

Ref no	Project title		LANDING: GIS S/W TECHNOLOGY FOR THE LANDING OF A SMALL – MEDIUM AIRCRAFT ON A SMALL – MEDIUM AIRFIELD					
Name of legal entity	Country	Overall contract value (€)	Proportion carried out by legal entity (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of consortium members, if any
	Greece	400.000,00	100%		European Commission,	European Commission,	12/2006 06/2009	
Detailed description of project						Type and scope of services provided		
LANDING delivers a low-cost software product (SW) assisting pilots of small-medium aircrafts to safely land on a small and poorly equipped fields, under bad-weather and low-visibility conditions. The SW guides the pilot during all three stages of landing: (1) The first approaching stage (phase) in the wide area of the landing field, (2) The final approaching stage (phase) within the field vicinity (tunneling phase), (3) The runway landing stage (phase). As such, LANDING offers integral SW technology at pre-industrial level as an add-on for safety to existing aircraft avionics.. LANDING integrates seven SW and data components: (1) The geo-referenced position of the aircraft with the use of satellite and other data, (2) The Stage-1 SW, based on input of digital information of the ambient space; available through commercial of-the-shelf (COTS) 3D digital maps, satellite data and elevation data, (3) The Stage-2 SW, based on medium resolution input of the larger field vicinity, (4) The Stage-3 SW, based on high resolution 3-D GIS data including all obstacles as input of the closer field vicinity (5) SW for the integration of the above components, providing the aircraft position within the digitally represented space, (6) 3D representation SW of the integrated flight guidance information on the hardware (HW), and (7) The 3D airport digital COTS database.						The LANDING components run on COTS HW on-board, namely: (1) Portable or panel mounted computing equipment with capacity for fast rendering, and (2) Display for 3D visualization. The 3D terrain and other airport of field or terrain data will be pre-installed on the HW. The SW is based on European technologies, is platform-independent and cost affordable. Hence, LANDING is primarily addressed to commuter or business aircraft with up to 20 seats, hydroplanes and helicopters. The consortium will complete LANDING up to application and dissemination level in this market sector by a coherent project management of all technical work packages with the dissemination plan. The cost of the final product (HW, SW, data) will be < €15.000/unit/aircraft.		
 								