

**Project title:** System for Mobile Maintenance Accessible in Real Time

**Start date** : 01.11.2005  
**End date** : 31.10.2008  
**Duration** : 36 months  
**# of Partners** : 24

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**Partners (Industrial, SME, Institutes):**

Universities, research instituts and industry partners from 10 european countries. =>

2MoRO SAS (F) - 2MoRO SPRL (B) - AVONWOOD (GB) - CAM GmbH (D) - CEA List (F) - EHM (GB) - ESTIA (F) - Univ of Stuttgart (D) - FRAUNHOFER (D) - MICROTURBO (GB) - M & M (PL) - ROBOTIKER (E) - TDM (F) - THALES COM (F) – THALES TRT (F) – TURBOMECA (F) – TRICON (A) – Univ Milan Bicocca (I) – VOLVO (S) – SGH (PL) – TELETEL (G) – SNECMA Services (F) – EUROCOPTER (F) – MIK MCC (E)

**Project objectives:**

The project "System for Mobile Maintenance Accessible in Real Time (SMMART) aims at defining a new integrated concept to answer the maintenance challenges of the transport industry – aeronautics, road transport, marine transport:

It will help to reduce the time and cost for scheduled and unscheduled maintenance inspections of increasingly sophisticated and complex products.

SMMART wants to remotely provide the adequate up-to-date information to assist the mobile workers in all their tasks wherever they operate, also minimising the cost penalties of unscheduled downtime on large transport fleets. Lastly, SMMART aims at offering new services for the maintenance of vehicles in order to simplify and secure the exploitation.

**Project description:**

Capture usage and installation data on equipment with smart tags and exploit data for optimisation of maintenance and equipment availability:

- Real time vision on status and installation of equipment for all actors involved
- Build-up of knowledge to be used for more efficient maintenance and (re-) design
- Enhanced troubleshooting tool
- Enhanced configuration control
- Worldwide maintenance planning
- Decrease reaction time in “crisis scenarios”
- Logistical tracing & tracking of equipment when not installed on vehicle
- Remote access to data “in the field”

**Field of Application:**

Targeting at Aeronautics, Road and Marine Transport, but also extendable to other fields like elevators and escalators, windmills, micro power stations