



eltic-Plus⁺

Smart Connected World



Celtic-Plus Proposers Day
21st February 2017, Berlin

Smart Precise Agriculture

Cengiz Gezer, Necip Gözüaçık, Rıza Durucasugil
cgezer@netas.com.tr, gozuacik@netas.com.tr, rizad@netas.com.tr

NETAS



Smart Agriculture System

Benefits:

- Environmental Sustainability
- Precise Usage of Chemicals
- Improved Decision-making
- Enhanced Quality of Crops



Crop
Monitoring

Pesticides Spraying



Fertilizer Spraying



Coverage Holes
Spraying



Pipe Irrigation



Glocal

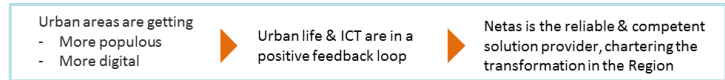
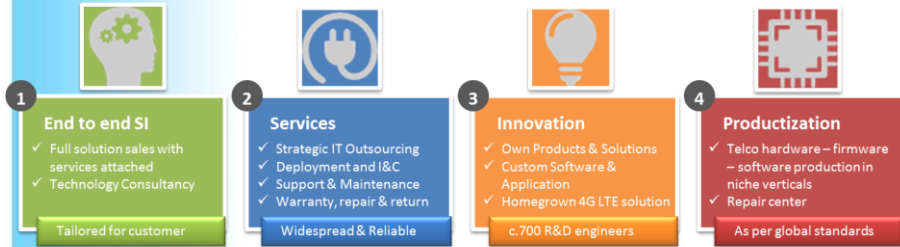
- Established as Nortel JV in 1967
- 49 years-strong presence in Turkey
- Built Turkey's fixed and wireless voice, data and optical infrastructure
- 1,500+ customers including Turkey's 500
- 'Turkey's fastest growing ICT company' as per 2013 Capital magazine Top 500 survey
- Turkey's #1 converged (carrier and enterprise) Systems Integrator also serving the Region

Innovative

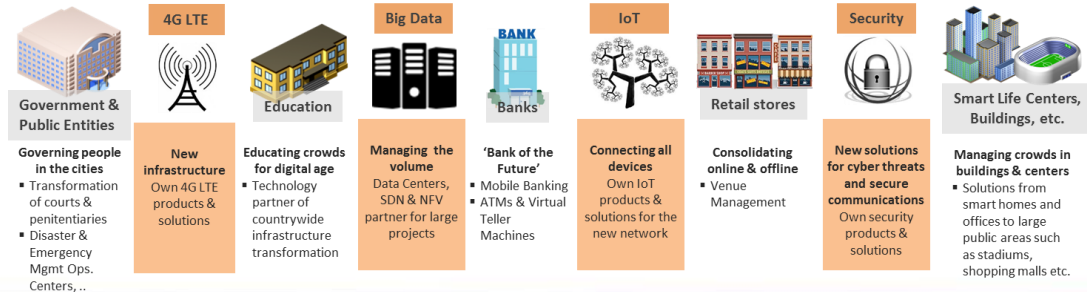
- 43 years of carrier and enterprise; telecoms and IT R&D
- Field proven hardware, software & application development
- Nortel and Genband's R&D Center of Excellence in VoIP and Multimedia applications
- Certified as 'incentivized R&D Center' by Turkish Ministry of Science, Industry & Technology
- Locally developing 4G LTE & Cyber security solutions
- Awarded twice as 'Best R&D Center in Telecoms Business' by Turkish Ministry of Science, Industry & Technology

