MEET IN ASIA PACIFIC FOR THE WORLD'S LEADING TRANSPORT TECHNOLOGY EVENT
ACTIVATING GLOBAL MOBILITY SOLUTIONS
ITS—ENHANCING LIVEABLE CITIES AND COMMUNITIES

2016 MELBOURNE
23rd World Congress on Intelligent Transport Systems
Melbourne Convention and Exhibition Centre
10–14 October 2016

Australian Government
VICTORIA
MELBOURNE
ITS AUSTRALIA
ITS
ITS AMERICA

PROGRAM PARTNER
HEADLINE PARTNER
SUPPORTED BY
HOSTED BY
CO-HOSTED BY

www.itsworthcongress2016.com | #ITSWC16
Richard Harris
Xerox

Mobility as a Service: benefits
IBEC 2
Xerox Transport Services

- **37 billion** transit fare transactions processed annually
- **100 million** and more public transport tickets processed daily
- **5 billion** dollars in toll revenue collected annually
- **#1** Worldwide rank in transportation services to governments
- **50%** of electronic toll collection processed in the US
- **16 million** parking violations processed
- **35** Countries use our solutions in transportation
- **10** Customer service centers supporting 22 toll agencies
Integrated transport and mobility services

- Sensors, FCD, Loops, Video, CCTV, Social media
- Incidents
- Congestion
- Air Quality
- Capacity
- Monitor
- Inform
- Manage
- Mobility Analytics Platform
- Open Data
- Financial Transactions
- Public Transport Payments
- Parking Off/on street payments
- Toll/RUC payments
- Enforcement Processing
- Policy
- KPIs
- Governance
- Business Case
- User needs
- Urban Traffic Control
- Managed Motorways
- Low emission zones
- Access control
- VMS and diversions
- Network management
- Demand management
- Variable toll
- Car Parking
- Bike hire
- Car share
- Demand Responsive

- Journey times
- Public transport arrival times
- Timetables and routes
- Congestion
- Disruption
- Delays
- Incidents
- Road works
- Events
- Air quality
- Parking spaces
- Mobility options
- Trip scheduling
- Bike availability
- Car pool
- Car share

- Informative
- Manageable
- Financial
- Transactional
• 19 operators in Montréal share a single back office platform while their sensitive data is kept data secure
• One contactless Card “OPUS”, 3,000 bus, 5 train lines & 4 metro lines
• 1.2 million contactless cards processed daily
• 12% increase in ridership
• Data analytics
City Mobility Analytics

- Analytics tools for the city operator to optimize transportation infrastructure and manage demand.
- Analysing public transport operations, parking usage, traffic flow, mobility requirements, demographics, land use, …
- Made Understandable and simple!
What is driving growth of Urban Mobility?

- 18-24 year olds will represent 50% of urban workforce by 2025 how to serve them?
- Less reliant on cars; mobility decisions on-the-fly
- Drivers of the Sharing Economy
By 2025

37% will use an electric car

50% one App for all transport needs

51% will decide where to live and work based on transport

32% will use a self-driving car

41% will not use cash to pay for transport
Rapid Growth creating “Wild West” in Mobility

- Private sector driving growth in mobility
- But, it’s fragmented, uncoordinated, and confusing
Go Denver

• Giving you mobility choices to improve how Denver Moves
• Your preferences & requirements
• Trip planning
• Compare results
• Trip details
• Travel history

www.GoDenverapp.com
Go Denver – making sense of mobility

- Regional mobility analytics
- System optimisation
- Public feedback / Co-creation
- Revenue share in future

Cities / Public Transport

End Users (Travelers)

Transport Service Providers (TSPs)

- Know all my options
- Personalised analytics
- Commuters, tourists, etc.

- Access to customers
- Launching platform
- Level playing field
SMIRT/Pass Pass project

SMIRT

• 14 Transport Authorities unified in a dedicated organization
• Operators of mobility services: Public Transport, car sharing, bike sharing
• Other mobility services/partners: carpooling, parking, electric vehicle charging stations…

REGION NORD PAS DE CALAIS

• 4M inhabitants
• 30% expecting better interconnectivity across the region (SMIRT study of 2013)
• 75% commuters using personal cars doing 20 miles/trip on average

OBJECTIVE

• Guide people toward a more sustainable mobility

OUR SOLUTION

• Xerox Mobility Companion Platform
More Liveable City

- Economy
- Safety
- Inclusion
- Mobility
- Environment
- Accessibility
- Efficiency
- Reliability
- Quality of life
- Health
For Further Information

Richard Harris
Solution Director
International Public Sector
Xerox

richard.harris@xerox.com

UK Survey  http://www.xerox.co.uk/services/transport-solutions/commuting/engb.html

European report  https://www.xerox.co.uk/en-gb/services/transport-solutions/insights/urban-survey