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ANOTHER DEFINITION OF "SMART CITY"?

INFORMATION IS POWER

PROCESS MANAGEMENT

 Smart Cities have the objective to manage, monitor and control a complex ecosystem, with different social, political, economical aspects to be considered and harmonized.

SMART CITY

PROCESS AWARENESS

 Understand and have visibility on all the elements which are part of the ecosystem, in order to be able to act on them, through effective policies.



WHAT DOES IT MEAN?

SMART PARKING IN PISA

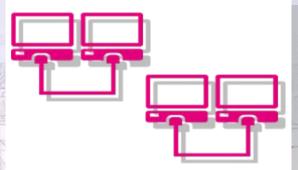
Smart Solution in use

Pisa has used smart parking tools for 5 years

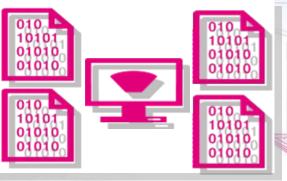
Parking Availability
Where citizens park &
how to inform them







Improve Traffic Management
No integration between smart
tools from different vendors



Big Data Analytics
How to use existing data to

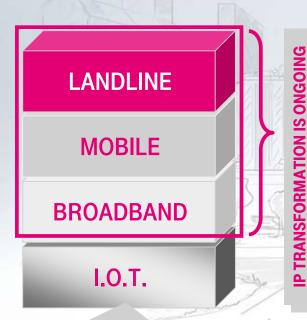
improve processes

PARTNER: KIUNSYS SRL



STRATEGIC DT GROUP APPROACH ON SMART CITIES

THE IP TRANSFORMATION PROJECT



VARIOUS TECHNOLOGIES ARE BEING EVALUATED TO "COVER" THE IOT FREQUENCIES

DT SMART CITY VISION

SMART CITY 2.0

IP TRANSFORMATION

... "the old infrastructure will not be able to absorb future increases in data traffic.

'There's just no getting around the IP transformation," ... (C. Nemat)

OPEN ARCHITECTURE

... "it would be more effective for end users if the operator switched to a "horizontal approach". ... Deutsche Telekom now uses open APIs and open architectures to create an open interface for solutions provider partners." ... (J. Hase)



LIFE IS FOR SHARING

member for Europe and Technology Claudia Nemat explained the Group's strategy for building a pan-European network and why DT



eb 26, 2014/ Board member for urspe and Technology Claudia email seized the opportunity in or interview with the forserpeitung newspaper to dering the benefits of converting the Deutside Telekom network to technology across Europe, "Th tuo ad itis tillaned of to omers, who will receive roved service and bette products," she said. The then added that in turn, the Group would become significantly more competitive. for example by

Deturment this article.

Taxon an POST

considerably reducing the time-to-market for its products, and seniores. According to Nermal, the old infrastructure will not be able to abourt future increases in data traffic. "There's just no petting around The transfermation " she emphasized. When asked about the delays in its implementation, she explained that creating a pan-European network is a complex challenge and acknowledged that the biggest mistake made by the industry in the past was to view the transformation as a purely technical problem. We are confident however, that we will meet each deadline that we have set for every country" said Namual

Change is afoot in eastern Europe

The Board member confirmed that DT is focusing heavily on eastern Europe: "We have a clear strategy to implement an integrated network expansion in all countries of eastern Europe. However, the nature and pace of the integration varies from country to country." Nemat said. Of course, this strategy requires DT to have majority shares in the relevant national companies, and the recent acquisitions in the Couch Republic were a perfinent step in that direction, in Macedonia the IP transformation has been completed and the new network is set to generale annual savings of 10 euros per customer. When asked about the Group's plans for Stovakia, Nemal explained that DT supports the government's plans to sell its shares and that it doesn't renounce any of its shareholder rights in this regard. She also highlighted the fact that DT has made a conscious choice to invest heavily in OTE to help its Greek subsidiary get out of debt. We think It's key to be well-equipped to weather any potential crisis," she said. "Greece is a good example of that, OTE is keeping its cashflow stable and has increased both its margins and its market share."

Deutsche Telekom to emulate App Store with M2M model

November 12, 2013 William by Dawinderpal Sahola

A Print (2) Email

German operator group Deutsche Telekom is looking to emulate Apple's success in the smartphone appmarket with its M2M offering, Jürgen Hase, vice president M3M competence center at the operator told delegates at Internet of Things World Forum 2013.

White some operators have opted to partner with a third party plafform provider such as Jasper Wireless. Deutsche Telekom has instead chosen to develop a solution in house. Hissa has need telecoms com it made this call due to the requirements coming from the automotive sector, the energy and health sectors meaning operators are going to have to add many additional features and build them in their own way to ensure full integration with their network.

In his keynole this week, he elaborated on the concept and explained that the operator group had previously looked to build tallormade MQM plafforms for its enterprise customers according to vertical. However, the form then realised it would be more effective for end upers if the operator switched to a "horizontal approach" He said Deutsche Telekom now uses open APIs and open architectures to create an open interface for sondons provider partners.



Airport Hone, head of DT's MOV Compelency

He added that the firm is looking to develop a minimum of 50 solutions per year for the verticals that it targets. He

noted that there are a number of everyday applications that will benefit from M2M connectivity, such as street lighting, parking, pollution monitoring, public transport and wastle management. While he conceded that not all of the solutions developed will catch on the operator will can those unsuccessful solutions and continue to help innovate new and more successful ones.

"We're not experts in vending machines, for example, so we work with partners in that space and the way we look to sarve them is by offering them open interfaces for our platform."

He added that ultimately, the best approach to providing MDM services to end users will be determined by the market. However, he noted that iPhone maker Apple has been successful in a similar endeavour with its smartphone App Store.

"Apple created a development platform, a frame for developers to create apps for the iPhone and iPad and then if sells sold those apps to customers through the App Store. We're looking to develop the same for M2M customers," he said

WHAT NEXT?

WHERE WE ARE IS REALY WHERE WE WOULD LIKE TO BE?

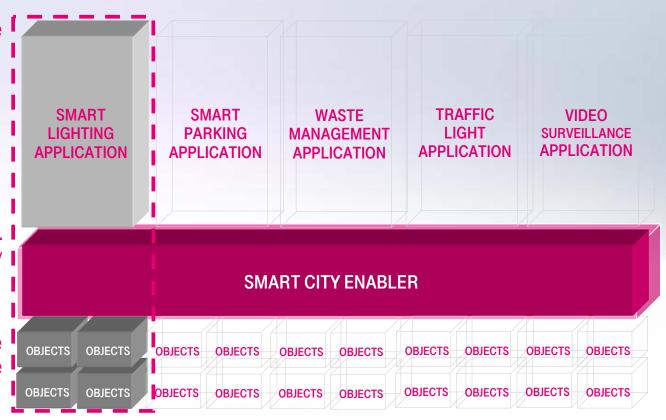
The mandate from the EU institution to the ICT industry is to:

RETROFIT THE EXISTING CITY'S INFRASTRUCTURE

in order to make CITIES SMART.

This requires a comprehensive **HORIZONTAL I APPROACH**, approach DT is already implementing from the data transport side.

What about the role of DT in supporting the **OPEN DATA** horizontal approach, where SW platforms would come into place?



ENABLING SMART CITIES

THE "SMART CITY ENABLER"

