

# COOPERS

**Cooperative Networks for  
Intelligent Road Safety**



**Project co-financed by EC**

# Content

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- Introduction AustriaTech
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# AustriaTech Company Presentation

## AustriaTech | facts

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- Foundation by January 2nd, 2005
- 100% ownership by the Austrian DoT
- Annual turnover ~1,4 Mio €, ca. 15 employees

## AustriaTech | objectives

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- Support the telematics initiative **ITS-Austria**
- Force the application of **telematics systems** in the Austrian transport network
- Initiate/ Manage EU R&D projects in the area of ITS
- Advise policy level: national, EU

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# COOPERS

## Cooperative Networks for Intelligent Road Safety

TASK 2.4.12 e-safety  
Cooperative Systems for Road Transport

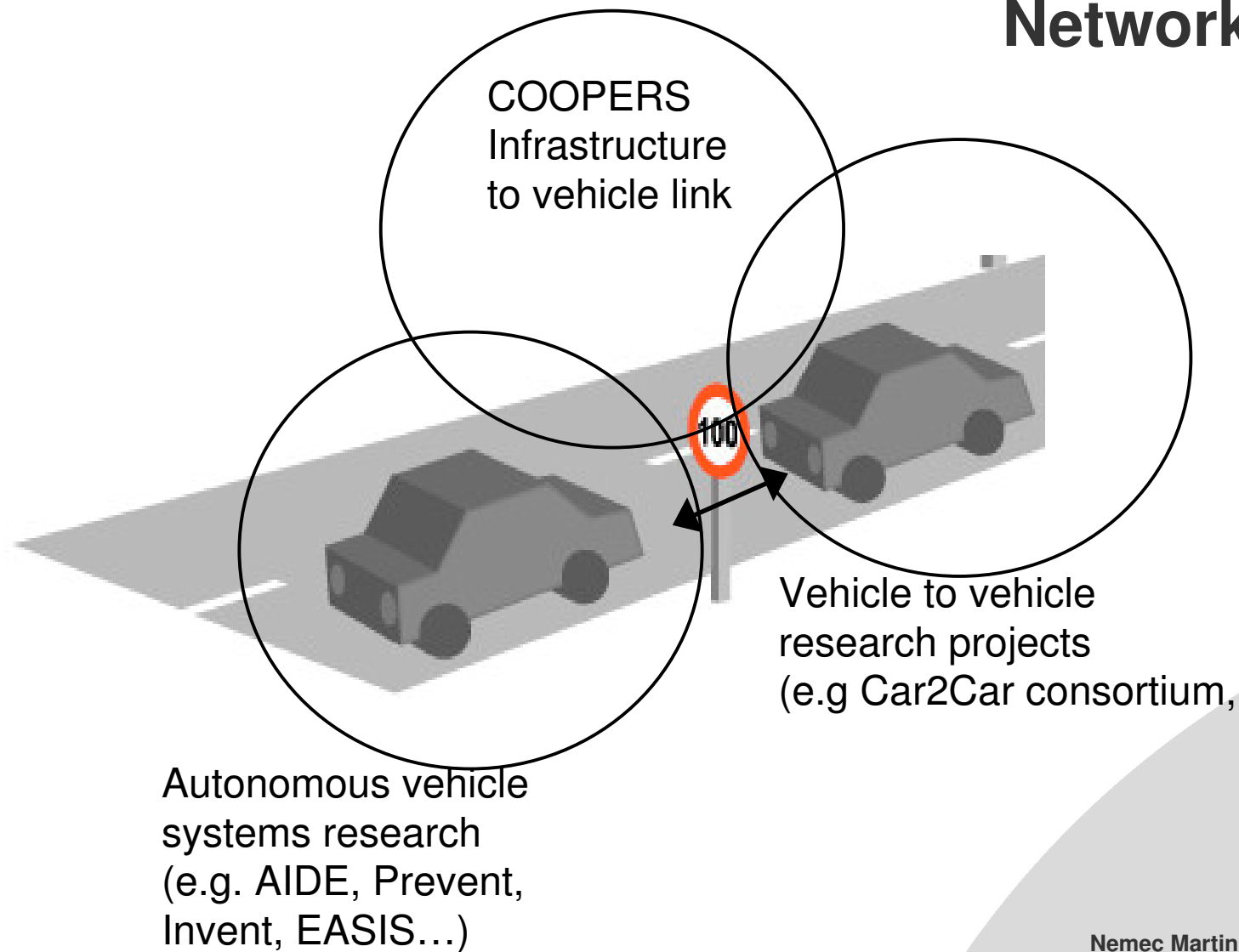
## COOPERS | facts

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- Submitted 4th Call IST, DG INFSO
- AustriaTech is Coordinator
- 38 Partners
  - 5 Motorway Operators
  - 13 Industry Partners
  - 8 Research Institutions
- Project budget: 18 MEURO
- Start 2/2006, duration 48 months

