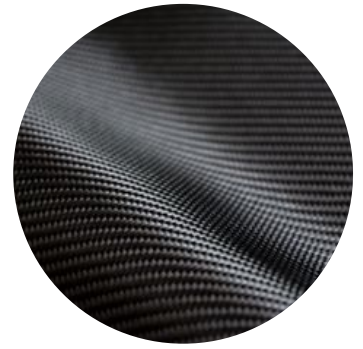


Production of Carbon Fiber with Low Carbon Dioxide Footprint

Faurecia, a company of the Group FORVIA, is a tier-one automotive supplier with a carbon neutrality target over the coming years. Faurecia has an important activity in hydrogen (H2) storage tanks. It is well known that carbon fibers have a huge emission factor, and thus significantly impacts Faurecia's carbon footprint. The Sustainable Materials Division at Faurecia aims at **developing low carbon footprint carbon fibers for H2 storage tanks to decrease carbon dioxide (CO2) emission factors**. The cost will also be a challenge for the democratisation of H2 propulsion technology.



Approaches of Interest:

- Using low carbon footprint carbon fibers for H2 storage (long fibers). Investigations at both the **precursor side** and **carbonization process side** are of interest
- Open to all types of carbon fiber precursors (e.g., PAN-based, pitch-based) with **precursors from bio-, recycled- or CO2-based solutions** being of the highest interest e.g., rayon-based, lignin-based, glycerol-based etc
- Technological solutions to **optimize the carbon fiber production process** e.g., less energy, new pathway, more eco-friendly, such as the use of solar radiation to help carbon fiber carbonization
- Technological solutions that **produce a substitute of carbon fiber with similar mechanical properties for use in H2 storage vessels** but with a better life cycle assessment (LCA) than current carbon fibers

Stage of Development:

- Technology readiness level at TRL 2 and above is of interest, with a particular interest in technologies with a validated proof of concept





Submission Information:

Submission of one page, 200-300 word briefs are encouraged, along with any optional supplementary information e.g., relevant publications and patents. In submitting to this campaign, you confirm that your submission contains only non-confidential information.

Opportunity for Collaboration:

Faurecia is open to a wide range of collaboration opportunities and are keen to discuss all potential avenues of collaboration. Possible outcomes include, but not limited to: licencing of assets, investment, project/PhD funding, and research collaborations.

Opportunities sought

-  Technologies
-  Academics and expertise
-  Centres of excellence
-  Research projects
-  Spinout companies

Submissions

Please submit relevant, non-confidential opportunities online via: discover.in-part.com

Deadline: **18th July 2022 - 10:59 pm GMT**

Have any questions?

Contact our team at discover@in-part.co.uk