

June 2016







Introducing Argela





GSMF









Provides solutions and network infrastructure components for Telecom Operators, Public Safety and Defense

Specialized in 5G and 5G enabling technologies (SDN&NFV) and generates IPR for these technologies

Already established strong presence in the region with solutions in various telecom operators and expanding globally



tmførum







Associate

Member



ARGELA's SDN&NFV Experience

Smart Connected World



ARGELA
joined
ONF
2012

ARGELA joined **SIGMONA** project
(SDN Concepts in
generalized Mobile NW
Architectures)

TESID

Large Company Innovation & Creativity Award (SDN) 2014

ARGELA'S

1st SDN

Solution
(SENS)

2014



ARGELA publishes SDN patents & papers 2016

2004

2012

2013

2013

2014

2015

2016

2004

ARGELA joined **GENI**

(Global Environment for Network Innovations fostering nw programmability & virtualization) 2012

ARGELA started **yakamOS**, 1st SDN controller project funded by TUBİTAK

TÜBİTAK

ARGELA started the

ProgRAN

project (*Programmable RAN*)

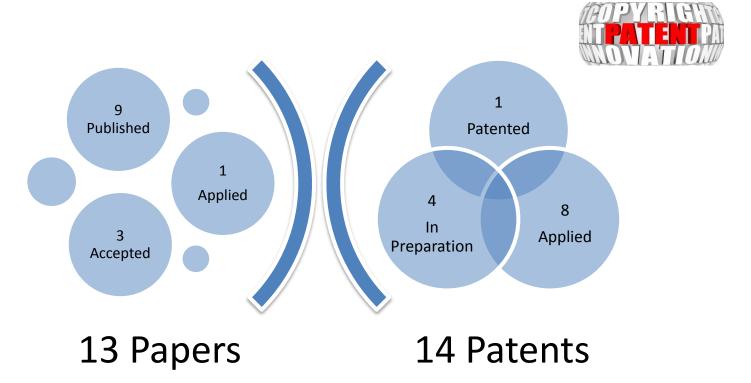
2015

ARGELA started the SSM MILAT project 20 Nov 2015

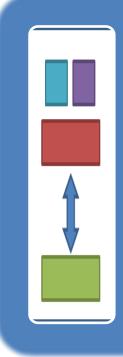




ARGELA's SDN&NFV Experience







SDN&NFV Based Secure

Network Infrastructure





R&D Project (Active)

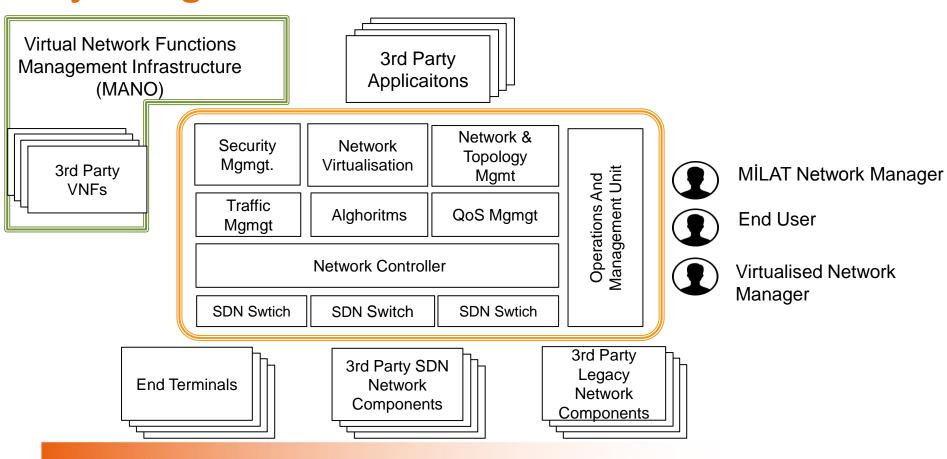
Our work aims:

- to provide an infrastructure for enabling dynamic cybersecurity and cyberdefense mechanisms
- to form a network infrastructure for "Public Safety Network and Applications" like "FirstNet"
- to reduce vendor-lockin solutions for mission critical communication infrastructures
- to provide security-sensitive dynamic configuration abilities attuned to the exigence of military, public defense and commercial entities

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Project Big Picture







Potential Application Domains

Secure communication infrastructures for Public Safety & Defense

Data center infrastructures

Common Network infrastructure for commercial operators

Network infrastructure for critical systems (e.g. gas/oil pipeline, nuclear powerplant)

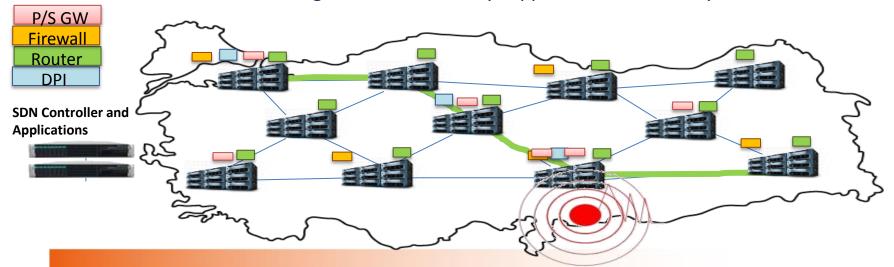


A Sample Scenario



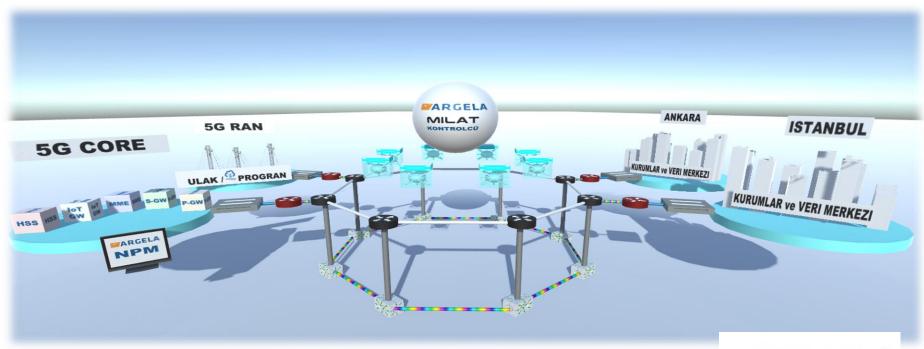
Public Safety & Emergency Network Requirements

- Dynamic resource management in emergency situations (natural disaster, earthquake, etc.)
- Prioritization among users and hierarchy support under necessary conditions



5G Center of Excellence Lab









5G@argela