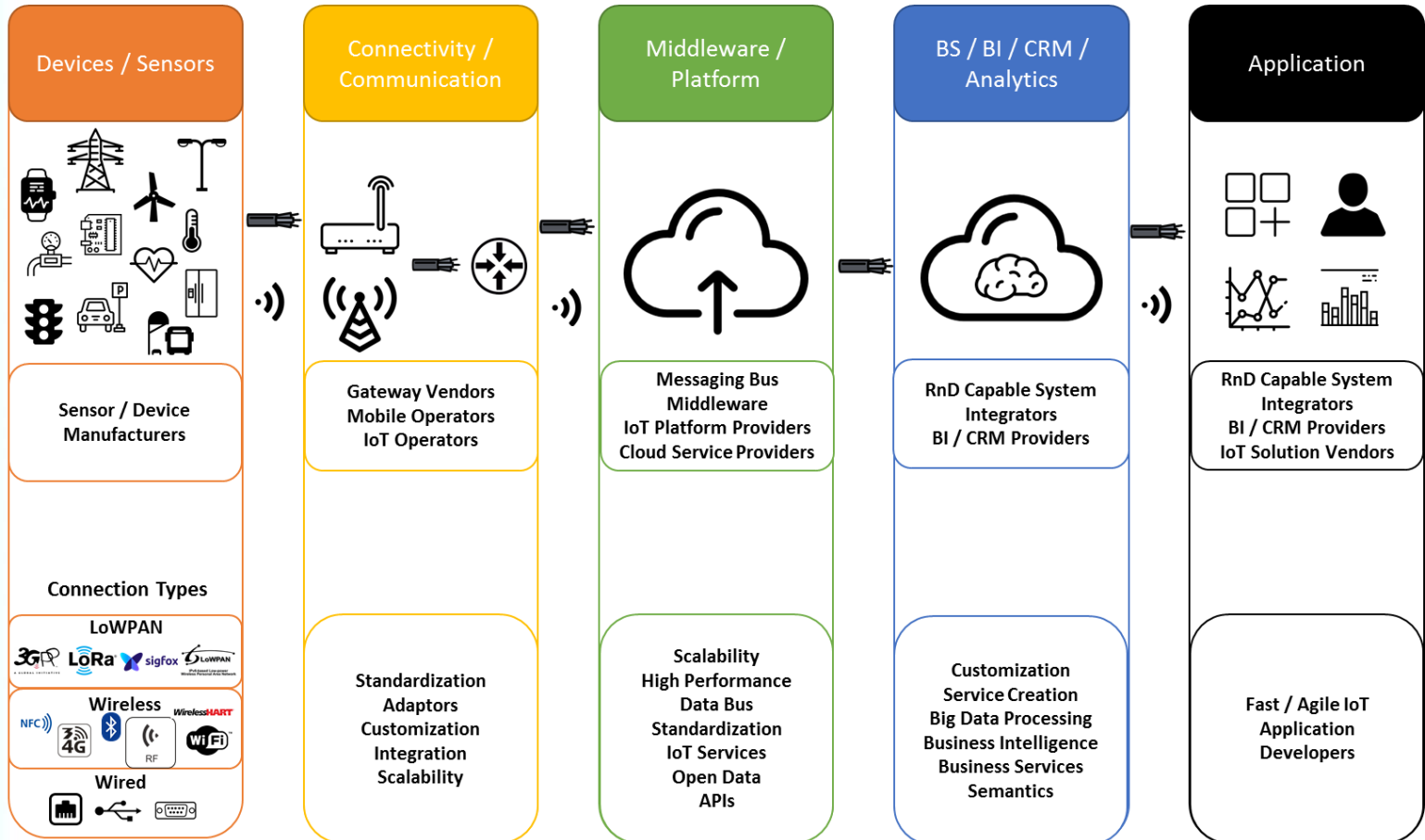
Financially Solid

- Overall strong top line growth from both organic and inorganic activities
- 20% CAGR in revenue—from \$79m in 2006 to \$339m in Y2014
- Significant growth in total order booked from \$132m in 2009 to \$382m in Y2014
- Sustainable EBITDA growth—from \$13m in Y2013 to \$18m in Y2014

