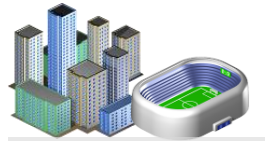
Consolidating online & offline

- Venue Management

Security



New solutions for cyber threats and secure communications
Own security products & solutions



Smart Life Centers, Buildings, etc. Managing crowds in buildings & centers

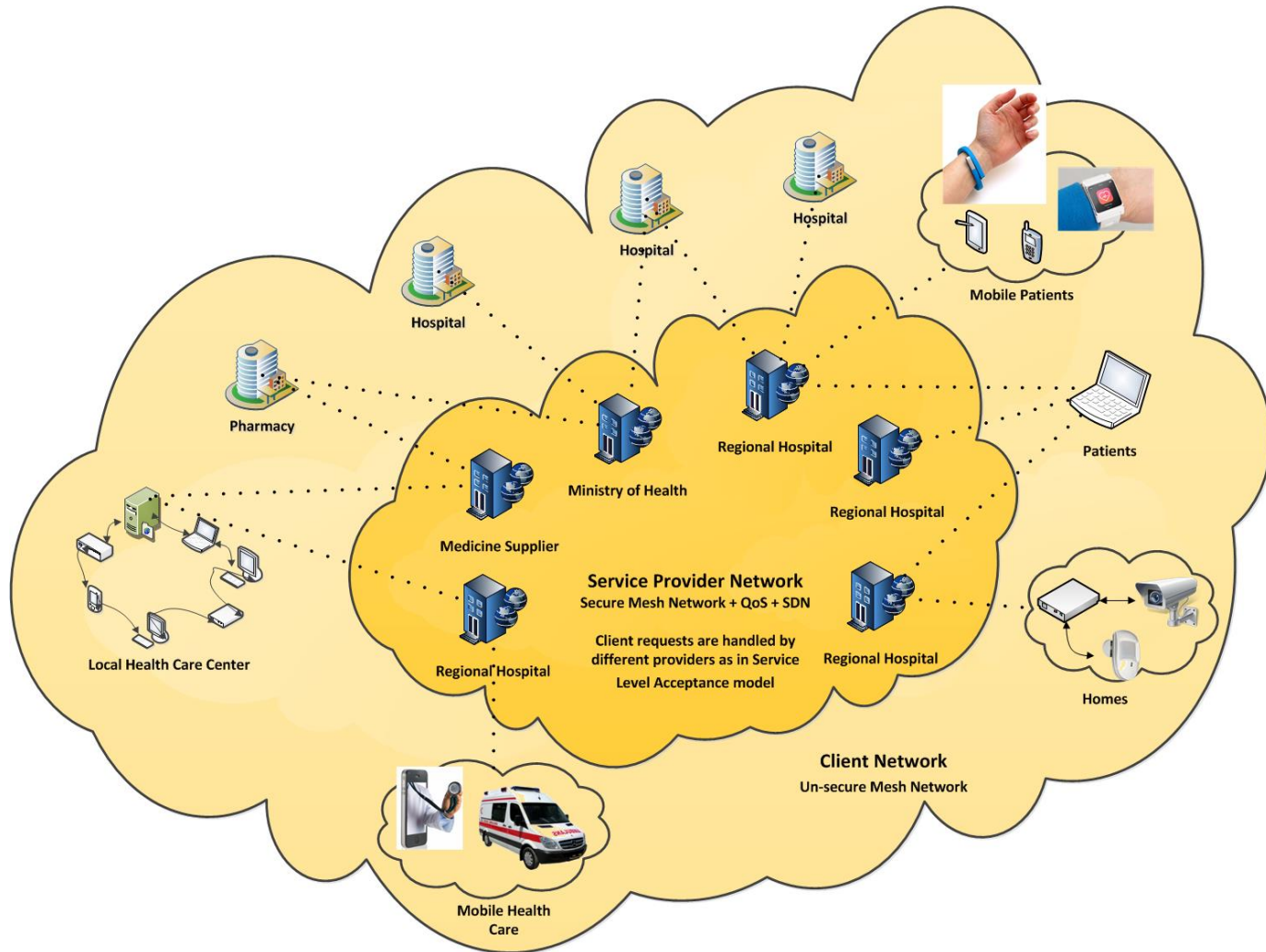
- Solutions from smart homes and offices to large public areas such as stadiums, shopping malls etc.

