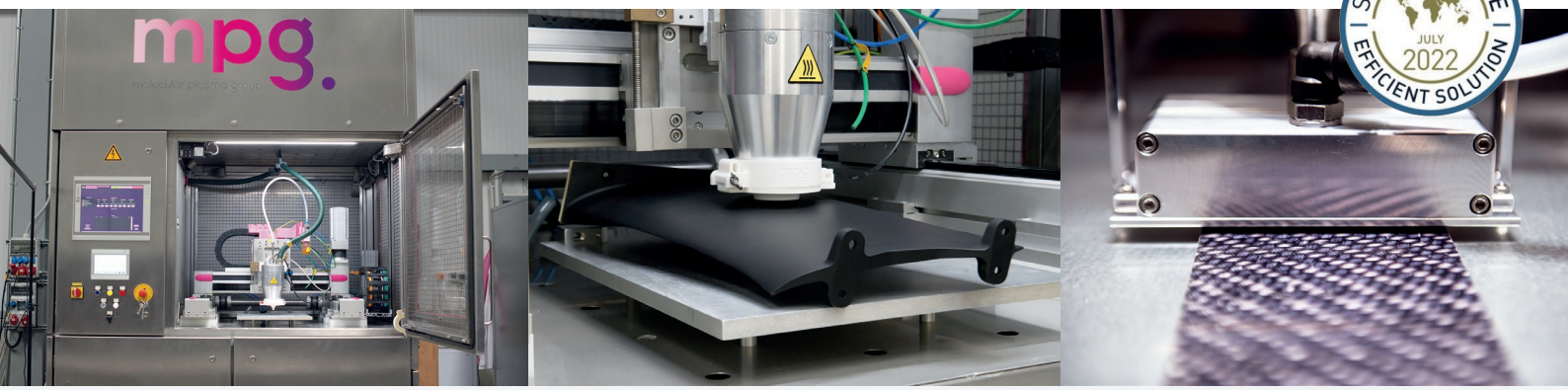
mpg. molecular plasma group & socomore

A NEW PARTNERSHIP

When cutting edge plasma technology meets chemistry expertise

MPG and SOCOMORE are joining hands to better answer their customers' needs in the aerospace, defense and railway markets. MPG provides **plasma equipment**, and **technical support** and SOCOMORE **recommends**, **formulates** and **supplies** the **functional chemicals** to use with the equipment.



Why does this collaboration make sense for our customers?

This collaboration will bring solutions to common or specific problems such as functionalization of composites materials, surface activation, surface finishing or replacement of solvent based primers.

MPG developed a unique surface functionalization technology using cold atmospheric plasma to graft organic chemistry directly onto any substrate in a single-step, with less or no solvent: scalable atmospheric Plasma process at room temperature.

MPG

- Successful combination of spin-offs from 2 research institutes : VITO (Belgium) & LIST (Luxembourg)
- A breakthrough patented innovative technology
- Highly experienced and agile team with technical expertise

Contact

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contact@molecularplasmagroup.com
+352 621666745

SOCOMORE

- 50 years of experience (since 1972) in the aerospace, defense and railway markets
- 3 laboratories worldwide and 15% of headcounts in R&D
- 7 plants worldwide and 22 subsidiaries and sales office
- +1000 approvals by 150 major industrial actors

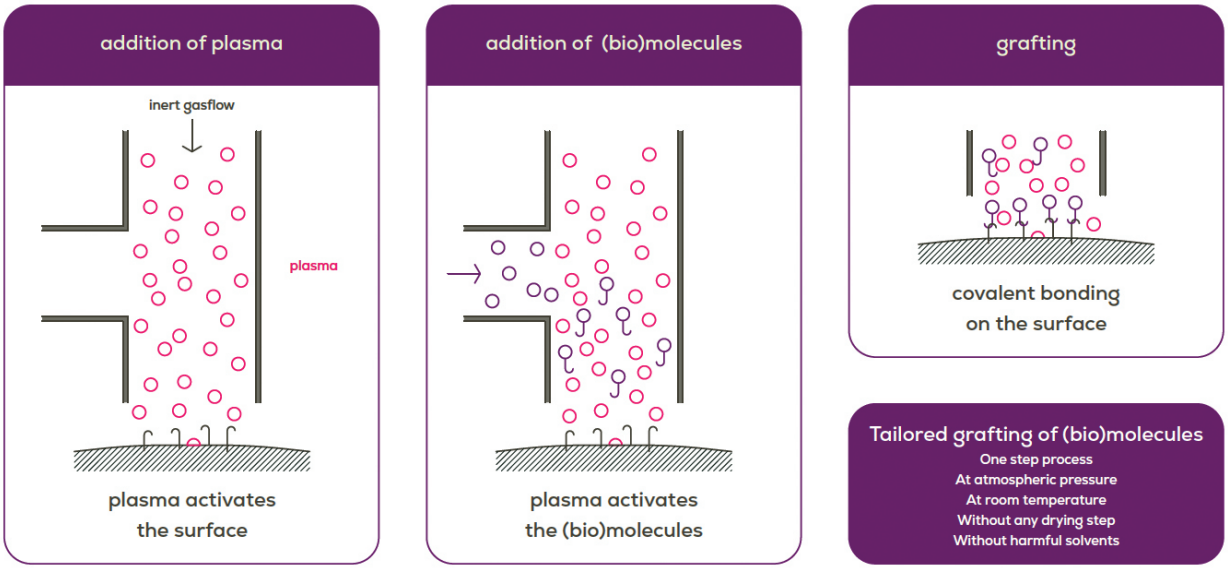
Contact

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molecular plasma group

MolecularGRIP™

Discover the revolution in solvent-free surface functionalisation



KEY APPLICATIONS

Advanced Composite Structures:
Surface priming of fibers for improved adhesion to resins (glass fiber, carbon fiber, etc.)

Structural adhesion:
Surface priming for structural adhesion between difficult-to-bond parts (glass, polyolefins , etc.)

Paint adhesion / Corrosion protection:
Improved adhesion between substrate and protective layer

KEY ATTRIBUTES

Versatile: Wide range of surface functionalities using different organic precursor molecules

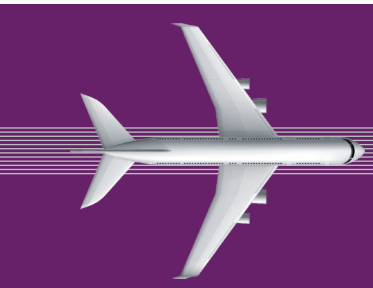
Dry single-step process: Achieve surface functionalization in a single step without drying or curing process

Permanent: Covalent bonding of pure organic chemistry by using cold atmospheric plasma as the delivery system

Eco-Friendly: Very low energy consumption with minimal need for solvents. Uses up to 1000 x less chemistry than conventional wet-chemical technologies

Readily scalable: Variable width, plug-and-play, industrial roll-to-roll systems as well as bespoke units

SOCOMORE - Service communication - 04/2023 - MPGxSOCOMORE Leaflet english



Find out more about this partnership by scanning →

SCAN ME