



OFELIA

Optimisation of an eco-efficient system of using and recycling aluminium-lithium in the aerospace industry

BUDGET

€3,975K

GRANTS OBTAINED

€1,701K

FUI 11 FUNDING

2011 - 2014

THE PROJECT

The OFELIA project aims to maximise the eco-efficiency of the life cycle of aircraft parts made using the AIRWARETM technology, from the end of the semi-finished product sequence through to the re-melting of the machining chips. The notion of eco-efficiency covers at once sustainability, minimising environmental impact by optimising the use of resources, and economic efficiency at a competitive price. Two ways of optimising the material balance for the manufacturing of a part have been selected. The first is the reduction in the quantity of aluminium necessary in the beginning thanks to the optimisation of the manufacturing process and the machining sequences. The second involves working on the chips themselves (size, chemical treatment, collection). This project should lead to the creation of a closed recycling loop, an increase in the quantity of aluminium recycled in the aircraft sector and to considerable savings on the cost of material for all the value chain actors.

ViaMéca
French mechanical cluster



PROJECT SPONSOR

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