

Improved Human-Machine Interface

2007-2012



Axe(s)

Embedded Systems

Industries

Thales Alenia Space
 Etca, Sonaca,
 Techspace Aero,
 Samtech, GDTECH ,
 Open Engineering,
 Cissoid, Deltatec

Predictive maintenance is a major goal of the aeronautical sector. It enables to monitor the aircraft's "health" and schedule the technical interventions at the best moment, while complying with the technical and economical tight requirements of maintenance.

To do so, it is required to design, develop and manufacture health monitoring microsystems, built in both aircraft and space structures and systems, which goals are the early detection of problems, the reduction of maintenance costs and the extension of the service life of structures and equipment.

Research Bodies

ULg, ULB, UCL, UMH,
 Cenaero, Cetic,
 Multitel, CRIBC

The development will focus on skills that are already high in the Walloon Region (wings, engines and actuation systems).

Total Budget

7,1 M€ (R&D)
 0,8 M€ (Training)

Type

R&D