
Atos in H2020

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Ankara, 6th of May 2015

Agenda

- ▶ Atos today
- ▶ Atos and R&D&I
- ▶ H2020: A Success Story
- ▶ Recommendations for the Turkish industry and academia
- ▶ Conclusion

H2020 – an opportunity to leverage your technologies

Atos ??

Atos is an international
leader in
Digital Services

Delivering services

consulting

managed operations

systems integration

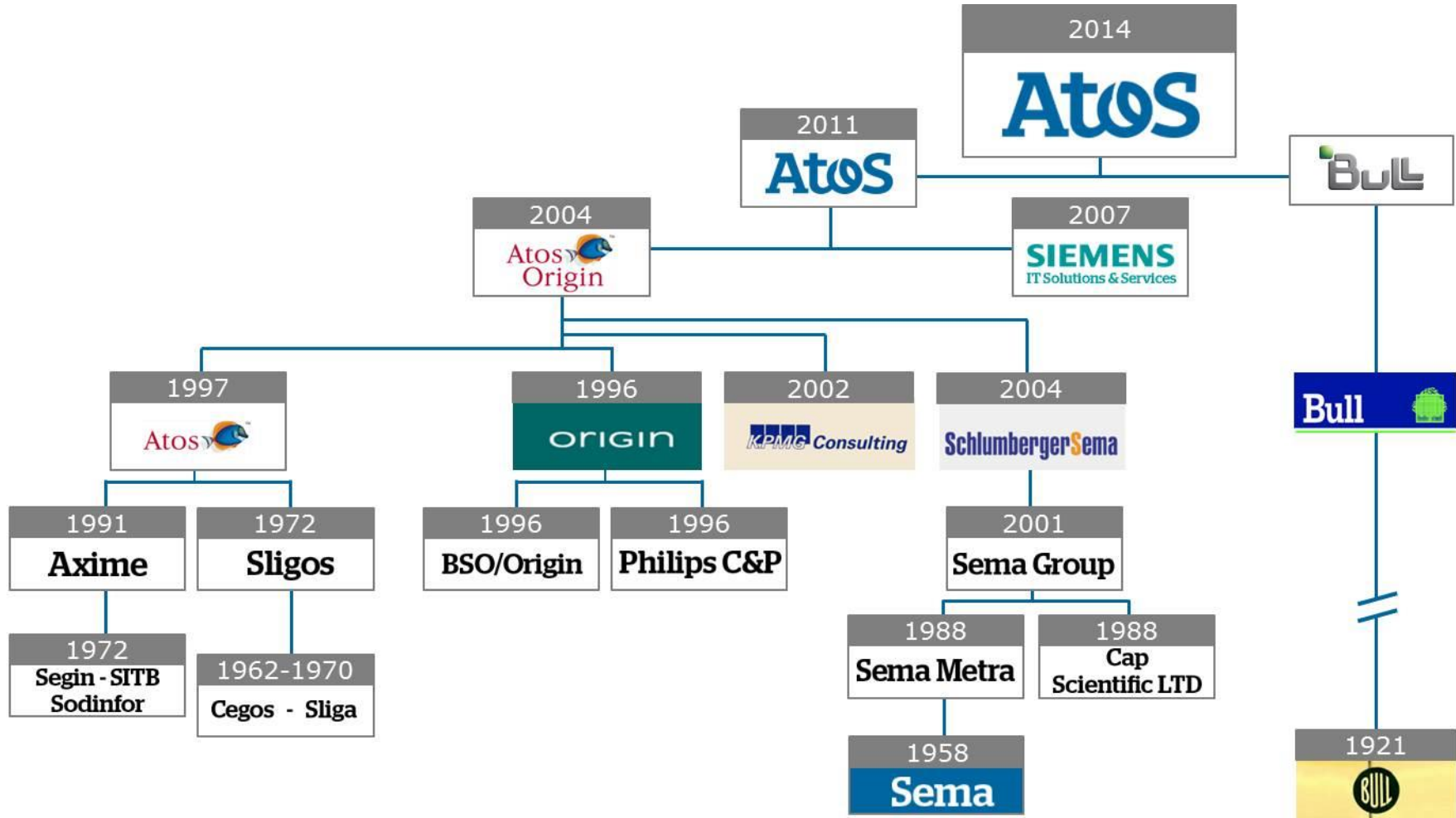
big data and security

cloud

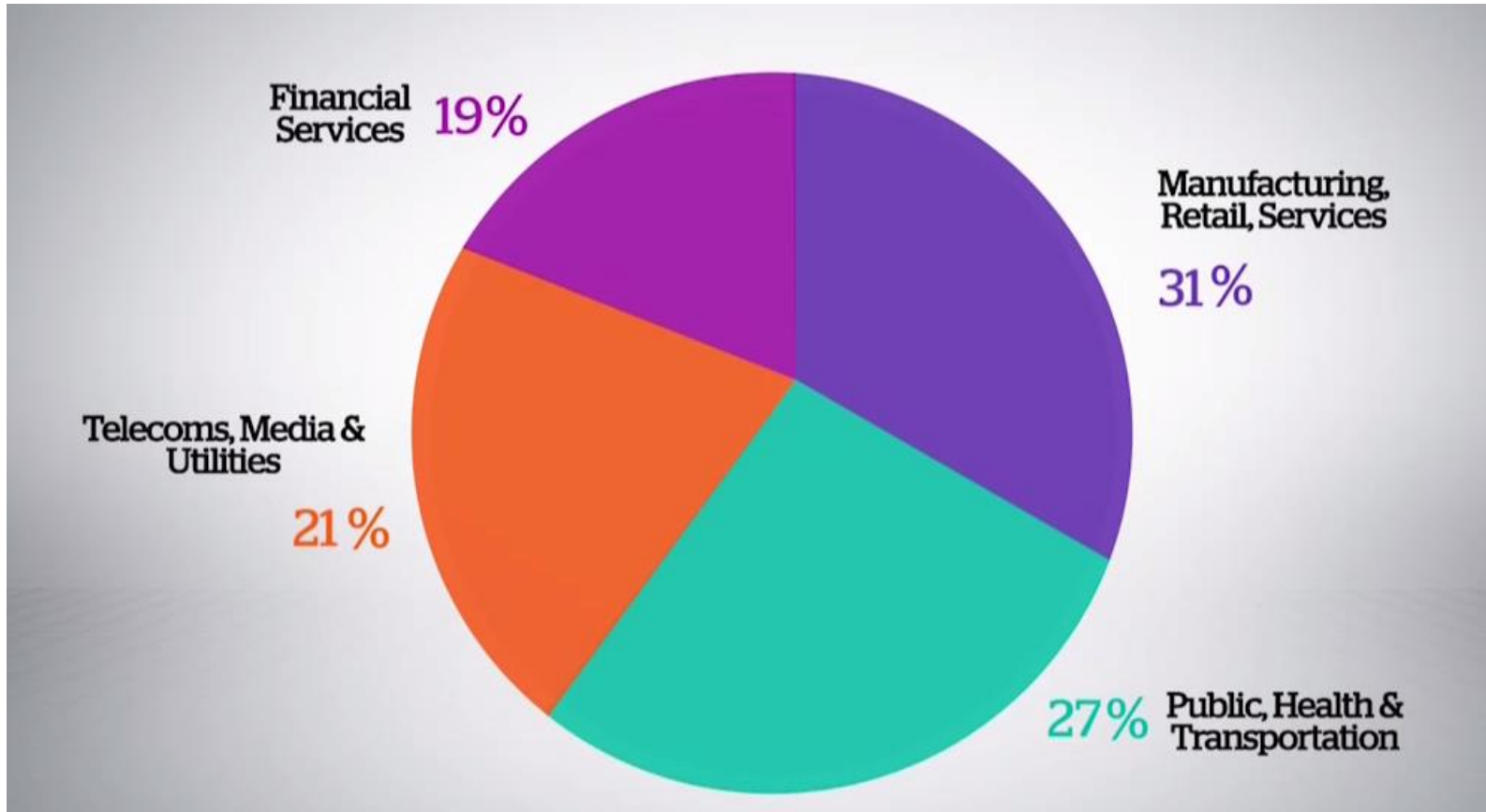
e-payment



Atos grown through acquisitions and successful turn around



Atos delivers IT services across 4 market sectors



Based on Atos breakdown revenue end of 2013 (in B€ 8.6)