# COOPERS | views 1/2

## Network types





## COOPERS | views 2/2

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**data**

Responsibility – Liability (of s.r. data):

- The infrastructure operator
- The strategic traffic manager
  - Direct link to vehicles without 3rd party communication network operator
  - Only safety related
- Does not replace “individual route based” traffic information service providers

## COOPERS | objectives 1/4

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The proposal is based on the idea of convergent networks for car - infrastructure and infrastructure - car communication for seamless services along the travel chain

## COOPERS | objectives 2/4

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For drivers:

- Local traffic jam alert with video pictures (tactical traffic information)
- in-car display and alert of area-specific speed limits
- Selective traffic jam warning and guidance based on current traffic situation on highway segments
- Short term ETA (Estimated Time of Arrival) based on current traffic situation on the road network

## COOPERS | objectives 3/4

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For road network operators:

- Dynamical interaction with locally changing transport demands
- Distribution of safety related information directly to the vehicles in the related road segment (tactical traffic information)
- Enhanced traffic management based on FCD (Floating Car Data)

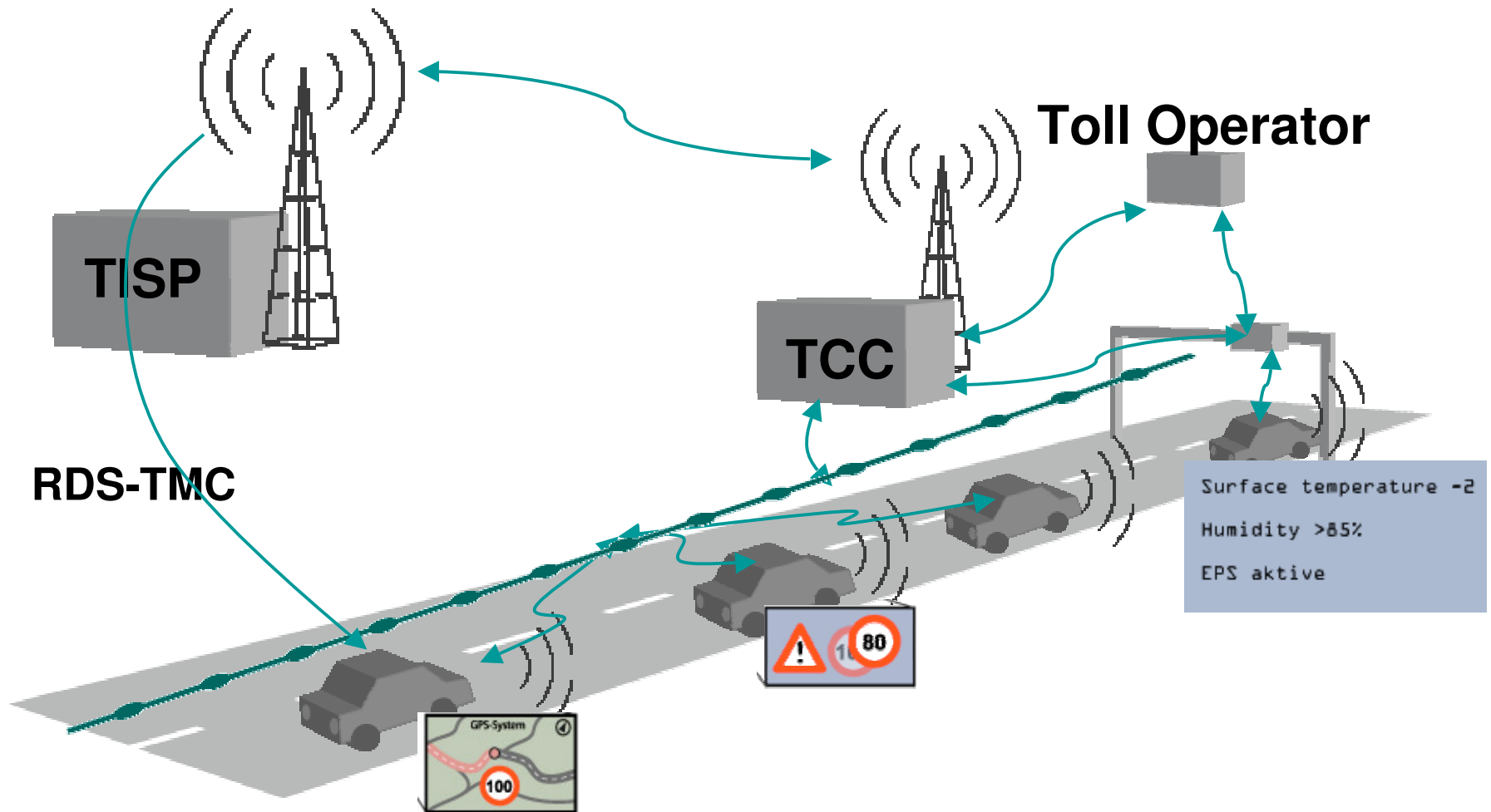
## COOPERS | objectives 4/4

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For road network operators:

- Safety related traffic information for drivers, speed and distance guidance
- Data exchange between motorway operators for international seamless service handover
- Common development of transport flows monitoring and information exchange on European Corridors

