

# OASIS.

## OPERATION OF SAFE, INTELLIGENT AND SUSTAINABLE MOTORWAYS

### *Financing:*

This Project has received financing from the Ministry of Industry, Tourism and Commerce (MITYC) through:

- Announcement of aid: National Programme of public-private cooperation. Year 2008.
- Subprogramme: Creation of strategic national consortiums of technical research (CENIT Programme).
- Duration: 2008-2011.



### *Participants:*

With the purpose of achieving the maximum scientific level in the project and aligning its scientific-technical objectives with the CENIT programme, a consortium of sixteen companies has been established under the legal structure of AIE, led from the groups ACS and OHL. Additionally, there is collaboration with fifteen research bodies.

#### **Companies**

SICE, Dragados-Iridium, Dragados, Geocisa, OHL Concesiones, OHL, Abertis, Indra, GMV, Asfaltos Augusta, Hidrofersa, Siegrist y Moreno, PyG Estructuras Ambientales, CPS Ingenieros, AEC (Spanish Road Association), Torre Comares

#### **Research Centres**

Transyt (UPM-ETSICCP), UPM-ETSIT, UPM-ETSI Agrónomos, CIDAUT, Lisitt (UPV), CENIT, INTROMAC, CARTIF, CEDEX, Universidad de Cantabria, Universidad de Murcia, Universidad de Valladolid, UPC, European Soft Computing

### *Summary and objectives:*

The main objective of project OASIS is to define the motorway of the future; the one that, in its operation, will present levels of safety, user service and sustainability that are differentially superior.

This project aims to lay the foundations for the design of the motorway of the future and it will be supported with research and technological innovation, and the efforts in research will be oriented to improve the features in three fundamental areas of high value to society: Service, Safety and Sustainability.

Project OASIS will undertake the concept of the motorway from a global perspective, so that all the phases of its life cycle are taken into account, although paying special attention to the exploitation phase due to its greater weight.

For its development, nine lines of work have been defined, each of them led by one of the main associated companies. The project encompasses different fields of research, where safety, user service and sustainability are its great horizontal axes, and with a group of lines of action, most importantly: the design of new construction processes, the study of the environmental interactions of the infrastructures, the use of the most modern information technologies and communications for the development of new and advanced management systems, as well as the providing of novel services to the user.