From vision to innovation

"At Atos, we are very clear about what innovation truly means and about how we enable our clients to ensure that it becomes part of their company DNA, as it is part of ours"



Atos and the International Olympic Committee

- ▶ Long-term relationship based on trust and proven performance since Barcelona 1992



Atos: A New European Powerhouse



**€10 billion 2013
combined revenue**



**circa 85.500
headcount**



52 countries



**#1 Cloud Operations
in Western Europe**



**#1 Managed
Services in Europe**



Trusted operator
for Cyber Security and
Big Data €500 Mn€

From local offices to global powerhouse

Geographical breakdown of 85,500 Atos headcount



Research & Innovation Group



- ▶ R&D hub of Atos
- ▶ Development of projects combining the deployment of advanced technologies and commercial exploitation
- ▶ Coordination and Management of big international partnerships
- ▶ Source of innovative solutions to be promoted to Atos customers

**Worldwide reference point in
Research, Technological Development & Innovation**

Competences

RDI | Research, Development & Innovation

- ▶ **More than 28 years of experience** in running RDI projects, extremely well-known player in R&D in European contexts (FI, BDVA, PPP, H2020).
- ▶ Atos, as ICT global player, has the capacity to **influence the orientation of R&D funding programs**.
- ▶ Experts in designing, running and negotiating large scale RDI collaborative projects.
- ▶ Industrialisation of processes, PMO.
- ▶ **Wide range of expertise** - from emerging technologies to social sciences - various disciplines and cultures.
- ▶ **Successfully providing Research & Innovation support services** to other organizations (innovation workshops).

