

Subject: Research & Technology Projects at the Technocampus

**Press Relations**

H&B Communication: Marie-Caroline SARO – Nadège CHAPELIN  
+33 (0)1 58 18 32 44/45 – [mc.saro@hbcommunication.fr](mailto:mc.saro@hbcommunication.fr)

---

**Aerospace: Within the context of the EMC2 business cluster,  
DAHER confirms its commitment to the TECHNOCAMPUS at Nantes  
by incorporating this technical skills centre into two new innovative projects  
involving composite materials: ADVITAC and WING BOX.**

*The equipment and services supplier DAHER, partner of the “EMC2” cluster since its launch in 2006, confirms the setting-up of a research team at the Technocampus centre at Nantes in to participate in the design and development of two major Research & Technology projects on composite structural assemblies for business jets and regional aircraft.*

**Two innovative projects**

In order to be able to support future “all-composite aircraft”, “all-electric aircraft” and “green aircraft” projects, and offer a new generation of structural assemblies to aircraft manufacturers, DAHER is committed to several Research and Technology programs in order to develop the implementation of new structural assemblies processes. DAHER will study innovative manufacturing processes such as the processes of **infusion, automatic drape-forming (cloth and ribbon), thermo-plastic deep-drawing and the assembly of new generations.**

The Research & Technology programme is structured around the production of prototypes at scale 1, called **major technological demonstrators**. Their objective is three-fold:

- To propose innovative solutions for the design of relevant sub-assemblies,
- To research and validate innovative production processes, which ensure control of production costs and control over the reliability of structural assemblies,
- To propose solutions which incorporate DAHER’s two different areas of expertise: structural assemblies and systems.

Within this context, DAHER is joining forces with the Technocampus in order to **develop partnerships with the academic and industrial sectors to bring together all of the finest expertise within each major Research & Technology project.**

DAHER’s major aim is to actively participate in the development of the Technocampus. This is already illustrated by the organisation of two projects costing several million Euros, one of which is Europe-wide.

**DAHER’s two collaborative projects:**

**ADVITAC project (Regional Jet):**

The ADVITAC project, presented at the FP7 (European framework programme for Research and Technological Development), consists of developing a tail cone made from composite materials with the innovative concept of completely integrating the systems within it, including the APU (Auxiliary Power Unit) and the fire detection and extinguishing systems (Regional Jet).

**INCOWINGBOX Project (Business Jet):**

The Wing Box project consists of the design, qualification and manufacture of the wing box using composite materials (highly-stressed class 1 structural assembly required) at the minimum cost possible. The principal objective of this project is to reduce the mass of the part and its production cost.

### **Research & Technology at DAHER**

With the global aerospace sector witnessing increasing use of composite materials, DAHER has established itself as a major player at the forefront of structural assemblies. As a first-tier equipment and services supplier, DAHER intends to propose a whole range of technological breakthroughs, whether they be through designing complete sub-assemblies incorporating complex functions, or through all the technological building blocks which make up the production facility.

For many years Daher has been and still is an expert in the manual drape forming technology, with polymerisation in the autoclave. More recently, DAHER has also incorporated injection technology with the RTM (Resin Transfer Moulding) process, notably used for the manufacture of the central wing box for the A380.

### **For further information on the EMC2 Technocampus, Nantes**

EMC2 Technocampus is a technological research and innovation centre available to the entire composite material sector: major industrial groups, SMES SMIS, laboratories. From January 2009, it will accommodate over 300 engineers and researchers.

This unparalleled R&T platform implements projects ranging from theoretical and applied research on the use of composite materials to the production of functional prototypes at scale 1.

Its infrastructures and human resources for research and development programs based on composite materials will be made available to industrial groups and SMES-SMIS.

### **For further information on DAHER – [www.daher.com](http://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 536 million Euros in 2007.