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Città Sostenibili & Mobilità Urbana

M. MARTINELLI

www.thalesgroup.com



Sostenibile

Resiliente

Accessibile

Sicurezza

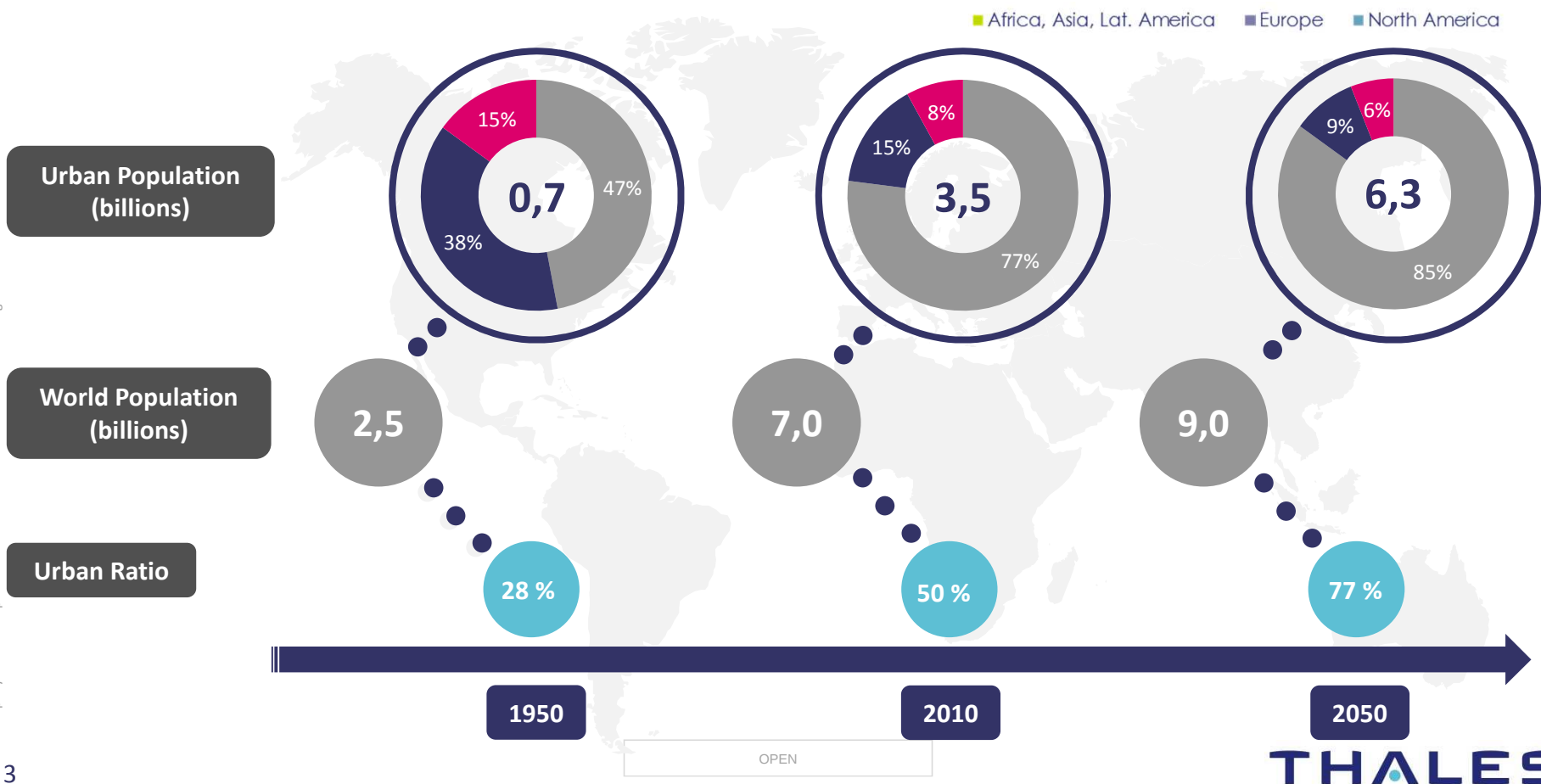
Ecologica

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Evoluzione delle popolazione e localizzazione

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Programmazione e Pianificazione Urbanistica - Coordinamento

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Map

Mappare a analizzare lo stato dell'arte della città

Design

Progettare l'architettura del sistema futuri e tutti i collegamenti fra i vari usi

Set up

Digitalizza i processi progettati per mantenere vivo e produttivo il sistema

Monitor

Visualizza il tuo Ecosistema

Thales Smart City - Citytop

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CityTop – La smart City di Thales

