

NMP

I. Turbomeca presentation

Turbomeca is the world leader for helicopter turbines, supported by an international high-technology group (SAFRAN) and provides the widest range of turbines for helicopters.

Turbomeca's reputation for reliability, simplicity and cost optimisation is unique. Our current product philosophy is founded upon significant investment in research and development, which allows our customers to take advantage of the most recent technology (design, the latest materials, sound and emission reduction...) upon a real potential to increase power output and upon a comprehensive engine follow-up.

In the framework of NMP call, Turbomeca proposes to take part in a project as an end-user. Depending on the call, Turbomeca's proposals are as follows:

II. NMP-2008-1.2-3: Development of technologies for the controlled combustion of nanoparticles

Turbomeca's proposal is to provide information on requirements related to the turbines (maximum temperatures, pressure, vibrations, etc.) and to test the novel or improved solid fuels. At the end, Turbomeca could provide recommendations.

III. NMP-2008-2.5-1: Functionally graded materials for improved mechanical performance

Turbomeca's proposal is to provide information on the real conditions of a working turbine, on the aeronautic standards and on the requirements of materials samples for tests.

Turbomeca could test the machining of the new materials and their performances.

IV. NMP-2008-4.0-3: Nano-technology enabled applications for integrated, cost-effective volume production

Turbomeca's proposal is to provide requirements on equipment and especially on the material used in aeronautic sector.

Turbomeca could test the new manufacturing equipments with such materials and compare the results with those obtained with classical equipment.

For more information, please contact

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