

DECOS

Dependable Embedded Components and Systems

Objectives

DECOS aims at alleviating the identified five key obstacles to the deployment of advanced electronic functions in embedded systems. These are:

- Electronic Hardware Cost
- Diagnosis and Maintenance
- Dependability
- Development Cost
- Intellectual Property Protection

Expected Results

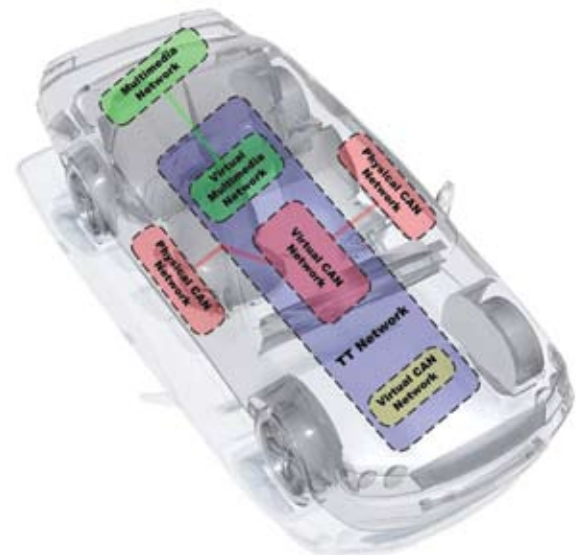
The intent is to provide an integrated distributed execution platform supported by:

- Tools for Design, Development, Deployment, Validation & Verification
- Diagnostics infrastructure
- Prevalidated hardware and software components
- Basic software building blocks

Benefits

Cost reductions are expected for:

- System Development & Integration
- Validation and Certification
- Maintenance
- Hardware and Software



Application Areas

Demonstrators are within the areas:

- Automotive
- Aerospace
- Industrial Control

Further application areas targeted are:

- Medical Systems
- Mechatronics
- Autonomous Systems and Robotics

Project Participants

Airbus, ARC Seibersorf research, Audi Electronics Venture, Budapest University of Technology and Economics, Centro Ricerche Fiat, EADS, Esterel Technologies, Hella, Infineon, Liebherr-Aerospace, Profactor, SP Swedish National Testing and Research Institute, Technical University Darmstadt, Technical University Hamburg-Harburg, Thales Avionics, TTTech Computertechnik, University of Kassel, University of Kiel, Vienna University of Technology

Project website

www.decos.at

Budget

Total cost: 14.3 M€
Funding 9 M€

Time table

Starting date: 1 July 2004
Duration: 36 months

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