Proposal Introduction (1)

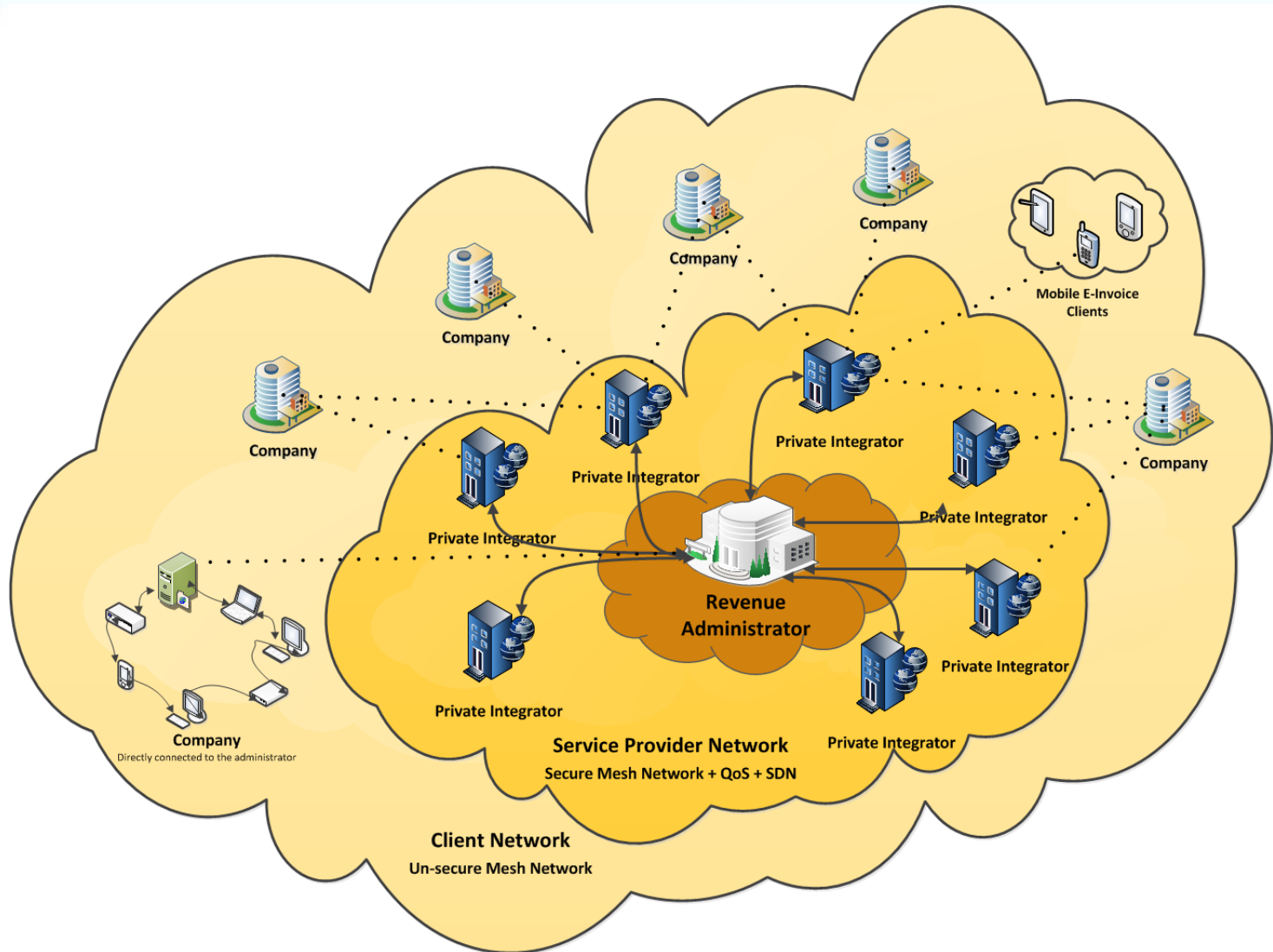
- **Motivation:** Increasing need for secure services that are
 - Web-based, agile, software-defined, QoS enabled
 - Connecting many smart IoT devices
 - Interoperable among EU countries
 - Secure, privacy-aware and auditable
 - Safe, robust and scalable
- **Use Cases:**
 - e-Health: *manage a patient from country A in country B*
 - e-Invoice: *manage invoice from country B to country A*

- **Services**
 - Service discovery and handshakes
 - Service controller design (cross-layer interactions)
 - QoS management
 - Service-oriented networking
- **Interoperability**
 - Manage diverse authentication mechanisms
 - Comply with different regulations regarding transactions & patient data privacy
 - Standardize data formats and ensure compatibility
 - Manage centralized / decentralized network architectures
- **Security**
 - Strong authentication based on smart devices
 - Data privacy, confidentiality, integrity and auditability
 - Resilience to cyber-fraud and data theft
- **Safety**
 - Reliability & autonomy of smart devices
 - Network self-healing & automatic reconfiguration
 - Seamless scalability

Use Case 1: e-Health



Use Case 2: e-Invoice





- Looking for:

- E-Health / E-Invoice service provider
- Telecom operator
- ERP software editor
- Smart communication device manufacturer
- Smart health-monitoring device manufacturer
- Legal & ethics specialist



Contact Info

For more information and for interest to participate please contact:

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