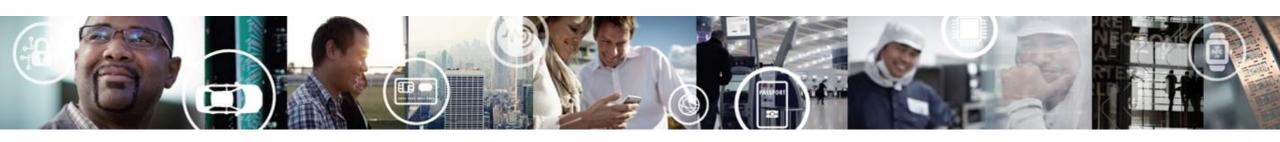
HOW TO CREATE INTEGRATED AND FORM FACTOR INDEPENDENT SERVICES IN PUBLIC TRANSPORT

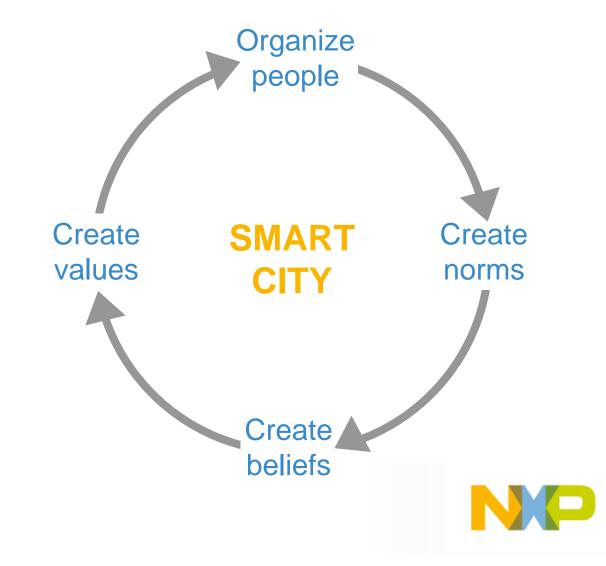
ANDRE PERCHTHALER
TT LONDON 2020







Smart Cities – Shaping Urban Culture



Transit Agencies: Challenges Today



High Distribution & Cash Collection Costs

- Cost of paper / smart card issuance and distribution
- Capital of ticket vending machines
- Machine maintenance
- Cost of cash collection



Legacy Hardware Difficult to Upgrade

- Limited public service funding
- Limited connectivity to backend offices: No real time connections
- Large network which is difficult to upgrade

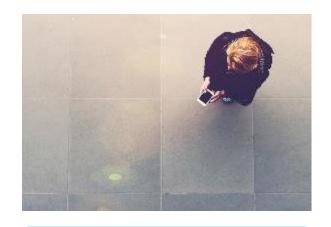


Reduction in Sales & User Satisfaction

- Unsatisfied users expect mobile ticketing to be available
- Users choosing alternatives out of convenience e.g.
 rideshare



Commuters: Challenges Today



Complex Fares



- No prior knowledge of user
- Fare decision made before trip starts



Confusing Network

- Inherently confusing tunnel network without a map
- No consistent naming conventions for routes



