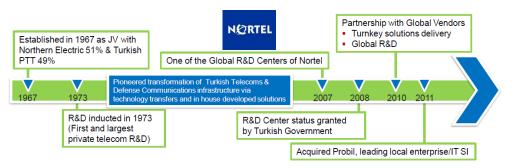


Who We Are?



- 48 years experience, first and largest private telecom R&D in Turkey
- Develops ICT software solutions for more than 200 global operator
- An R&D Center announced by government and supported by Turkish incentive programs

Turkey's software export champion (30 M\$ / yr software export)

2007 Turkey SW Export Champion 2008 Turkey SW Export Champion 2009 Turkey SW Export first runner-up 2010 Turkey SW Export Champion 2015 Turkey SW Export Champion



- 750+ highly qualified R&D engineers
 - Electronic Computer and Telecom Engineers
 - 25% with MSc & PhD
- 2200+ employees

- Strong relations with more than 25 main Turkish Universities
 - 8 collaborative projects with METU, Bosphorus, ITU and Özyeğin
 - Over 20 thesis projects completed at 10 universities with mentoring









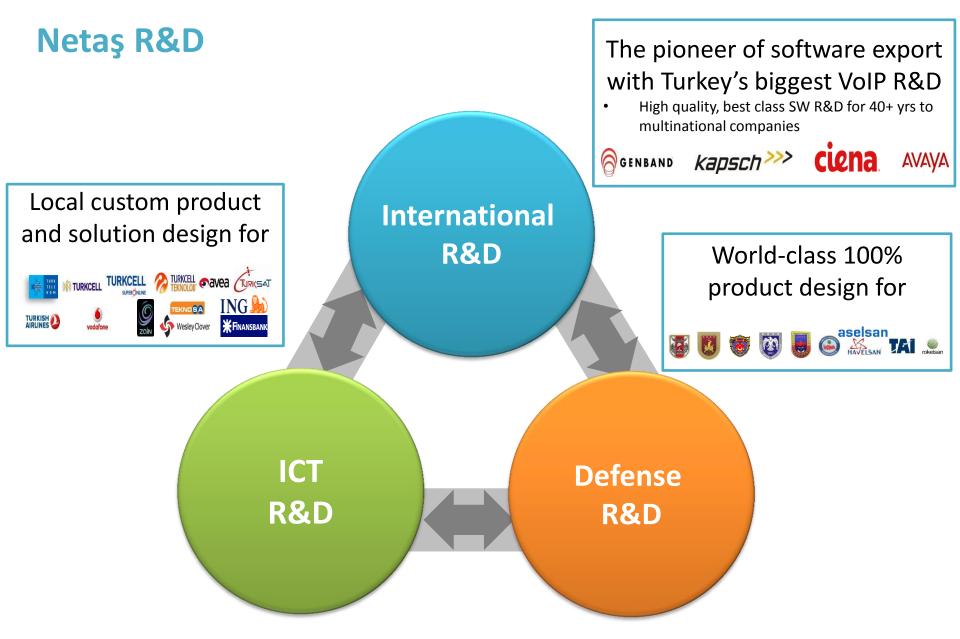


- Scientific Articles
 - 13 in 2013, 3 Journal paper & 10 conference preceedings
 - 17 in 2014, 2 Journal paper & 15 conference preceedings
 - 35 in 2015, 8 Journal paper & 27 conference preceedings



- First runner-up of ICT sector in Turkey's patent classification @2013
- Over 70 yearly patent applications









- **E2E** Project Management
- Multi Site Program Management
- Engineering and Business Management
- for Software Development Cycle
- Timely and Robust Solution Delivery
- Product and Process Improvement



GB Global Patch Supplier
EXPERIUS & CONTINUUM

- Secure Binary Patch Development
- Multi-version, multi platform patching
- Patch Development on 6 platforms with 8 different software languages

Software Patching



- Data and Process Analysis
- BI Reporting Environment
- Master Data Management
- 6 Sigma Approach & Consultancy

NETAS



in

E2E or Modular Solution Verification

Software Development





- System Testing & Test Automation
- Performance Validation & KPI Analysis
- Know How for **E2E** Telecom and ICT Lab
 Planning

Technical
Support &
Solutions



- 7x24,
- Remote and on-site.
- Response time driven,
- Product **Upgrades & Migration**

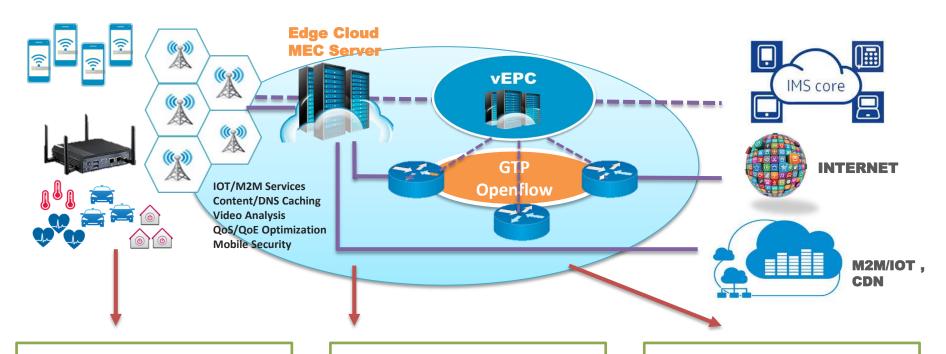
Product Development

SOFTWARE DEVELOPMENT

- Enterprise Solution
 Development
- Mobile App. Development
- WEB App. Development Product Customization
- Legacy Product Migration & Reengineering



Netaş 5G Projects



M2M/IOT Gateway

- Hyperconnectivity beyond distinct systems
- Enables common M2M services
- Value added services across ecosystems

Mobile Edge Computing

- Edge platform for mobile data processing
- QoS and QoE optimization
- Network slicing

Virtualized SDMN EPC

- Virtualized EPC functions
- Decomposed control and user planes
- GTP Open Flow for user plane control

Technology center with E2E 4G solutions laboratory



R&D Experiences



Multimedia and VoIP technologies (with Nortel Networks for 38 years, with GENBAND since 2011)

(PSTN switches, SIP PBX Integration, SDH, IPTV, IMS) for Nortel Networks

(Call Session Controllers: Continiuum (C20, C3), Safari CPC, Multimedia App. Server: Experius) for Genband



Cloud networking



Web and mobile networks applications,

Web RTC: SPiDR for Genband

Soft client as a messaging service for Turkcell



Virtualization for **GENBAND**



Cyber-Security

VoIP security: SIP firewall, Web App. Firewall and Web Vulnerability Detection, End to end Media Security, M2M Security, Malware Detection and Cloud Network Security



4G-LTE technology

Turkey's first 4G-LTE base station (Project size: 10 M€, Consortium project with Aselsan and Argela)



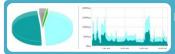
M2M

Automatic Meter Reading Project (Smart grid M2M project)



E-Government, E-Ticket and Big Data, Business Intelligence

Turkish Football Federation E-Ticket Project, XML Gateway & KEK, E-Government Project



IP traffic monitoring

Loupe, Soft Client NETAŞ TIC



GSM/GSM-R core network developments for Kapsch



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THANK YOU