

**EasyWay**

Annual Forum 2010



**Shortcut to the future.**  
Lisbon • November 16<sup>th</sup>-18<sup>th</sup>

Management of HGV parking  
spaces on A10 motorway

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COFIROUTE





## Context

- Saturated truck parking lots
  - Numerous illegal parking
  - Safety issues
- Experimentation on A10 motorway: Briis-sous-Forges and Val Neuvy services areas
- Possible extension to all main service areas





## Objectives

- Stimulate HGV drivers to park on areas with parking availability – Optimise existing infrastructure
- Validate technology reliability
  - Measure available parking spaces
  - Display information on VMS
- Develop new communication strategies towards HGV drivers (VMS and radio)
- Offer a new service to HGV drivers
  - Anticipate difficulties in finding a space to park
  - Manage their pauses efficiently
  - Reduce safety issues



## Solution deployed: measure


- Count each space (no I/O counting)
- One sensor on each space
- Measure Earth magnetic field
- Communication: 868 MHz + GPRS





## Solution deployed: process

### Parking PL de Val Neuvy



Exploitation | Historique | Événements

**Occupé : 12   Libre : 23   Remplissage : 34.29%**




Situation du parking à la date du :   heure :

Occupé : 12   Libre : 15   Remplissage : 44.44%

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
18	19	20	21	22	23	24	25	26	27							






Occupé : 0   Libre : 8   Remplissage : 0.0%

28	29	30	31	32	33	34	35
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 place occupée  
 place libre  
 capteur absent

Maintenant

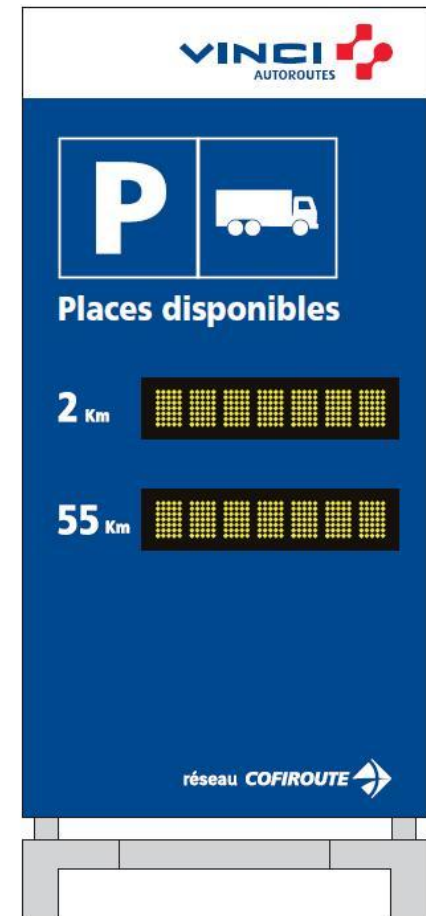
#### Etat des equipement

-  Système
-  PMV PL(pk60,350) : 23 - LIBRE
-  PMV PL(pk65,0) : 23 - (texte vide)
-  Flyserver sauvegarde
-  Flyserver local



## Solution deployed: display

- 2 dedicated lateral VMS
- Upstream of Val Neuvy services area
- Indicate the number of free parking spaces





## Evaluation

- Survey among HGV drivers and road hauliers
  - 100 drivers (60 French – 40 other countries)
  - 50 French freight operators
- Interesting project: 98% drivers, 94% operators
- Will use it: 84% drivers
  - >> Very positive
  - >> Strong expectations!



## Work in synergy

- Ongoing operation at ASF motorway company on the same topic
- On the long range: Continuity of service on A10 corridor





## Next steps

- Install remaining sensors on Val Neuvy parking lot: end of November 2010
- Install VMS: December 2010
- Beginning of experimentation with display of information: January 2011



# Thank you for listening

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