Non-Realtime

 Key information (time, space, cost) is not available to users



Smart Cities build on Smart Transportation

Store



Open up for other services





























Personalization agent & channel - TopUp















100% end-customer reach



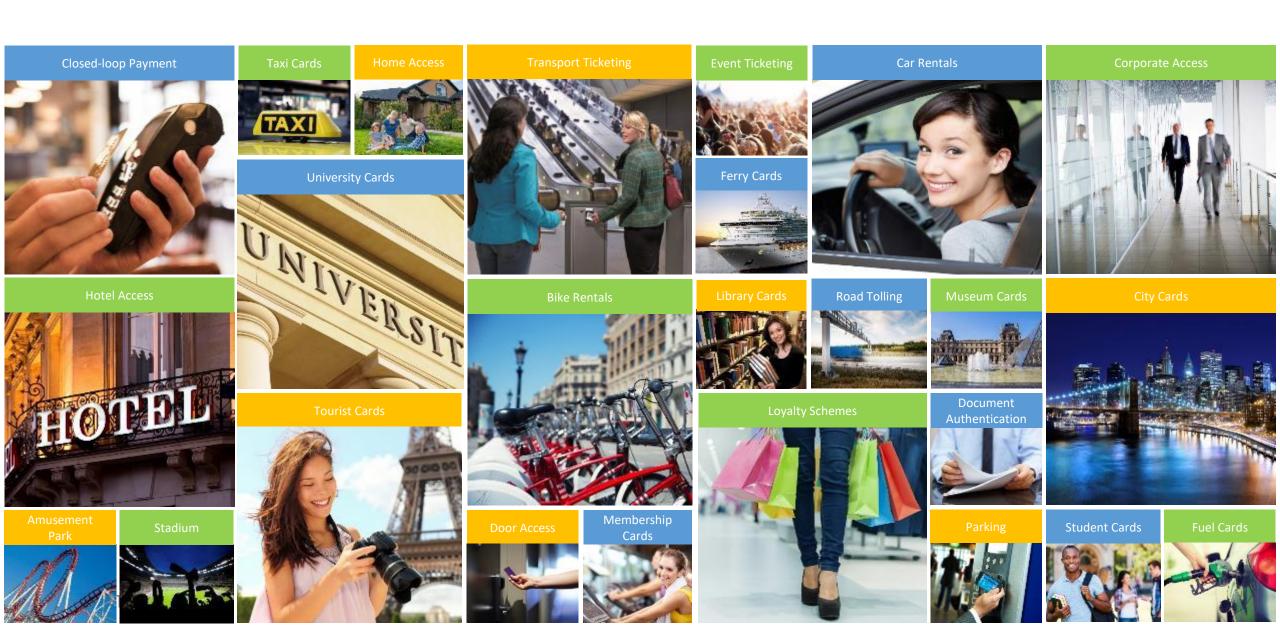
Market place to facilitate

collaboration



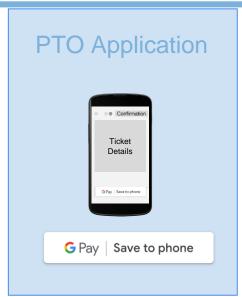
Credential Issuer

Our cloud platform serves many different applications

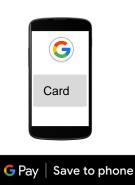


Meet the user where they are today









Google Pay



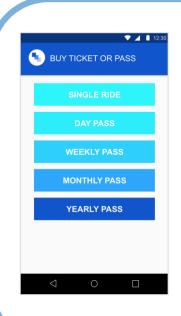
G Pay | Save to phone

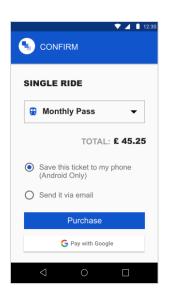
Digital ticket vending machine using mobile phone

Instant issuance into your mobile wallet

6

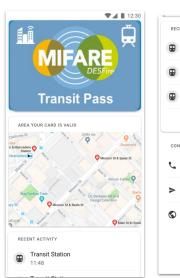


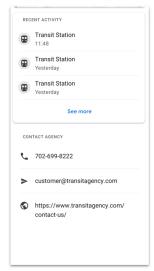










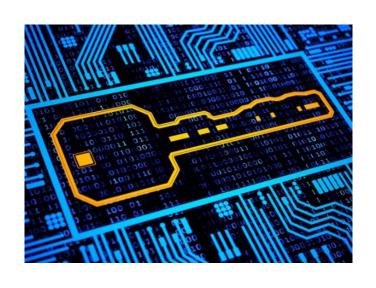


Make the right technology choice

Enabling Smart City Ecosystems







Flexible technology

Continuous innovation

Security

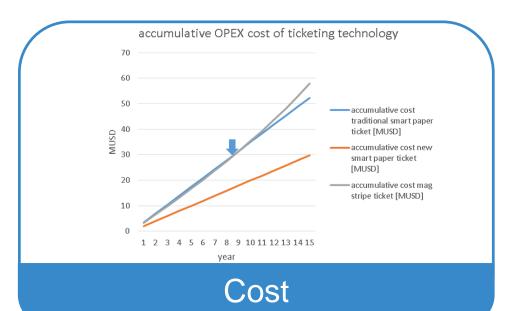




Speed



Ease of use







Customer ownership?



SECURE CONNECTIONS FOR A SMARTER WORLD

Benefits

- ✓ New Business Models
- ✓ Sustainable Technology Growing with your Smart City
- ✓ Flexibility & Ownership
- ✓ Payment Provider of Choice
- ✓ Service Partner Network
- ✓ Enabling Regional and Countrywide Deployments



THANK YOU! VISIT US AT BOOTH # D28

ANDRE.PERCHTHALER@NXP.COM

