



IBTTA Workshop

- Interoperability: The Portuguese Case Study -


accenture

High performance. Delivered.

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INTEROPERABILITY

FOR USERS ...



- FACILITY
- CONVENIENCE
- FAST
- EASY

FOR BUSINESSES ...



- GROWTH
- SINERGIES
- DIVERSIFICATION
- PROFITABILITY

Electronic payment accepted on all toll roads

+

Electronic payment for additional services and public transports



Car Parking



Gas Stations



Access Control



Street Parking



McDrive



Public Transports

What about interoperability in Portugal?

Before 2010...

Traditional: Dual tolling system



Electronic Payment

With Contract



Manual Payment

Without Contract



Electronic payment controlled by a single entity

After 2010...

Multi Lane Free Flow



Electronic Payment

With Contract



Without Contract



**New operators and players
New ways to pay / new OBU (without a contract)**

Additional Services for Via Verde Clients



Car Parking



Gas Stations



Access Control



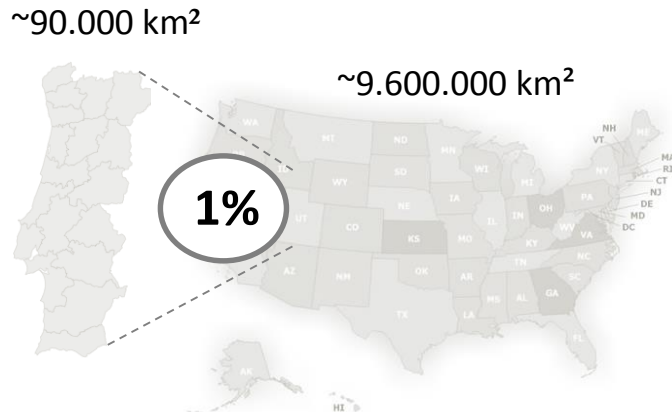
Street Parking



McDrive

How difficult it was to achieve interoperability??

**Was it easy because
Portugal is a small country?**



The answer is: No!

~3.500km of toll roads

More than 5 toll road operators

More than 4 public entities involved

No electronic license plate

Private contracts for additional services

How did it work for us?

Rules: Processual and Technical

Laws: Government engagement

Partnerships: private and public

**Business model: scale and cost
optimization**

**At the end, it is quite simple for
the end user!**



Next Steps

**Integrated eTicketing for
Public Transportation**



~90.000 km²

**European "Toll
Roaming"**



~4.200.000 km²

IBTTA 

International Bridge, Tunnel and Turnpike Association

DRIVING CHANGE SINCE 1932