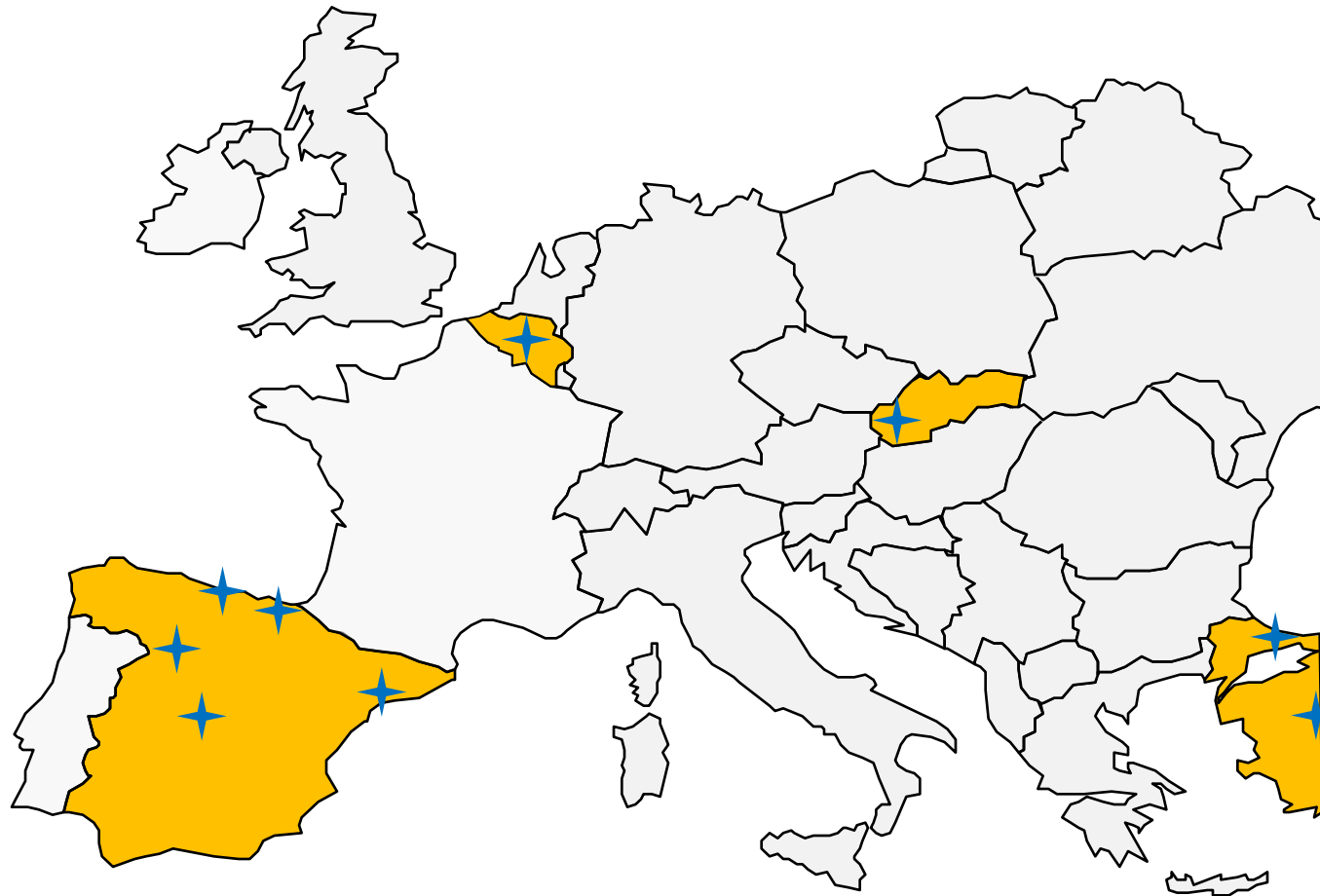
RDI since 1987

124 ongoing Projects



Geographic Footprint

- ▶ Ankara
- ▶ Barcelona
- ▶ Bilbao
- ▶ Bratislava
- ▶ Brussels
- ▶ Istanbul
- ▶ Madrid
- ▶ Santander
- ▶ Tenerife
- ▶ Valladolid



Atos as player in Europe's Research arena

- ▶ **Atos Research & Innovation in the European R&D&I constellation:**
 - In FP7, **Atos is no. 2** (following Siemens AG) as private-for-profit organization, with the highest numbers of participations in projects*
- ▶ **European Lobbies – Aiming at “leadership” rather than “only presence”**
 - Future Internet PPP – Member of the Steering Board
 - Since 2014, **Atos is a founding member of the Big Data Value Association (BDVA)**, assuming the roles of Vice-presidency and Deputy Secretary-general. We are also **member of the 5G PPP Steering Board**
 - **Atos is a core member of the KIC EIT Health Innolife** and an official member of the KIC EIT ICT Labs associated node Madrid.



***Sixth FP7 Monitoring Report
2012, Published in August 2013**

H2020 – A Success Story

- ▶ As announced in March 2015, four companies have agreed to address jointly the Smart City market using FIWARE: Atos, Engineering, Orange & Telefonica
- ▶ FIWARE is the architecture and software coming from Future Internet PPP calls. Three stages – a set of enablers:
 - Generic enablers
 - Specific enablers

FIWARE – the commercial offer for Smart Cities

FIWARE: Value proposition for Smart Cities



<http://www.fiware.org>

<http://lab.fiware.org>

Follow @FIWARE on Twitter!

