

PRESS RELEASE

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Subject: ADVITAC, an FP7 project

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Aerospace: Equipment and services supplier DAHER is managing the "ADVITAC" project, a European FP7 project for the creation of a "Plug & Play" tail cone for business or regional aircraft

ADVITAC: ADVanced Integrated TAIL Cone

The ADVITAC project consists of developing a composite material tail cone with the innovative concept of completely integrating the systems within it, including the APU (Auxiliary Power Unit) and the fire detection and extinguishing systems.

DAHER's "Research and Technology" policy is based on the creation of technological demonstrators of complete structural sub-assemblies. These demonstrators use the most advanced composite design and implementation technologies. Furthermore, this project includes the additional innovation of integrating all the aircraft systems housed in the tail cone with the aim of being able to "Plug and Play" on the assembly line.

In the light of this, ADVITAC is aimed at business and regional aircraft whose tail cones are around 3 metres long and 150 centimetres in diameter.

This project, which has already attracted the interest of one aircraft manufacturer, includes the development of several innovative **technological building blocks**:

1. Production of composite structural assemblies using a "right price" fibre placement procedure
2. Consideration of acoustic and thermal requirements in a composite structure
3. Development of a new solution to ensure the electrical continuity of a composite structure, with as low as possible an impact on the resulting mass
4. Optimisation of the systems' maintainability by facilitating their accessibility and their disassembly for maintenance operations
5. Treatment of the zone's fire protection by integrating sensors and extinguishers using new solutions which are more environmentally-friendly
6. Consideration of a high throughput industrial flow requiring the development of low-cost, reconfigurable tools and tooling

To reach all of these objectives, this project calls on the highest expertise at European level, in the form of a close cooperation between a dozen industrial and academic partners. DAHER is also looking to expand this project to include other industrial groups.



The project shall be presented by DAHER within the framework of a second request for bids for FP7. With preliminary approval from the EMC2 business cluster in the Pays de Loire region, if chosen, this project shall be developed at the TECHNOCAMPUS at Nantes.

By taking leadership of this project, the equipment and services supplier DAHER consolidates its position in the aerospace sector as a **Class 1 designer and developer of composite structural assemblies** and as a **level 1 equipment and services supplier** for future all-electric, all-composite and green aircraft programmes.

For further information on DAHER – www.daher.com

DAHER is a European integrated equipment and services supplier, dedicated to Aerospace and other manufacturing industries.

In addition to Aerospace, DAHER specializes in three other sectors: Nuclear, Defence and Automotive. DAHER is developing in three fields of expertise: manufacturing, services and transport, which enable it to offer a comprehensive package.

Founded in 1863, DAHER is an exclusively family-run, independent international group, with more than 5,000 employees and 12 international installations (4 in Western Europe, 3 in Eastern Europe, 2 in North America, 2 in Africa and 1 in Australia). DAHER has doubled in size over four years to reach an annual turnover of 530 million euros in 2007.