

Clean Sky

Green Regional Aircraft (GRA)

AIR GREEN Cluster members

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- **IMAST S.c.ar.l.**
- **Centro Sviluppo Materiali S.p.A.**
- **SICAMB**
- **University of Bologna/Forli**
- **Polytechnic of Turin - DIASP**
- **University of Naples "Federico II" - PoloST**
- **FOX BIT**
- **PIAGGIO AEROINDUSTRIES**
- **University of Pisa - DIA**

The **Clean Sky research project** is a large European research project involving 32 European partners. The aim of the project is the development of technologies to reduce aircraft environmental impact.

The **JTI-GRA "Green Regional Aircraft" project** is one of the six Clean Sky platforms. New solutions for **weight reduction** will be investigated through the development of composite materials by innovative technologies, such as **multi-functional layer and multi-layer architectures** ensuring **electric conductivity and lightning resistance** and a **better acoustic insulation**.

IMAST objective

IMAST is involved in the JTI-GRA project as an "associated member" of the Airgreen consortium. The objective of GRA is to produce low-weight regional aircraft with enhanced acoustic comfort.

In particular, IMAST will analyze the **fire behavior of developed polymeric composite components with improved structural-acoustic performances**.

