



## AIRPLANE PROPELLER MOVED BY THE PRINCIPLE OF ELECTROMAGNETIC INDUCTION

<b>Project title</b>	Testing, prototyping and production of electrically powered aircraft with high safety and energy efficiency	
<b>Sector</b>	Innovation - Aerospace industry and Electronics	
<b>Project status</b>	Business idea, National patent application	
<b>Project description</b>	<p>This project proposes a new innovative approach for propellers powered by electric power. In comparison to the existing solutions of the helicopter this innovation offers:</p> <ul style="list-style-type: none"> <li>• Maximum possible flight safety because the number of rotary parts is reduced to a minimum</li> <li>• Ease of management</li> <li>• Autonomy of the flight of 2 or more hours with one battery charge</li> <li>• A very small parasitic load since aircraft does not have heavy gear units like the classic helicopter drive, power shafts on the tail rotor, and the mass of the devices that are needed on ordinary helicopters to fly</li> <li>• Silent work and slight vibration during the whole mode of aircraft operation</li> <li>• The ability to quickly integrate components into existing helicopters. In this case the platform on which the device is introduced, is the body part of the company's Bell Helicopter model UH-1 Iroquois.</li> </ul>	
<b>Estimated total investment cost</b>	1 600 000 EUR	
<b>Inputs provided by local partner</b>	2 000 EUR Preparation of patent documentation and registration expenses	
<b>Inputs required from foreign partner</b>	1 400 000 EUR Prototype design, testing and commercial manufacturing	
<b>Form of cooperation with foreign partner</b>	<b>Financial</b>	<b>Technical</b>
	Joint venture - License Selling of patent	Technical support for phases of development and testing
<b>Supporting information available</b>	For additional information about this project, please contact FIPA either by e-mail: <a href="mailto:fipa@fipa.gov.ba">fipa@fipa.gov.ba</a> or phone number: +387 33 278 080.	