È UNO SPAZIO DIGITALMENTE INTEGRATO UNIFICATO DA UNA PIATTAFORMA INFORMATICA DISTRIBUITA

- **Piattaforma digitale integrata**
 - Coordina tutti gli attori che vivono una città con lo scopo di aumentare l'efficienza operativa
 - Offre la possibilità di accedere servizi digitali innovativi
- **Analisi dei dati (Big Data) analysis to better predict & anticipate**
 - Elaborazione di Dashbord e KPI necessari per anticipare e prevenire eventi
 - Simulazioni, modellazione e misurazioni

Sviluppare soluzioni che soddisfano i bisogni della generazione presente senza compromettere la capacità delle generazioni future di far fronte ai propri bisogni

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Smart city - Obiettivi

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SMART CITY

Gestione della Città unica e interconnessa

- Migliorare l'efficienza e la qualità della vita di ogni cittadino
- Capacità di prevenire e anticipare situazioni di crisi
- Infrastrutture IT protette e strumenti di analisi innovativi

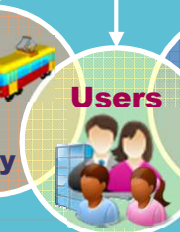
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Prerequisiti e pilastri di una Smart City - Thales

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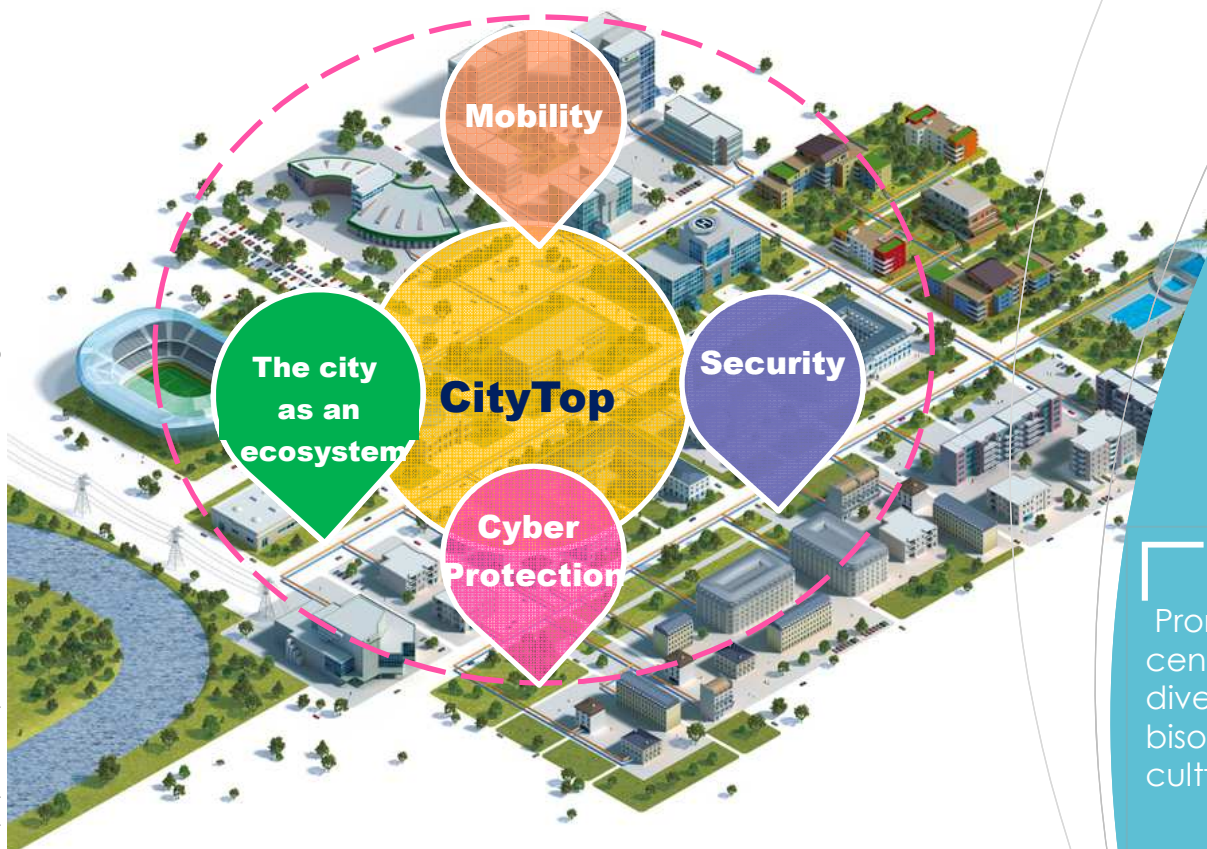
2 PILLARS per THALES

- Smart Security
- Smart Mobility

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City Platform

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Promuovere azioni per superare la dicotomia centro – periferia assegnando pari dignità alle diverse parti della città dando risposta ai bisogni delle persone, diverse per età, genere, cultura e provenienza

