THE CONSORTIUM

- M2M as basis for automotive systems
- Customer journey through Europe
- M2M applications for vehicles
- Why have a neutral platform architecture for M2M?
- Future vision
In 2020 the pan-European market for next generation mobile vehicular applications will reach €200bn p.a. This will be equivalent to today’s mobile communications market.

Due to the pan-European launch of e-call and road toll systems, a common and neutral technological basis is will be developed. This is our opportunity to achieve the same level of relevance as the GSM family for mobile communications.

A neutral and trusted application platform, will enable a large number of potential new services for automotive systems to be set up and launched.
Till now, a seamless, trusted and secure systems architecture for these services has not been available

A fundamental requirement is to

- prevent the misuse of private data, and
- avoid creating a “transparent vehicular user”
WE HAVE FORMED A CONSORTIUM

- to develop, launch and operate a *neutral* services platform for next generation M2M automotive systems and services
- to develop a terminal concept that is based on today’s mobile devices, and can be upgraded and maintained over the air via M2M
- to develop, test and certify the pan-European interoperability management of end2end-managed M2M services
- to develop, test and operate all necessary trusted service elements and billing facilities for M2M services
The structure of M2M business and services is completely different to the traditional mobile communications business. M2M means that the customer, application and mobile operator become one system. Such structures depend on neutral platforms.

The migration path from M2M business to Smart business follows mass market strategies and business rules.

The key to success for M2M business applications is the replacement of today's bottom-up business by customer-driven applications.

To achieve this goal, a seamless integration of technologies, services and application into one end2end system is essential.

The goal of our consortium is to achieve this through partnerships.
Our journey starts in a Frankfurt car park
We no longer need a parking ticket...

After 45 km on the A 31 motorway in France,
we no longer need to search our pockets for money to pay the toll...
At the entrance gate of the Pyrenean tunnel, we don't need to join the toll payment queue...

At Barcelona, we don't risk a parking fine, because we pay exactly to the minute with the help of our GPS positioning system ...
At the end of our journey, we drive straight into the car wash without having to buy a ticket...

At the end of the month, we pay one total bill for all services used and receive money back through coupons.
A neutral platform for next generation M2M services is mandatory. The introduction of trusted elements and services protects customers’ privacy and payments.

Source: Continental, G&D
Today, existing platforms for telematics services are proprietary and don’t meet customer requirements.

The M2M market for automotive applications requires a neutral, pan-European, integrated and seamless platform architecture.

The pan-European EETS (European Electronic Toll Services) services and applications must be integrated.

We will set up and operate a white-label and neutral B2B platform and sales architecture (technical service provider system).

This architecture will be prepared for the seamless integration of today’s customer services into new M2M applications.
REPLACEMENT OF TODAY’S SYSTEMS

Current national road billing systems will be replaced with…
REPLACEMENT OF TODAY’S SYSTEMS

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MANAGED M2M SERVICES PLATFORM

- Lifecycle management
- Operation
- Application management
MOBILE DEVICE UPGRADE TO M2M TERMINAL

- Lifecycle management
- Operation
- Application management
TRUSTED AND SECURE DATA TRANSMISSION

- Trusted user interface
- Trusted data transmission
FUTURE VISION OF FURTHER M2M SERVICES

Intelligent enterprise
- Supply chain
- Distribution
- Field force
- Smart enterprise management

Intelligent living
- Consumer electronics
- Leisure
- Smart home automation

Intelligent environment
- Smart cities
- Smart public transports
- Intelligent buildings

Intelligent services
- Mobile payment
- End2End services certification
- B2B mobile apps
THANK YOU FOR YOUR ATTENTION

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Thank you for your attention