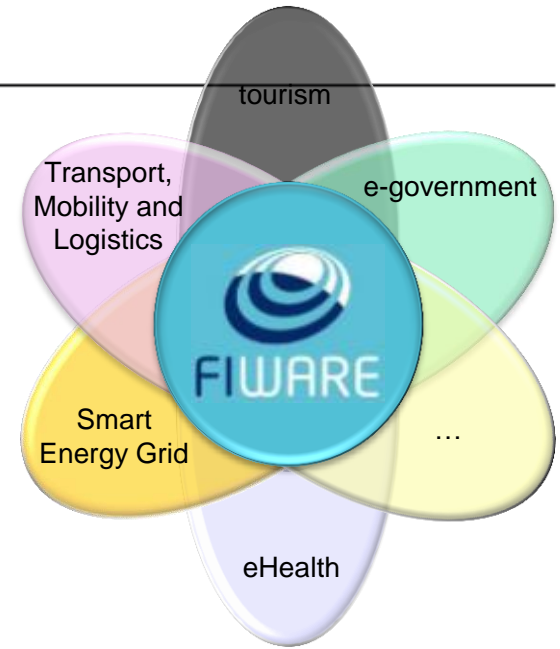


Cities are where daily life and businesses actually happen ...

Smart Cities are not simply about more efficient municipality services but **transforming Cities into ICT platform enabling innovation local economy growth and well-being**

The FIWARE Program

- ▶ Goal: capture opportunities derived from the new wave of digitalization of life and businesses by building an ecosystem that will work as catalyst for capturing the opportunities.
- ▶ Pillars:
 -  **FIWARE** : a generic, open standard platform which serve the needs of developers in multiple domains
 -  **FIWARE Lab** : a meeting point where innovation takes place, an opportunities can be incubated
 -  **Accelerate** : a program that funds developers and entrepreneurs, and ignites roll-out of the ecosystem
 -  **FIWARE Ops** : the suite of tools easing deployment and operation of FI-WARE instance nodes
 - FIWARE mundus: reach a global footprint, opening to regions that share the same vision and ambition





Why is FI-WARE suitable for Smart Cities?