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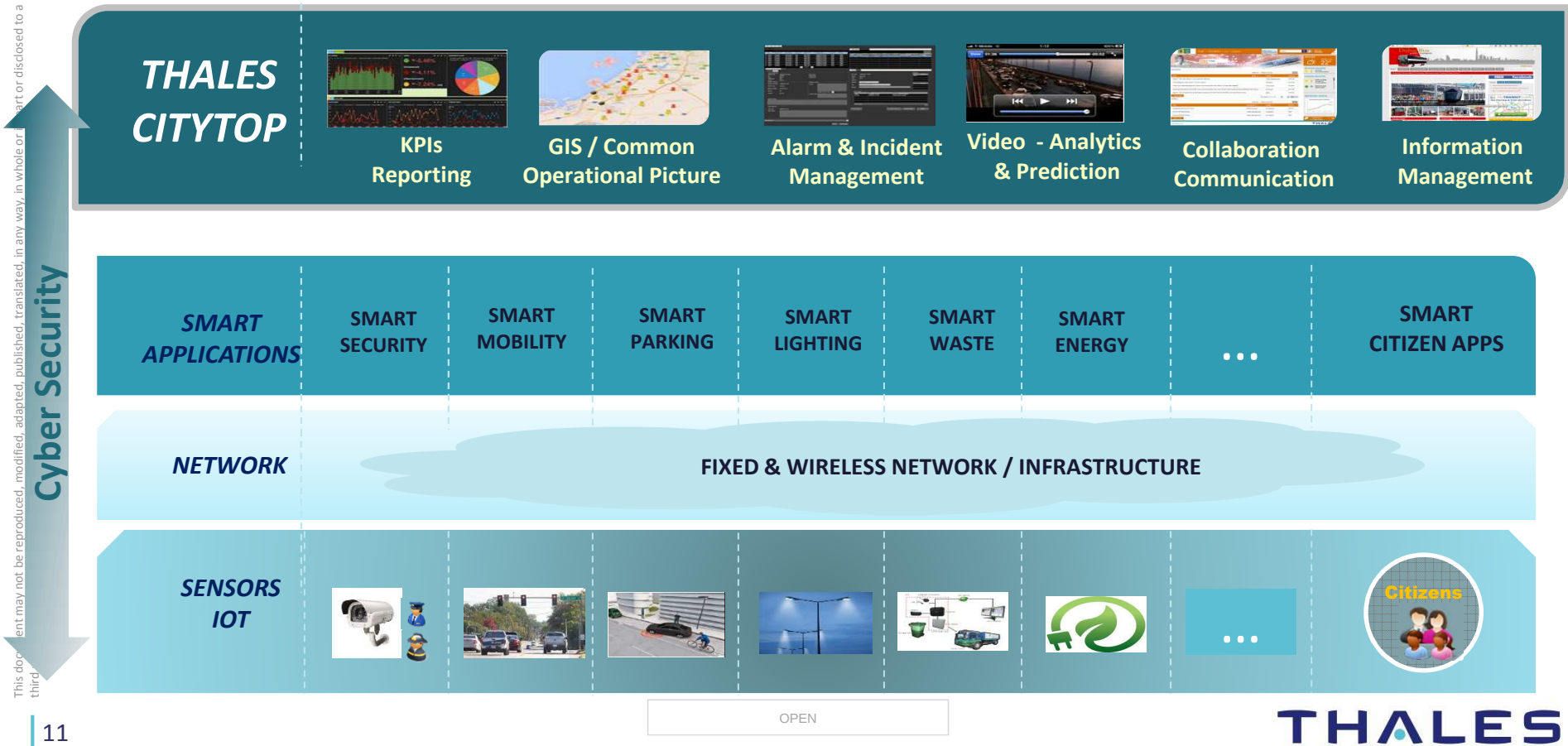
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- THALES CITYTOP PLATFORM

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CityTop: Smart City Operations Management



Mobility

- **Multimodal transportation management**

- Metro
- Tram
- Bus
- Taxi
- Vehicle Traffic...

