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## Selected Remarks about Smart AEROVAN as a Candidate for L2 Project

FP7 topic AAT call at 2011

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General Aviation and European Air Transport System - Third Call FP7

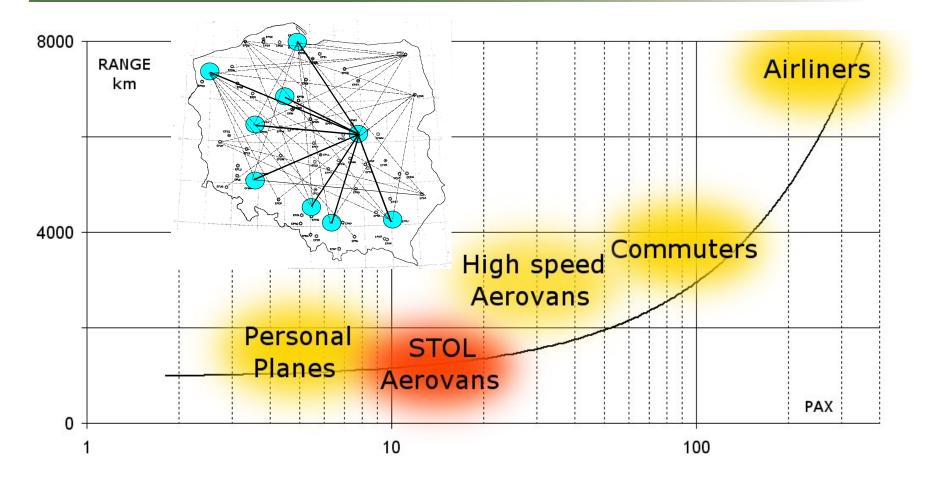


## Outline of presentation

- 1. Role of AEROVAN in passenger transport system
- 2. Motivation for integrated project of AEROVAN class
- 3. Overcoming the weaknesses of current configurations
- 4. Consortium
- 5. Structure of the project

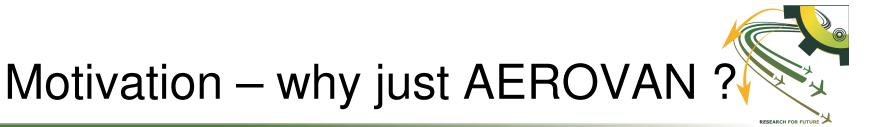


# Components of the passenger air transport system



Z.Goraj, Smart AEROVAN Concept





- In the past the producers of large airplanes, helicopters and engines were supported with European money in their research to become world leaders. *Now it is time for change!* - new member states must play more important role in the category of short range aircraft of lower capacity;
- 2. AEROVAN L2 might be a downstream RTD, multidisciplinary, focused on integration and validation at system level project;
- 3. AEROVAN L2 project might bring together partners from all of the Europe industry, research organisationn and academia with the essential role of new member states: Poland, Czech Republic, Romania etc;
- 4. The so-called Flexi-Bird tool (scaled, flying model) could be used as a proof-of-concept (this tool was developed within NACRE project);



### Multidisciplinary optimisation at system level - overcoming the weaknesses of current configurations





## Potential partners in the consortium

Universities

- 1. PW (Warsaw University of Technology) Poland 2. BUT (Brno University of Technology) 3. CUA(Cranfield University Aerospace Engineering) Stuttgart University Germany 4. Industry 5. Hoffmann Germany 6. Grob Germany 7. Piaggio Aero Industries SpA Italy 8. SOCATA France 9. IAI Israel 10. BIRD Israel **Czech Republic** 11. Aircraft Industries (former LET Kunovice) 12. PZL-Swidnik Poland 13. SAGEM France **Research Institutes** 14. ARA, Aircraft Research Association Ltd. United Kingdom 15. IoA (Institute of Aviation) Poland 16. VZLU (Vyzkumny a Zkusebni Letecky Ustav) Czech Republic 17. ONERA France
- 18. NLR

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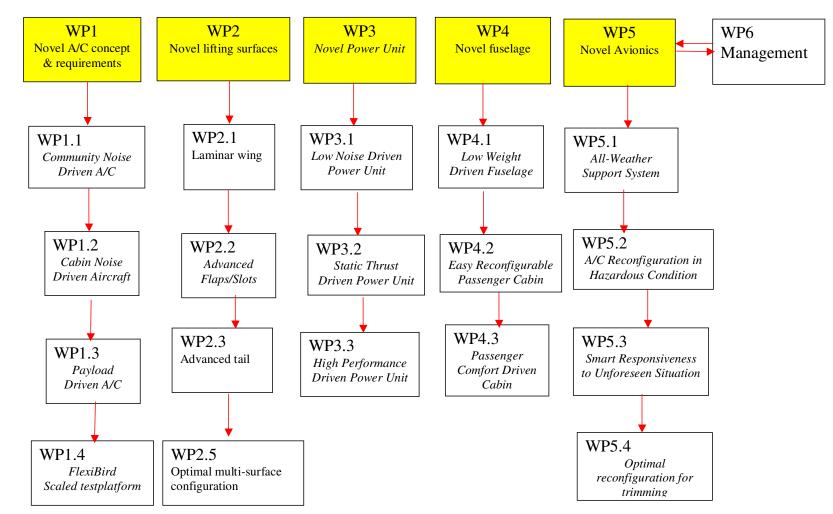


Netherlands





#### Draft scheme of the WP-ies in the AEROVAN L2 project



SEVENTH FRAMEWORK

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