# COOPERS | long term vision

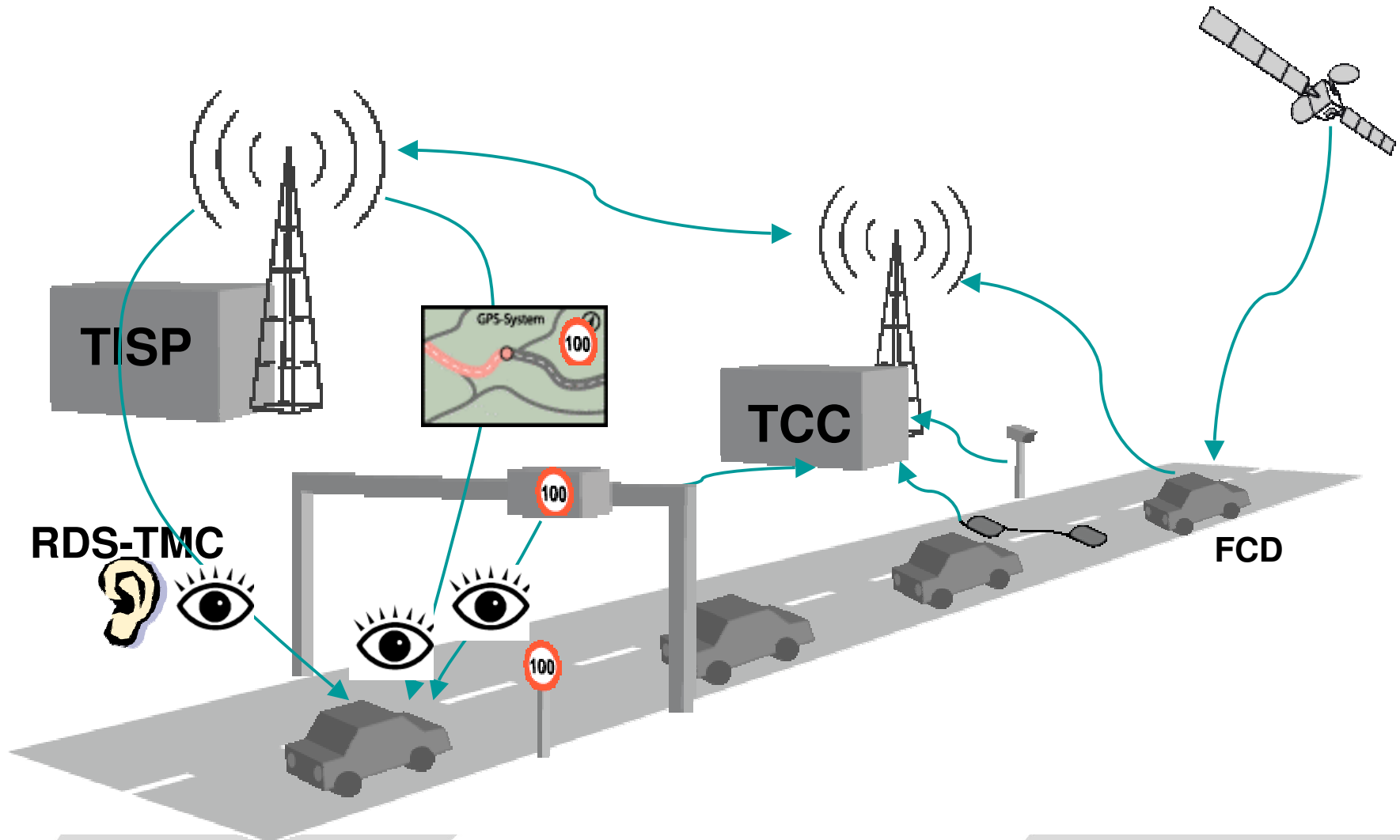


## COOPERS | programme

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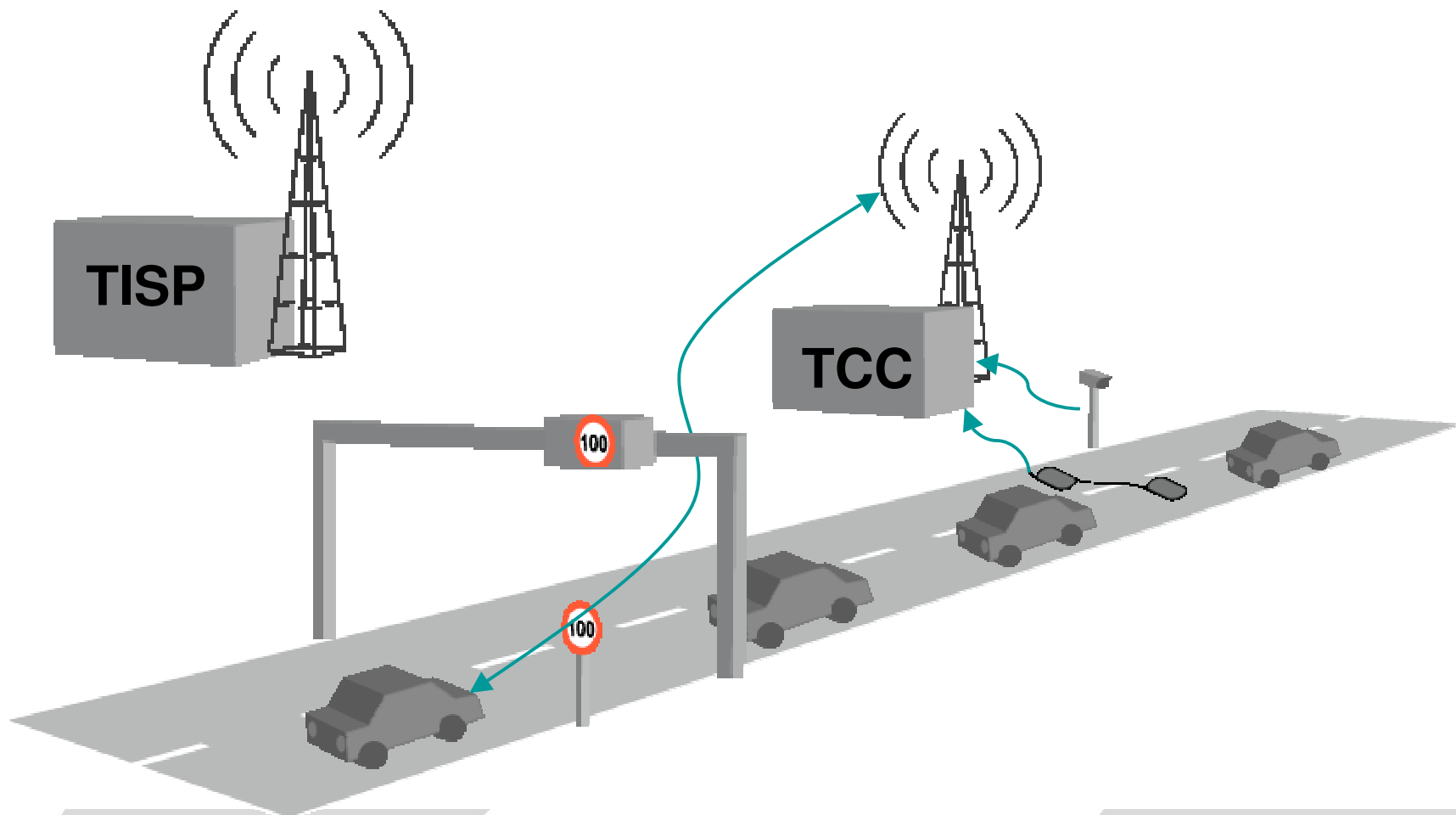
The results of the project will be elaborated in a **3-step implementation-concept** with analysis, definition and demonstration included on each step of network integration, and evaluated against a defined common set of parameters regarding road safety.

