

ONGOING PROJECT : CMC en service

Thermomechanical platform for CMC characterization



Goal : Understanding damage to CMC materials in an environment close to final application:

Introducing a characterization method to apply thermomechanical stresses in motor environments over long periods of time

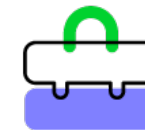
Damage analysis and associated design rules.



1.7M



48 months



Safran, I2M, Epsilon



10 Deliverables



4 Staff Member

Main activities

- To set up in the IRT Saint Exupéry small-scale but representative means, for example, in terms of temperature and flux gradients, capable of operating over long periods of time.
- To model the in-service behaviour of technology test tubes using the material models developed.
- Develop methods of in situ emissivity measurements

Platform