- **Enhance operational efficiency, improve safety and increase customers' services**

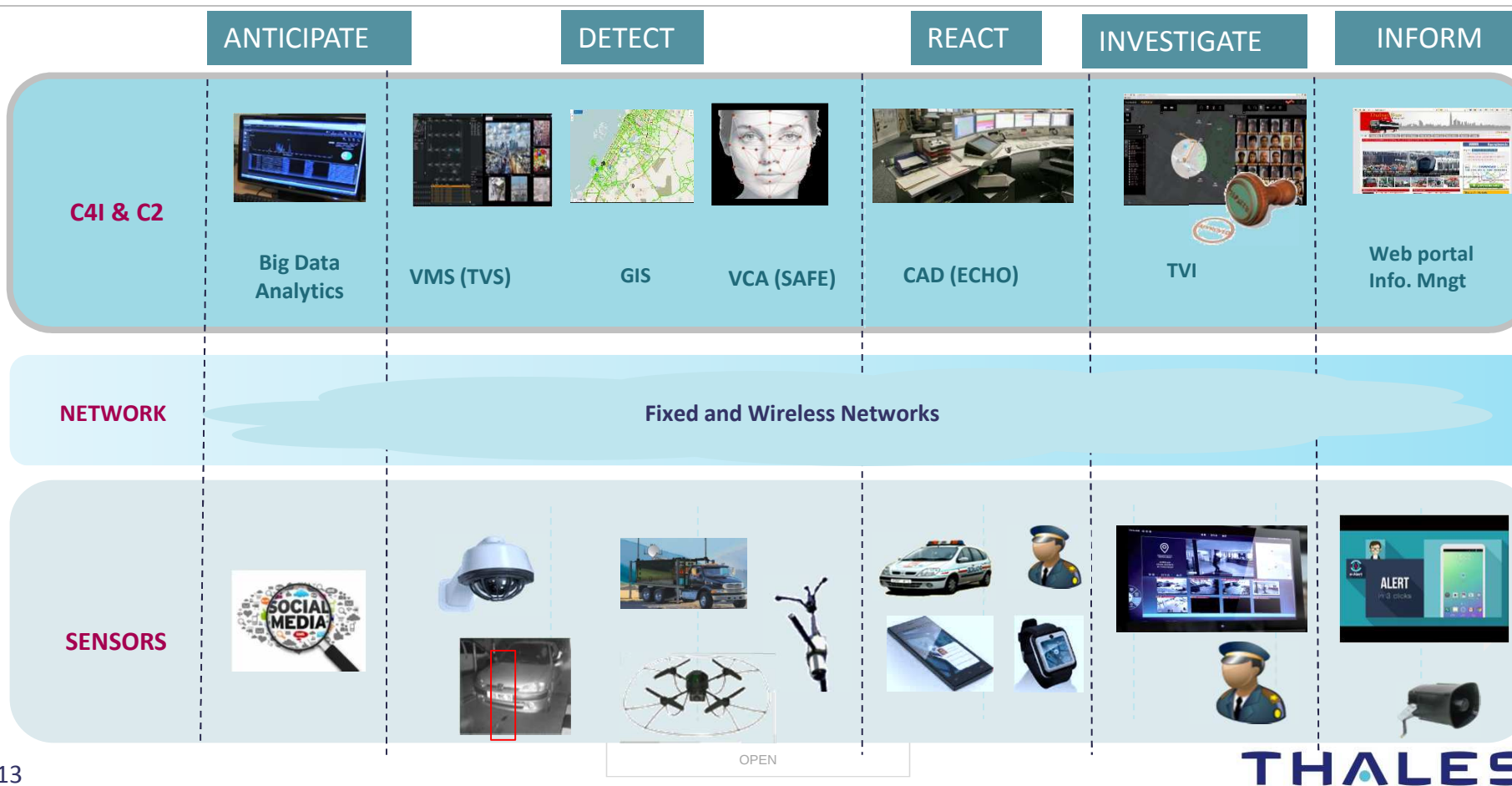
- Optimized journey
- Real time information & guidance
- ...

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Thales Urban Security offer

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Cyber protected: Secured by design

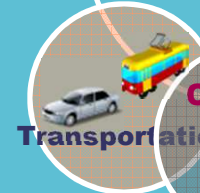
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City platform



Citizens



TRUSTED PLATFORM

- User authentication
- Data integrity and privacy

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Key Reference

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Reference: “Mexico Safer City” Project

Customer: Mexico City Federal District

- Emergency calls: 80,000 per day
- More than 4,500 incidents dispatched daily
- Management of 25,000 on the field resources
- Response time dropped from 12' to 2'09
- Criminality: -48,9% since 2009
- Stolen cars: 50% recovered after 72h
- Decrease of the insurance fees of 30 %
- Operational efficiency: +19.1%



Reference: “Dubai City” Project

Benefits / ROI

- ❑ Improved Public transport quality of service
- ❑ Fluid transport for large events
- ❑ Less Traffic congestion and CO2 emissions
- ❑ Improved transport safety & security
- ❑ Better public information services

Multi Modal Operations Coordination



Key Functions

- Transport operations performance monitoring (KPIs & dashboards)
- Incident and crisis management of multi-modal transport operations
- Modeling & simulation tools for better planning
- Large event planning & management

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- Transport information services for Citizen

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Thanks for your attention

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