“GPS monitoring: interfacing with law enforcement”

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Freight crimes reported during last 12 months

- M6/Merseyside: Thefts from vehicles
- London/M25: "Round-the-Corner-Game"
- Malmo/Gothenburg: Hijack/robbery
- Frankfurt: Fake police, hijacking
- Czech/Polish border: Theft from vehicles
- Austria: Warehouse attacks
- North Italy: Trailer thefts
- South of Italy: Hijack
- Italian rail: Tobacco thefts
- Essex/Dartford: Fake police
- Rotterdam/Schipol: Hijackings, Fake police/Customs
- Luxembourg/Belgium: Theft from trailers
- North of Madrid: Trailer thefts
- Paris: Warehouse attacks, Fake police, CDG
- Marseilles: Theft from vehicles
- Genoa: Container Port Forged documents
- Greece: Illegal Immigrants
Analysis of Security devices deployed in vehicles

Source: IRU “Attacks on Drivers” Survey 2008
Telematics Security features – what is available?

- Where is it???
- Panic alarms
- Sensor-based surveillance (e.g. doors)
- Location/route adherence
- Stop/halt alarms
- Curtain slash alarms
- Tamper alarms
- Remote door lock/unlock
- Immobilisers
GE VeriWise™

Curtain sider with sealed air cord

- Reinforced curtain
- Door sensor
- Truck ID
- Brake controller
- Lock sensor
- Curtain seal

For Roller Shutter

For Barn Door

For Curtain-sider
Devices for 2009

- QinetiQ Ocellus
  - Being evaluated for embedded GPRS deployment
RESPONSE & MONITORING
Response is critical!

- Must have ability to respond..
- To any type of alarm
- In ANY country
- In ANY language
- With accreditation…and FAST
- Some use private response
EUROWATCH service delivered through:

- Network of accredited National Service Providers in any region of 40+ countries
- A dispatch room/driver can always call 1 number in their own language and access police in another part of Europe
- Integrates any GPS data from any telematics system providing “real-time” positioning to police
- At its core is a central website
- All partners speak English as common language
Service architecture

EUROWATCH Service Provider

EUROWATCH Subscriber

EUROWATCH CENTRAL

“Register Incident”

“View Incident”

Common Language

Police

(Police despatch response)

EUROWATCH
Incident Example

- **Subscriber**: German transport operator
- **Vehicles**: Schmitz Cargobull Trailers
- **Customers**: Include tobacco manufacturers
- **GPS**: Yes with door sensors, panic button, tamper, remote lock/unlock etc
- **Other security measures**: Driver “call ins” via mobile phones, in-house monitoring, hard sided, EUROWATCH
- **Cargo**: Tobacco €1m
Main message

- GPS/Tracking is now virtually standard
- Some have more security functionality than others
- Must ensure that alarms are being monitored
- Must have response capability
- Or else….what is the point?
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