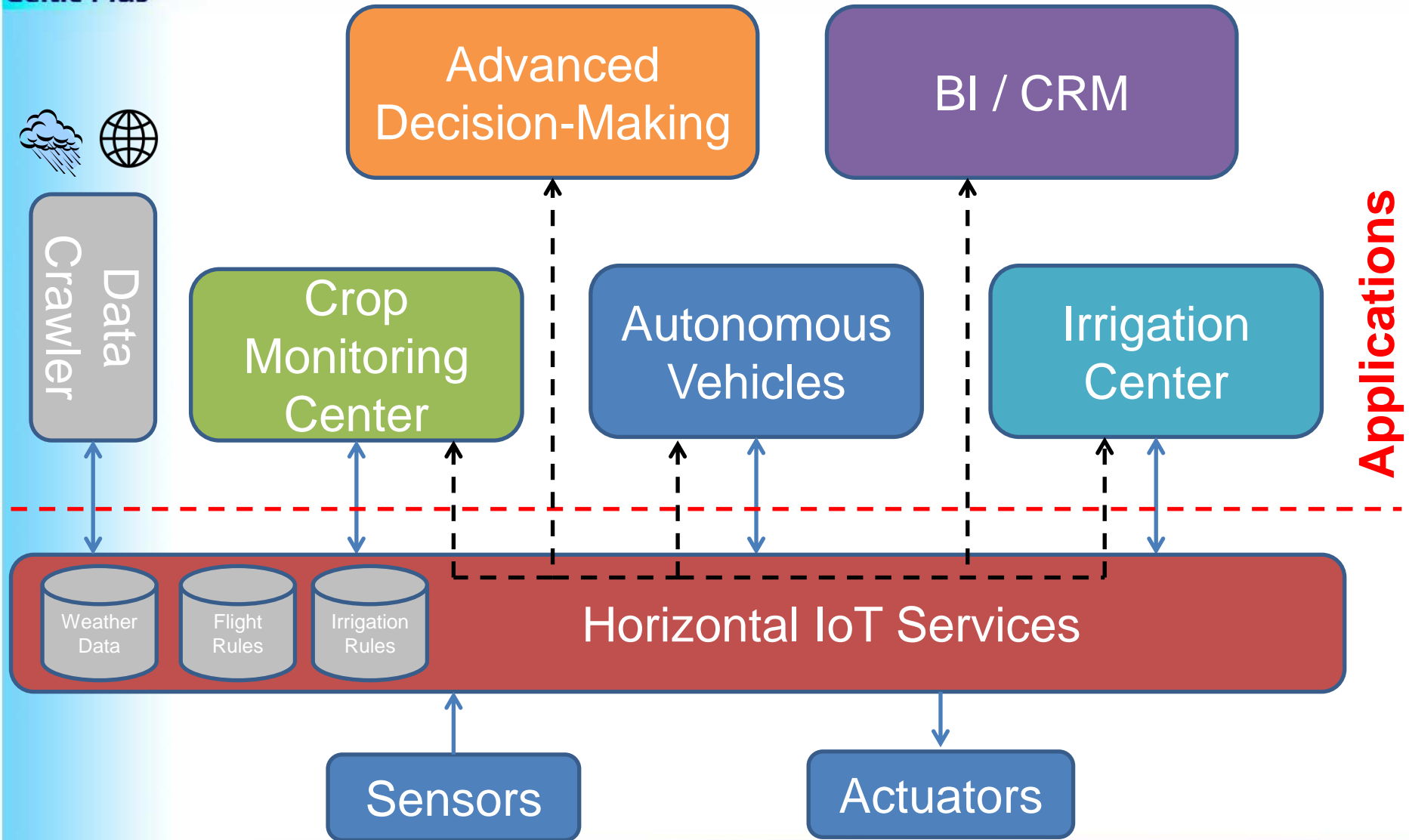


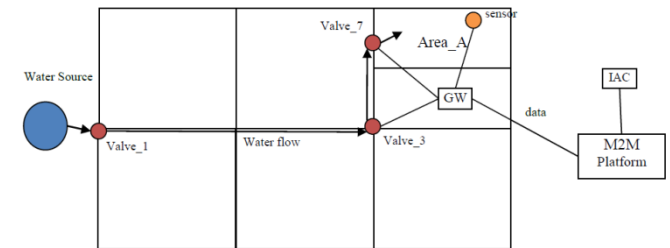
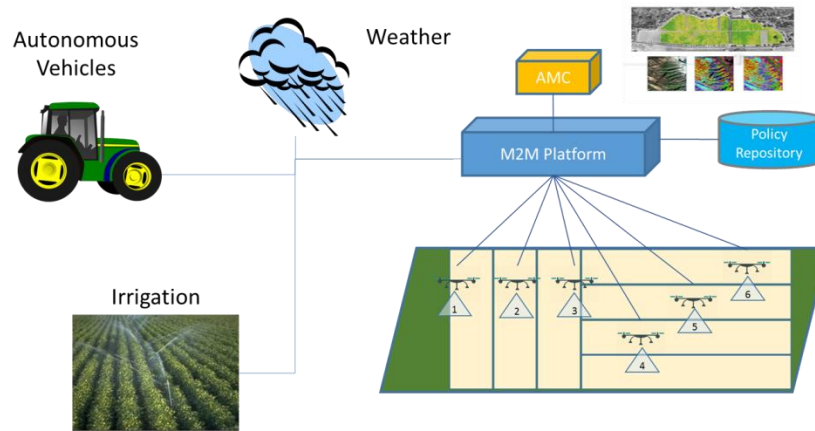
- Complex multi-year multi-million dollar transformation projects delivery in carrier & enterprise domains
- Servicing customers nationwide as per SLA's and high quality standards
- Constant innovation & championship in patent applications—applied for c.70 patents in the last 2 years
- Hardware & software development and custom productionization in 10K sqm facility






Overview of The System





Smart Irrigation

- Standard Based Solution (e.g. oneM2M) 
- Monitoring (e.g. temperature, humidity, illumination and soil moisture level) and policy based Control (e.g. Valves, Drones)
- Collaborative Drones (i.e. Battery management, grouping, coverage zones, transactions to simultaneously change orders)
- Battery Management
- Sensor Data Fusion

Partner	Expertise	Profile	Country
NETAŞ	Telecommunications	Company	TR
An Agricultural Company	Crop Production	Company	TR
SME	Electronics Design	SME	TR
Research Institution	Crop Cultivation	Academia	EU
Company / SME	Software Development	Company / SME	EU
...

Contact Info

For more information and for interest to participate please contact:

Cengiz Gezer
cgezer@netas.com.tr

Necip Gözüaçık
gozuacik@netas.com.tr

Rıza Durucasugil
rizad@netas.com.tr

www.netas.com.tr