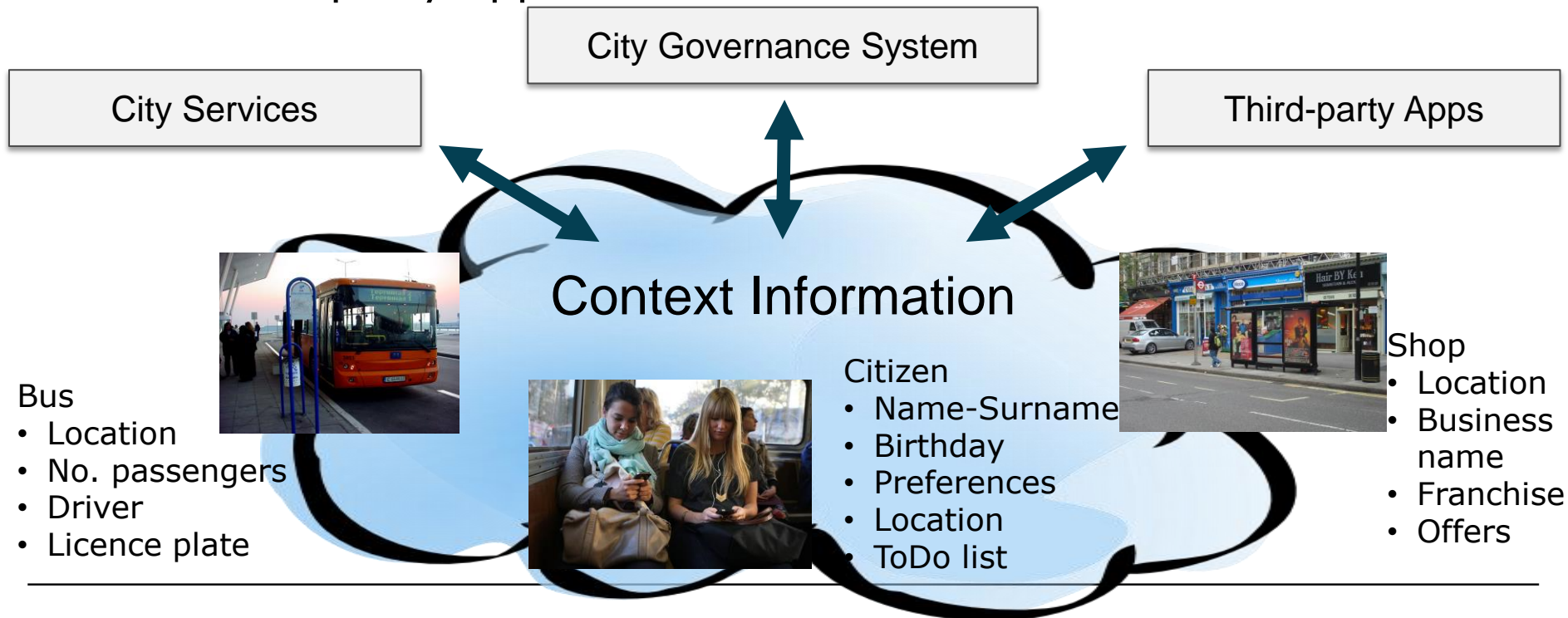


FIWARE = advanced OpenStack-based Cloud capabilities + library of APIs that ease development of applications



Being "Smart" requires first being "Aware"

- ▶ Implementing a Smart City requires gathering and managing context information describing the current and historic "state" of the city
- ▶ Context information refers to the values of attributes characterizing entities relevant to city services, governance and third-party apps



Once context information is gathered, a lot of useful complementary FIWARE enablers can be used

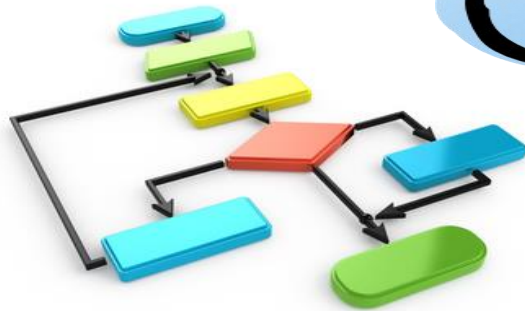
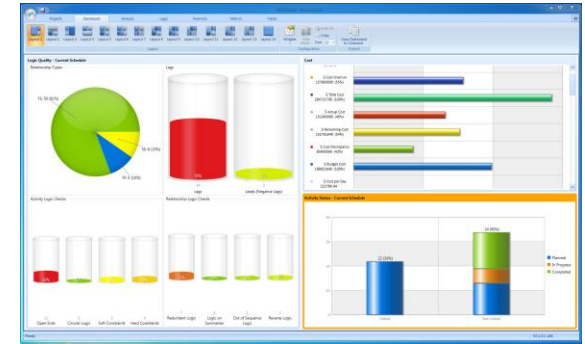
Advanced Web-based UI (AR, 3D)



