

# Who are we?

## FOKUS

Fraunhofer Institute for  
Open Communication Systems

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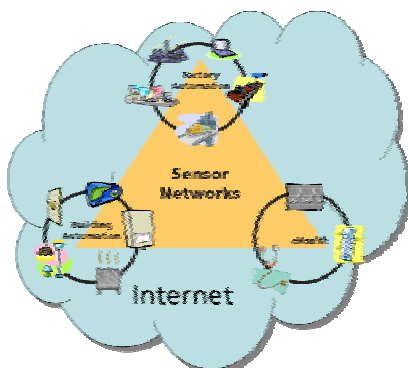


- Fraunhofer Society was founded in 1949 in Munich and has by now become the biggest organization for applied research in Europe
  - with 58 research institutes
  - a staff of approximately 12.500
  - 1 Billion €Budget
- FOKUS was established 1988 in Berlin
- FhI- FOKUS has 230 employees: scientists, technicians, administrative staff, students
- Thomas Luckenbach is networking specialist leading the competence center „Smart Environments“

AAL Information Day, Brussels, 30th of January 2006

Dr. Thomas Luckenbach

# Proposal: Adaptive Sensor Networks



- **Sensor Networks Expertise**
  - Technologies and Testbed (Intel, Motorola, Xbow, 2.4GHz ZigBee)
  - Applications (vehicular networks, home care & automation)
  - Protocol developments: ad hoc networking, auto-configuration)
  - Network integration aspects (e.g. UPnP & sensor networks)
  - personalized (U-centric) services for individual user (context&profile mgm.)

## Future Topics:

- Wireless sensor networks for daily life (requirements, scenarios, middleware)
- Development of “intelligent objects” based on sensors&actuators/RFID/NFC
- User and object tracking (indoor and outdoor)

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