

Would you like us to try to find interested companies with your projects ideas, please send us a short project abstract (by the 7th October) which we will display on this webpage under the match-making section.

The match-making concept is only designed to help you to find partners, a coordinator, technology,...

This webpage can be found at: <http://www.aeroportal.eu/ap3callfp7workshop.html>

Project Ideas	
Proposers of the idea:	National Aerospace University " Kharkiv Aviation Institute" named by N.Ye.Zhukovskiy
Type of Organisation: (SMEs, University, Research Center,...-	University
Call identifier:	FP7-AAT-2010-RTD-1
Topics called:	AT.2010.6.3-3 Personal air transport systems
Funding Instruments:	CP-FP (Small or Medium scale focused research) <input checked="" type="checkbox"/> CSA-CS (Coordinating) <input type="checkbox"/> CSA-SA (Supporting) <input type="checkbox"/>
Project Title:	Family/business autogyro with " jumping" take-off and vertical landing as a future personal air transport system foundation
Project objectives:	Personal aerial vehicle: - low-cost - environmentally friendly - easy-to-operate - 3-4 passengers - "jumping" take-off - vertical landing
Project abstract: Be concise! Avoid abbreviations (Max. 3000 characters incl. spaces. Any exceeding words will be discarded.)	Today the mostly used personal vehicles are small airplane and helicopters. In comparison with these vehicles autogyro has strong advantages: low fuel consumption (as against helicopters), increased safety due to windmilling effect (as against airplane), high manoeuvrability, ability to land on any surface and small overall dimensions. However, autogyro wide spreading restrains by takeoff run (even very short) necessity. Therefore FREE-AIR project objective is development of low-cost (price will be comparable with average car one), environmentally friendly, easy-to-operate cabin autogyro for 4 passengers with " jumping" take-off and vertical landing. To ensure vehicle " jumping" take-off we propose to pre-rotate an autogyro rotor by torque transmission from the engine or by jet rotation using.
Project structure (WPs, duration,..) *	To achieve project overall objective the following work packages assumed: 1. Analysis and efficiency assessment of existent design solution for vertical take-off 2. Development of novel conception for autogyro " jumping" take-off and relevant systems design 3. Fuselage and primary systems design 4. Prototype manufacturing and ground testing 5. Autogyro manufacturing, flight testing and certification
Estimated budget *	
Project Coordinator	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
What are you looking for (a coordinator, partners, technology, other,...)? Please specify.	We are looking for: 1. Project coordinator 2. Partners interested: Universities, R&D organizations, small airplanes manufactures (including SMEs)
The person identified above confirms that the data provided in this form are correct and that permission is given to publish this data in the MatchMaking table located in the Workshop page.	Yes <input checked="" type="checkbox"/>

* Not Mandatory