# HIDENETS --
## HIghly DEpendable ip-based NETworks and Services

## Project Overview

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# HIDENETS data

- IST 026979 "HIghly DEpendable ip-based NETworks and Services" – HIDENETS
- Proposal for a STREP submitted at the 4th call of the VI Framework (March 2005)
- Approved Oct. 2005
- Project started January 2006
- Duration 36 months
- Cost 3.59 Meuro -- EC Contribution 2.5 Meuro
- Web page: http://www.hidenets.aau.dk/
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# HIDENETS Goals

- Develop and analyze end-to-end resilience solutions
  - for scalable distributed applications and mobility aware services
  - in ubiquitous communication scenarios
    - Typical use-case: car2car communication with server-based infrastructure
  - assuming highly dynamic, unreliable communication infrastructures
- Expected results:

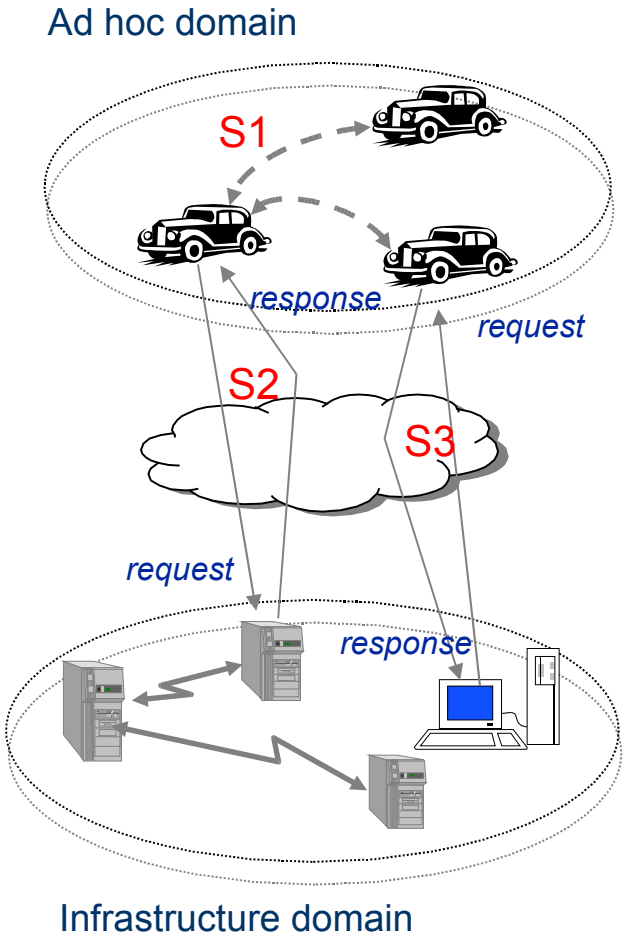
  **architectural and design solutions, tools for development and analysis for end-to-end system level resilience and dependability based on standard off-the-shelf components in wireless communication networks and infrastructures**
- Measures of success
  - proof-of-concept prototype, analytic and simulation models
  - Training material and contributions to standardization organizations

# HIDENETS Scenarios

- Challenges/properties of HIDENETS service provisioning
  - Dynamically changing communication characteristics in ad-hoc domain and in connection to infra-structure services
  - Off-the-shelf, standard systems and components in both domains
  - Services with high dependability and scalability requirements

→ Selected use-case of ad-hoc car-to-car communication with connectivity to infra-structure services

**HIDENETS solutions also applicable in other, related scenarios, including Personal Area Networks and cellular networks with ad-hoc coverage extension.**



# Consortium

Total nine partners from eight different countries

Industry:

Carmeq (GER), FSC (GER), WMC (NL), Telenor (NO)

Academia/research institutions:

AAU (DK), BME (HU), LAAS (FR), Uni-Fi (IT), FCUL (PT)

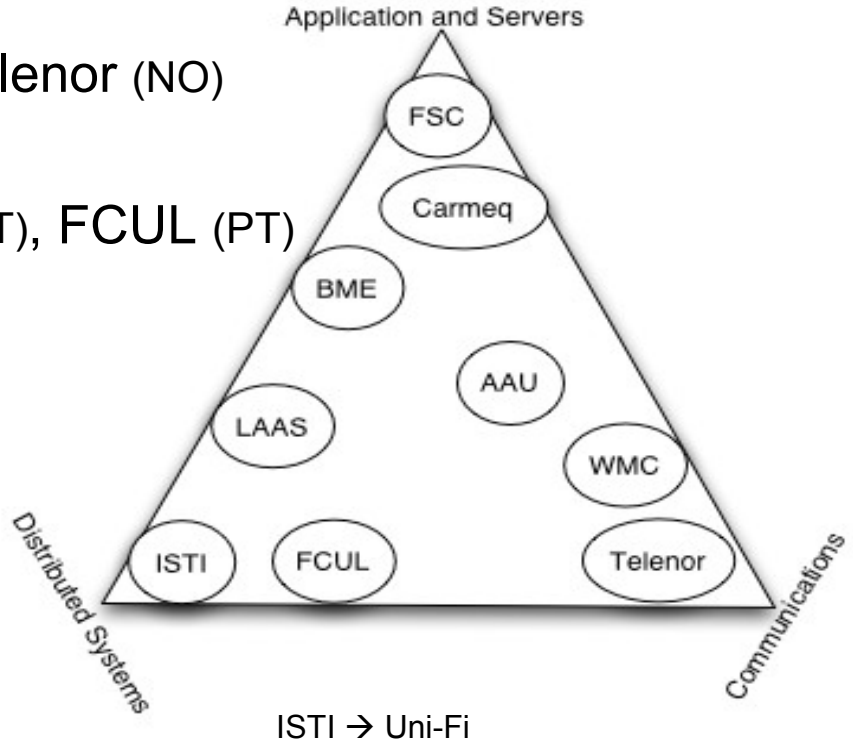
Covering the three areas

**Distributed Systems**

**Communications**

**Applications and Servers**

Additional involvement of other companies via advisory council




ISTI → Uni-Fi

# Advisory Council

## Additional 6 organizations involved

## Role:

- Feedback on results and research directions → quality assurance
- Stronger exploitation and dissemination
- Fine-tuning & adjustment of strategic project directions

## Members:

- Mobile Equipment Vendors:
  Nokia (Francis Tam), Siemens COMMN (Robert Seidl)
- Mobile Operators: France Telecom (Chidung Lac)
- Automotive Industry Renault (Gerard Segarra), Intecs (Paolo Coppola)
- Car-2-car communication consortium BMW (Hans-Joerg Voegel )

# Project Overview and Workpackages

## Structuring of Work