Smart Mobility in Digital cities

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Agenda

• Digital cities: the need – the opportunity
• The trends driving digital cities
• Challenges behind digital cities
• Smart Mobility
• Dell Technologies Solution
Digital Cities
Digital Cities: the need – the opportunity
Rethink of living
Vision for cities of the future

Become an innovative city

**Efficient**
Optimized use of city resources

**Seamless**
Integrated daily life services

**Safe**
Anticipate risks and protect people and information

**Impactful**
Enriched life and business experiences for all
Surviving urbanization

Population: 10B

54% in urban areas

2B cars on the road

By 2050
Implications to the city

Empower the city, citizens, visitors, and businesses

- Improve: Quality of urban living
- Create: Efficient city and transparent government
- Develop: Vital economy
- Reduce: Environmental impact
- Address: Infrastructure, buildings and urban planning
- Improve: Tourism, recreation, and city image
Emerging technology trends
Digital City Solution

Application Layer
- Dashboards Visualization
- Platform As A Service
- Data Marketplace
- Application Marketplace
- Collaboration
- Real time Control

Data Layer
- Data Discovery Search
- Analytics (Graph, Machine Learning, Spatial, Sentiment)
- API Management (Data API, Micro-Services)
- Catalog

Enable Data for Consumption – Analytics/Data APIs
- Data Ingestion (IoT, Social, City, Personal)
- Data Stores (Structured, Unstructured, Object, In-Memory, Key-Value)
- Data Wrangling (Transformation, Cleansing)
- Data Governance (Audit, Workflow, Encryption)

Open Standards Data Ingestion, Store, Cleanse and Governance

Infrastructure Layer
- Compute (Converged, Scale-up, Scale-out)
- Network (SDN, SAN, WAN, Wireless)
- Storage (SDS, Block, File, Object)
- Cloud M&O (Private, Public)
- Business Continuity (Backup & Recovery, DR)
- Storage (Block, File, Object)
Smart Mobility
What is Smart Mobility

Allows continuous, well-organized and flexible travel across various transport modes
Smart Mobility - Objectives

• Empower citizen to contribute the city’s welfare and planning
• Enable 360 degree view of city’s mobility issues and problems
• Ease the citizen’s service request w.r.t transport
• Monetize the platform for city through marketplace
Working use cases...
Digital city

Window to the city
Applications and PaaS marketplace

- Example bike rental availability
KPIs for city
Trends: drill-down details
Analytics

Predict areas of potential accidents and related sentiment analysis
### HOW CAN DELL-EMC HELP

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