



## ABOUT CARBON WATERS

Carbon Waters designs and produces **graphene-based performance additives**.

Its technology, the result of **10 years of R&D** at the **CNRS** and covered by **six patents**, and its expertise enable it to support **manufacturers** in the use of a new generation of advanced materials with its **Graph'Up** range.

**Ready to use**, Carbon Waters products require **neither investment nor specific know-how**.

## CARBON WATERS PRODUCTS FOR LOW CARBON ENERGY



### Increased lifespan

Carbon Waters solutions improve the **thermo-mechanical behavior** of **polymers**.

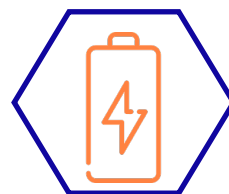
As a result, they are highly **stable**, enabling **batteries** and **fuel cells** to be used more often, and **hydrogen storage capacity** to be **increased**.



### Thermal management and safety

Carbon Waters graphene-based performance additives optimize **heat dissipation**, thereby allowing to limit the risk of **ignition**.

This way, the operation of **energy equipment** is **optimized** and **safer**.



### Equipment performance

Thanks to its structure and form factor, graphene makes it possible to increase the **energy density** of equipments.

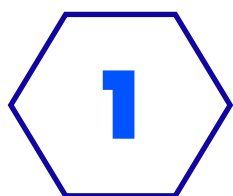
This means **shorter charging times**, thus **optimizing the cost per kWh of electric batteries**, and making them **lightweight**.

## HEALTH AND ENVIRONMENT

With many substances now targeted by regulations because they are deemed toxic, **Graph'Up additives** are excellent candidates for replacing these traditional additives in a **sustainable way**.

**Pre-dispersed**, Graph'Up additives present **no risk to health or the environment**.

## CHOOSING CARBON WATERS ALSO MEANS



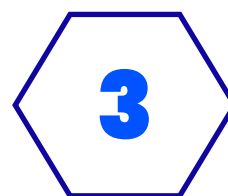
**Securing  
supplies**

**Made in Europe** production and **reduced dependence** on critical **raw materials**.



**Trust the  
graphene expert**

Development of **customized and adaptable additives** to provide the properties required: **resistance, electrical conductivity, toughness**, etc.



**Choosing  
simplicity**

**Easy-to-use** products compatible with current **industrial production processes**.

## CARBON WATERS AND THE ENERGY ECOSYSTEM

- Graphene, renowned for its **thermal and electrical conductivity** properties, is currently being validated by numerous international players in the field of **electric batteries**.
- Developments** are underway with **leading academic laboratories** (University of Massachussets, Lepmi, etc.) and major **industrial players** in **energy transport and storage**.
- Carbon Waters solutions are part of a **circular economy** dynamic: **use of raw materials derived from recycling and waste recovery**.

