

Launchers  
Satellites  
Transversal competencies



**BLACKLEAF** is the French graphene leader for industrial technological applications.

**BLACKLEAF's** graphene is disruptive, we answer to the 3 majors challenges of graphene industry: volume, quality and cost/price through an affordable and eco-friendly process of production.

**Blackleaf** aims to make graphene a strategic input to the widest range of industrial sectors to bring innovation, disruption and competitiveness.

We define **our mission** as: "supporting the ecological transition and the decarbonation of the industry".

## COMPETENCIES & CAPABILITIES

Our tech is based on **10 years of Research and works** on graphene at an academic level (CNRS).

BLACKLEAF produces graphene and assists its customers in the implementation of our "game changer" graphene to address their high-tech applications, and thus achieve **fast ROI**.

Our innovative graphene is implemented in two ways: **100% graphene coating** on all types of surfaces (patented solutions) or **in dispersion in any matrix**.

In any case, we developed a knowledgeable expertise to bring support to the industry to make the graphene compatible with its application.



# BLACKLEAF

## PRODUCTS & SERVICES

Blackleaf produce pure few-layers graphene (FLG) in aqueous media.

Our products and the applications that we developed exploit a wide range of our graphene's properties:

- Electrical and thermal conductivity/dissipation
- Enhancement of mechanical properties (light, flexible, UTS, Young modulus)
- Chemical barrier effect, bactericide, impermeability (fire retardant, gas and water vapor, etc.)
- Lubrication (tribology of oils and greases, drag effect improvement)

Our graphene can be produced and delivered at different level of concentration in water-based solutions.

We also offer engineering services for the implementation of graphene in tailor-made applications.

We also propose graphene based products such as heat transfer fluids, low energy heating solutions, thermal interface material, lubricants...

## MAJOR SPACE PROJECTS & REFERENCES

Contracts with some of the major French space industry players  
CNES R&T, THALES.

## POINT OF CONTACT

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**TURNOVER** confidential

**WORK FORCE** 13 employees

**SPACE TURNOVER** confidential

**SPACE WORK FORCE** 5 employees