

Satellites  
Balloons  
Transversal competencies



RESCOLL is a private research and development company in the field of innovative industrial applications of materials: composites, paints, coatings, resins, adhesives, ...

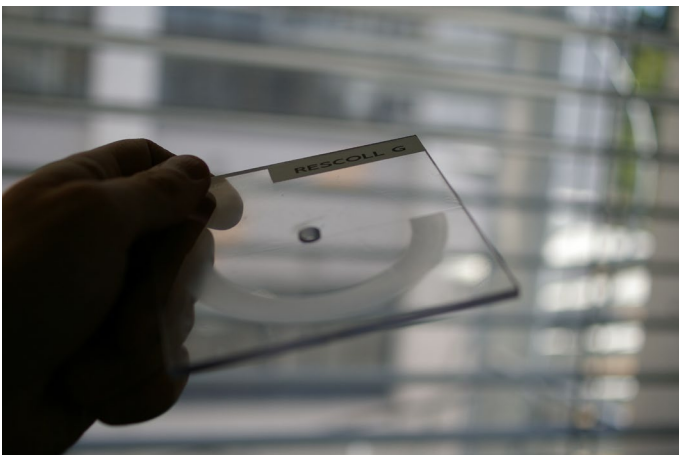
To do so, RESCOLL has R&D laboratories, clean rooms, but also characterization laboratories: ageing, mechanical and thermomechanical tests, fire behavior, physico-chemical analysis, ...

## COMPETENCIES & CAPABILITIES

RESCOLL's main competence in the space field lies in the formulation of materials meeting the specifications of this field.

This activity consists in developing specific materials, mainly protective coatings, adhesives, functional paints, resins adapted to space constraints.

Its characterization laboratories allow the mapping of properties. Thanks to its subsidiary "RESCOLL Production", RESCOLL goes beyond the laboratory study and ensures the supply of the developed materials.



# RESCOLL

## PRODUCTS & SERVICES

Obsolescence issues are regularly found in the space domain.

The causes are numerous:

- lack of interest from suppliers of materials by the small quantities consumed by the space domain,
- disappearance of raw materials in the formulations used because of ReACH, for example,
- unavailability of products due to ITAR customs regulations,
- ...

Also in some dual applications, the "francization" of materials is an objective sought.

With more than 25 years of experience in materials formulation, RESCOLL has the know-how and the recognition to answer these obsolescence issues.

## MAJOR SPACE PROJECTS & REFERENCES

For example, RESCOLL has:

- used its INDAR technology to enable the structural but reversible bonding of an INVAR crown to a SiC part for the GAIA satellite for ground tests.
- formulated hydrophobic silicon coatings to protect sounding balloons from icing
- formulated electrically conductive adhesives for onboard electronics applications
- developed Joule effect heating paints for thermal protection applications inside the satellite
- formulated ablative thermal protections (phenolic/cork, silicone, ...) for atmospheric re-entry
- functionalized materials by the formulation of metallic powders implemented by the "cold spray" technology
- ...

## POINT OF CONTACT

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**TURNOVER** 13 M€

**WORK FORCE** 125

**SPACE TURNOVER** 1.5 M€

**SPACE WORK FORCE** 14