

Leading to competitiveness through innovation in materials and processes















Accreditation N°1-1995. Scope available on www.cofrac.fr With more than 20 years of experience in the field of polymers, composites, advanced materials and surface treatments as well as over 50 patents to its credit, Rescoll plays a major role in national and international research and innovation.

MESCOII is committed to meetingthe highest standards of quality – and its efforts and skills have been internationally acknowledged by **COFRAC** and **NADCAP** accreditations as well as certifications by the SAFRAN group





Characterization

Mechanical testing Physicochemical and chemical analysis Thermo mechanical analysis Coating characterization Ageing study Sample Manufacturing and surface treatment Fire testing

Research, Development and Innovation Study

Formulation and reverse engineering Bonding: process, qualification, choice, etc. Thermic Medical materials Composite process and qualification Green materials Conductive polymers Coating study: multi fonctional, Sol-Gel, etc.





<u>Expertise</u>

UE Expert OSEO Expert Court Expert Environmental Issues Regulatory Issues

Training

Training for bonding operators and technicians: EWF 515, EWF 516 Eco-design training Fire training



<u>Technologies</u>

Sol Gel Coating INDAR disassembling technology Paniplast (conductive polymers)

Examples of Innovation study

INDAR Innovative industrial structural disassembling adhesive for GAIA satellite (ASTRIUM)

SMILE a chromate-free hybrid organic-inorganic anticorrosive coating standing more than 3000 hours in neutral salt spray chamber without picking! (EADS)

THEOREM Innovative thermal conductive composite materials

NEWBONE Development of load fiber reinforced composite based non-metallic biomimetic bone implants

POLYZION Optimize the conducting polymers. Fast pulse charge for the polymer electrode. Charge-discharge efficiency and cycleability >90% and 1000 cycles



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References

