

## SMMART partners



Future SMMART  
partner:



# SMMART

System for Mobile  
Maintenance

## System for Mobile Maintenance Accessible in Real Time

The SMMART integrated R&D project was launched in November 2005. It is planned to run for 3 years with an overall budget of around 25 millions €, co-funded by the European Commission. Coordinated by Turbomeca, the project involves 27 companies and institutions from across Europe.

### SMMART Overall Objectives

The SMMART project aims at defining a new integrated concept to answer the maintenance challenges of the transport industry – aeronautics, road transport, marine transport:

- To **reduce the time and cost for scheduled and unscheduled** maintenance inspections of increasingly sophisticated and complex products.
- To **remotely provide the adequate up-to-date information** to assist the mobile workers in all their tasks **wherever they operate**.
- To **minimise the cost penalties of unscheduled downtime** on large transport fleets.

### SMMART Contacts

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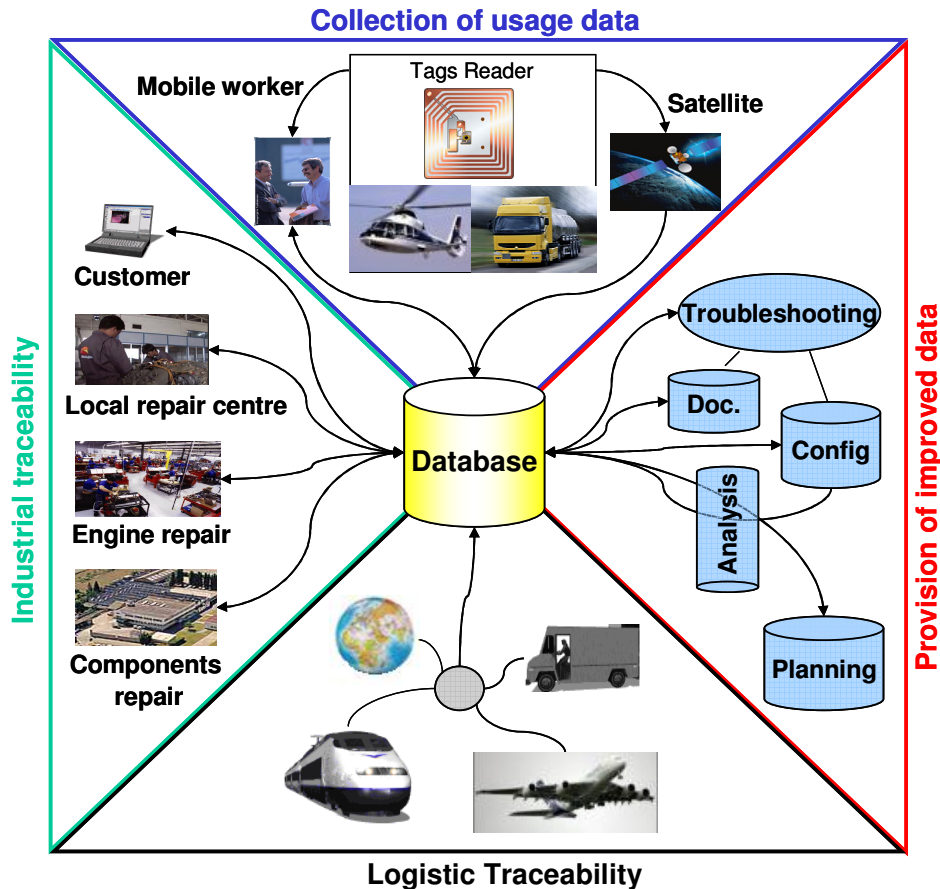
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# More about SMMART

## SMMART Concept Overview



## SMMART Project Key Challenges

To monitor in **real-time** the usage and maintenance data **throughout the life-cycle** of critical sub-assemblies of a vehicle.

To **optimise maintenance management** through a worldwide network.

To provide **new services**: advanced troubleshooting tool, global configuration control, resource planning tool.

To **remotely exchange information** between all life-cycle stakeholders in a **timely, secure and trusted environment**.

To provide **end-to-end visibility** of the logistic supply chain.

To improve **industrial and logistic traceability**.

To optimise **maintenance and logistic planning**.

To further improve **transportation safety**.

## SMMART Technical approach

The technical approach of SMMART is based on the combination of:

- **Smart items** capable of operating and communicating wirelessly in the **harsh environment** of a vehicle's propulsion unit.
- **Re-engineered business processes** addressing technological, organisational and social aspects to support the SMMART concept implementation within the end-user community.

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