# COOPERS | programme

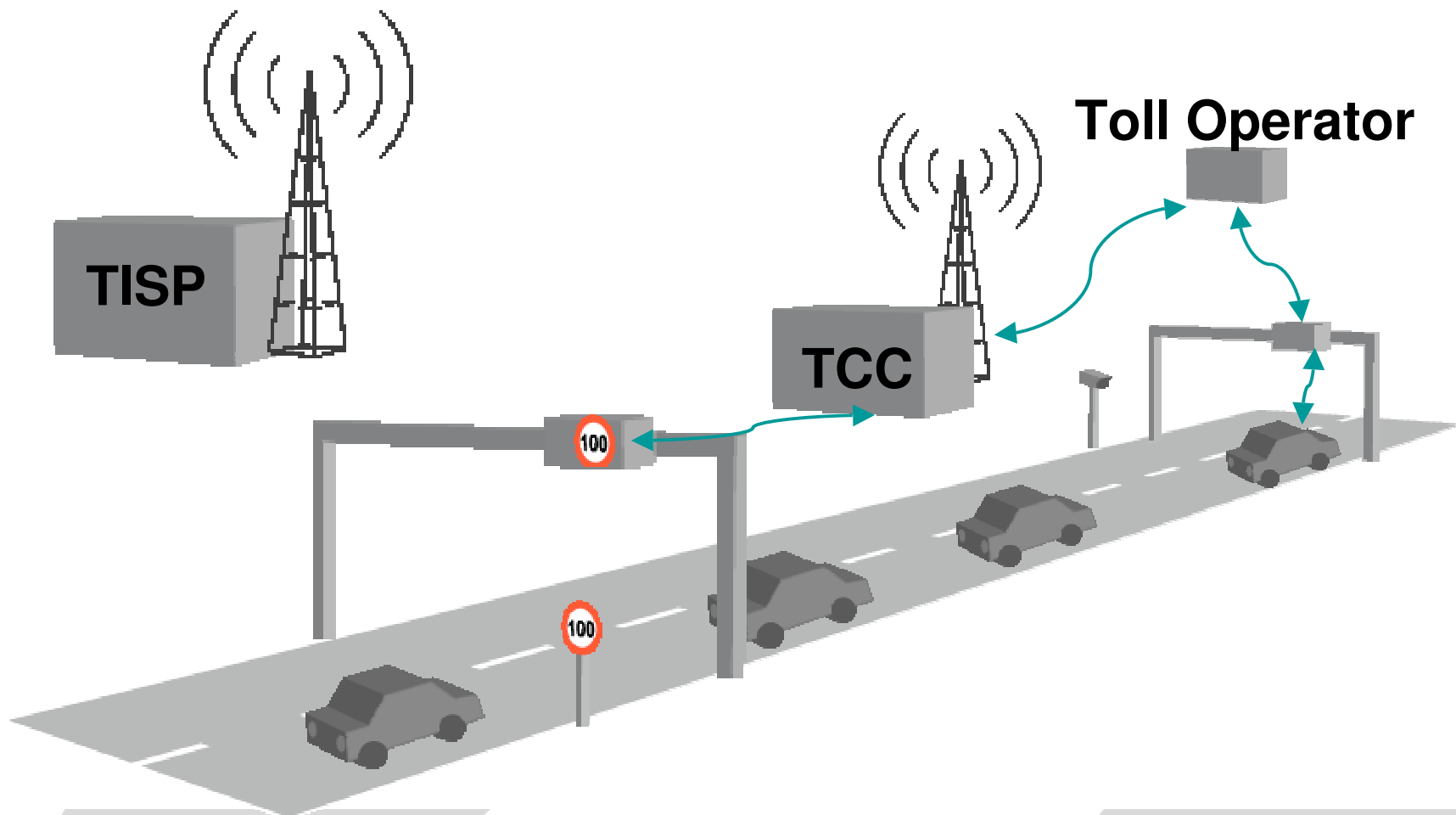




# COOPERS | programme

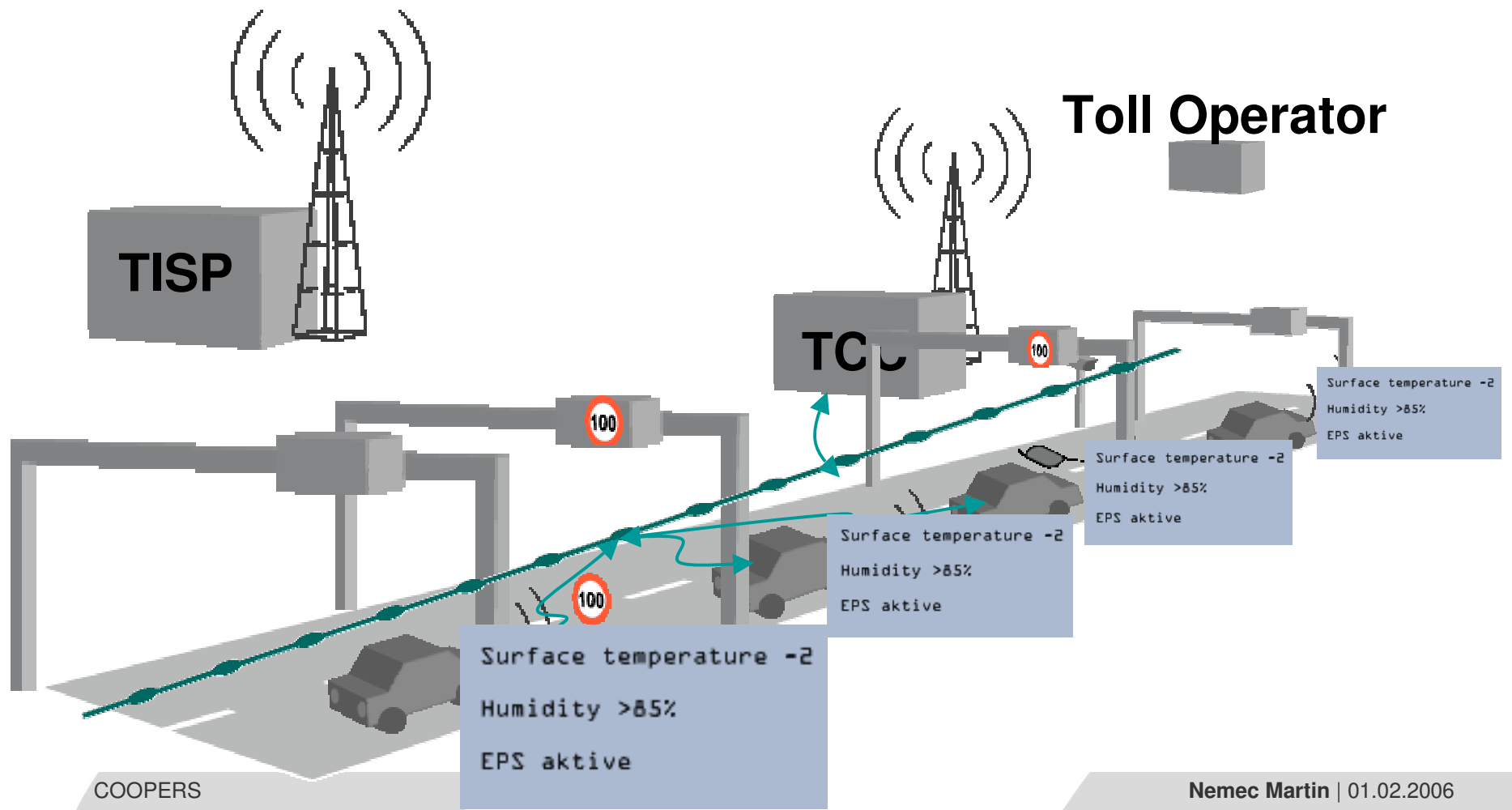


# COOPERS | programme



# COOPERS | programme

## Toll Operator



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