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# **Smart Precise Agriculture**

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**NETAS** 





# **Teaser**



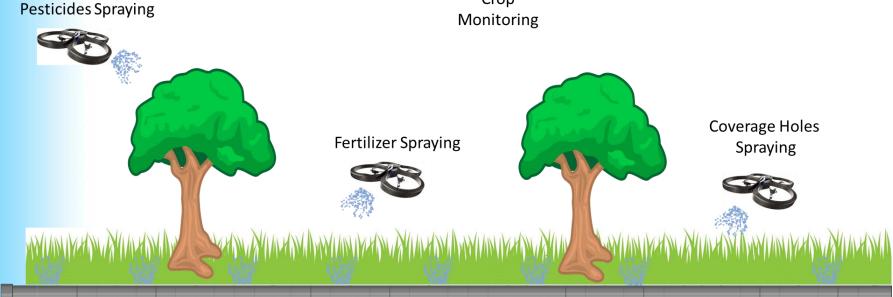
## **Smart Agriculture System**



Crop Monitoring

### **Benefits:**

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



Pipe Irrigation



# **Organisation Profile**





### 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





### Services

- Strategic IT Outsourcing
- Deployment and I&C Support & Maintenance Warranty, repair & return
- Widespread & Reliable



### **Productization**

- Telco hardware firmware
- Repair center

- 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 productization in 10K sqm facility



Government & **Public Entities** 

### Governing people in the cities

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



New

infrastructure

Own 4G LTE

products &



Urban areas are getting

- More populous

- More digital



### for digital age Technology partner of countrywide infrastructure transformation



Managing the volume Data Centers SDN & NFV artner for large



'Bank of the Future' Mobile Banking ATMs & Virtual Tollor Machines



Urban life & ICT are in a

positive feedback loop

Connecting all devices Own IoT products & solutions for the







Netas is the reliable & competent

solution provider, chartering the

transformation in the Region





for cyber threats and secure ommunications Own security products & solutions



Smart Life Centers, Buildings, etc.

### Managing crowds in buildings & centers

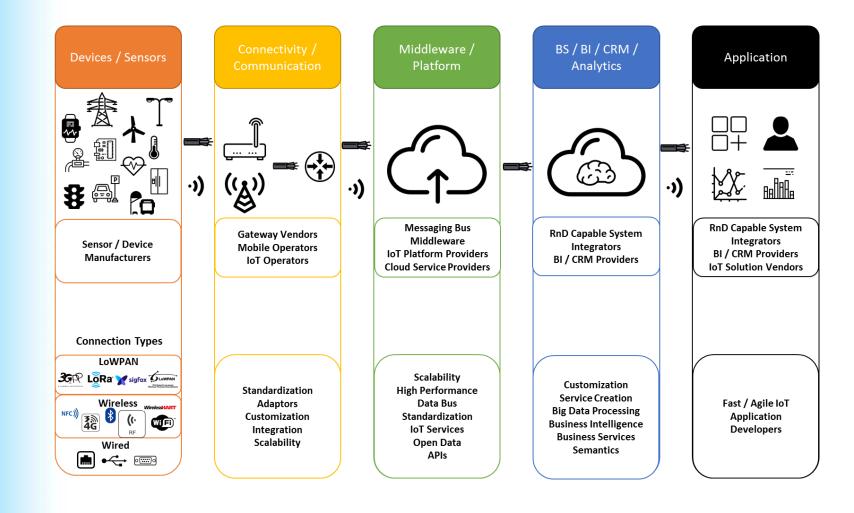
 Solutions from smart homes and offices to large public areas such as stadiums, shopping malls etc

new network



## **Netas IoT Solutions**

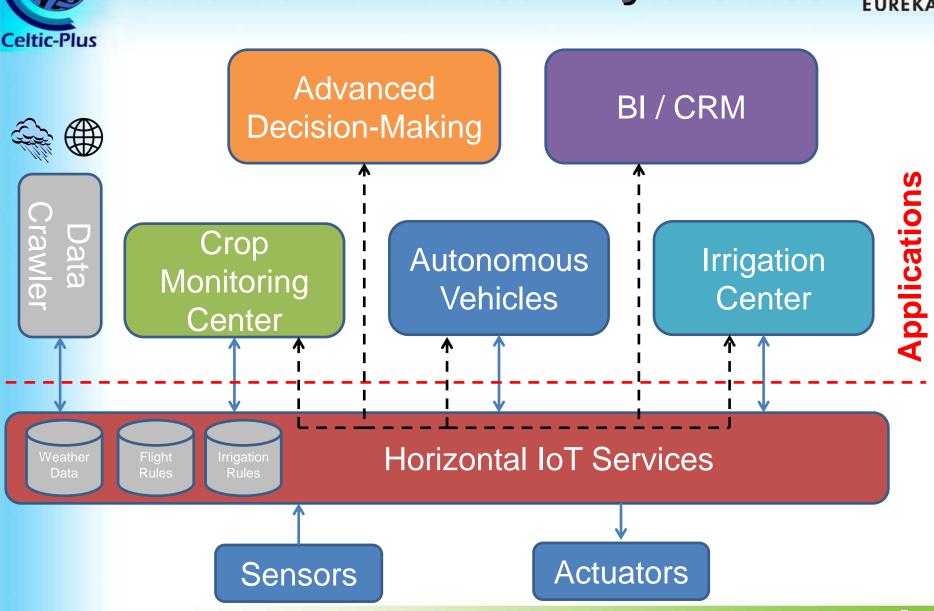






# **Overview of The System**

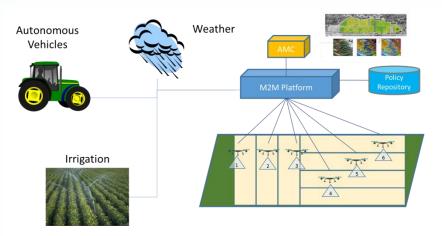


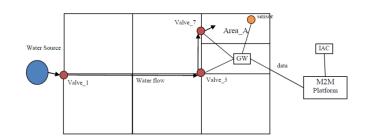




## **Use Cases**







**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



# **Partners**



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:

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