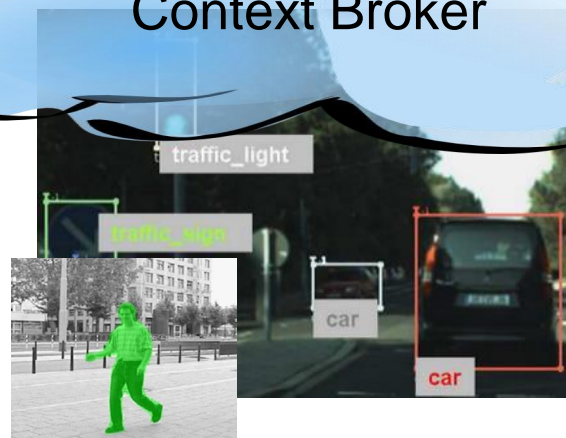
Open data publication



Data/Apps visualization



Complex Event Processing

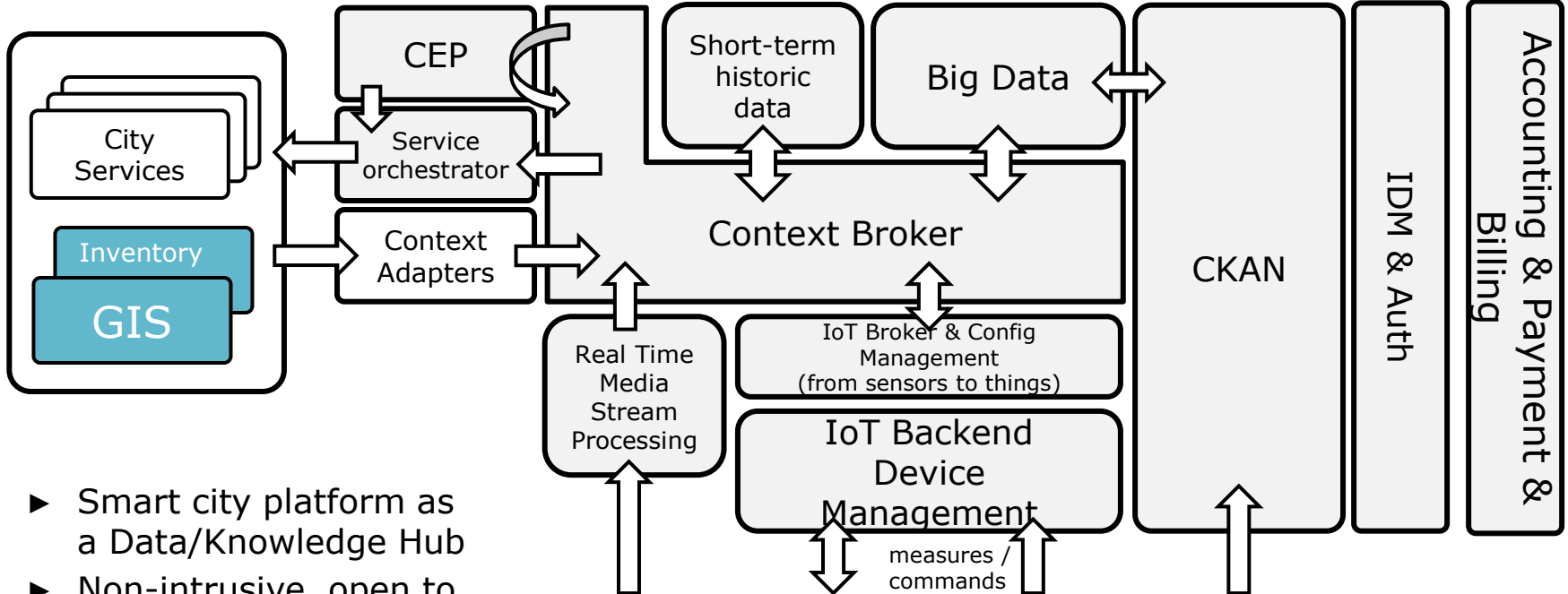


Multimedia processing

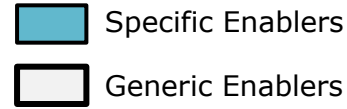


Big Data Analysis

Target Smart City platform



- ▶ Smart city platform as a Data/Knowledge Hub
- ▶ Non-intrusive, open to third parties



Recommendation for the Turkish industry and academia

- ▶ We are enjoying a stunning moment in Turkish industry
- ▶ Turkey, a relevant asset for participation:
 - large in population, land, strength of businesses
 - Set of universities of high standard of training
 - Large corporates set up nationally, with their corresponding industrial tissue around
- ▶ For an academia, H2020 is the opportunity to “teach and learn”
- ▶ The occasion to allow Turkish students and researchers cooperate with German, Spanish, Dutch,... first-class universities and companies

Recommendation for the Turkish industry and academia

- ▶ For a Turkish company, there are many advantages:
 - external funding to support your internal R&D
 - share experiences with similar companies across the continent, sharing problems and solutions
 - spread your market multiplying your contacts
 - train your skilled staff with high-tech, international experience
- ▶ For a company:

Tradition – is the past / Excel - is the present / Innovation - is the future

Conclusion

- ▶ H2020 is a great support path for a company's R&D
- ▶ We are enjoying a stunning moment in Turkish industry
- ▶ R&D&I is not "a" way, is THE way forward
- ▶ H2020 allows funding, international cooperation and shared technological advance

H2020 – an opportunity to leverage your technologies

H2020 – an opportunity to boost your business

Thank you

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