

CORNET Call for Proposals: International Collective Research
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Organisation:	CARBON FOX LTD.
Website address:	www.carbon-fox.com ; www.plycork.com
Organisation typology:	<input checked="" type="checkbox"/> SME Association <input type="checkbox"/> University <input type="checkbox"/> Research Centre <input type="checkbox"/> Other (please specify)
Sector:	<input checked="" type="checkbox"/> Materials <input type="checkbox"/> Process Engineering, Energy Technology and Environment <input type="checkbox"/> Business Management and Organisation <input checked="" type="checkbox"/> Construction and Production <input type="checkbox"/> Chemistry, Textile, Food, Health and Medical <input type="checkbox"/> Measurement and Information
Field of specialisation:	High performance composites, new materials, additive manufacturing, carbon fibers, cork
Expertise offered:	<p>Carbon Fox Ltd. specialises in the production of ultra-light and high-strength multilayer composite materials using glass, carbon, aramid and natural fibres and cork agglomerate. Since 2009, i.e. the company's beginning, we have dealt with advanced carbon composites used in public transport and medical tools. Vision of the company is to create lightweight constructions made of natural materials that positively influence the environment. These include bio-based, ultra-light high-strength composites. They are a great alternative to concrete, steel and other heavy materials. Our composite using PlyCork® is based on a cork agglomerate – a natural, renewable CO₂ absorbing material. We are focused on the positive evolution of technology in the direction of environmental protection and prove that toxic artificial materials lose competition with what nature created. Our solutions are highly innovative, proved by a number of received awards. We have an impressive list of implementations of bio-based composites, which makes us a leader in this area.</p> <p>Ships, rail vehicles, reinforced vehicles (special bank cars) made from our composites reduce their weight by 60%. This allows to generate significant savings by: reducing the amount of fuel consumed, less pollution with exhaust gases, smaller amount of materials and natural resources needed, and lower use of roads and railways. We also create ultra-light operating tables that support weight up to 250 kg, which are safer and much more stable for patients.</p>

	<p>Our R&D department employed people with many years of experience in international projects management. We are facilitates our work using tools such as the Logical Framework Approach, Business Model Canvas and Design Thinking. We have great experience in Framework Programmes including Horizon 2020 and other international programmes.</p> <p>The motor sport section has been the other main part of our company. It started from passion and began to earn money as we started to produce durable ultra-light motorcycle parts of carbon fibres. Our products proved to be of excellent quality and now we supply i.a. X-Raid. X-Raid is a German company where the rally car MINI All4 Racing, one of the best rally cars in the world, was created. The latest success of the cooperation between our companies is a new version of the MINI John Cooper Works Rally for Dakar 2017/2018.</p> <p>To fully satisfy our clients and prove the highest quality of production and service, we have implemented the Quality Management System ISO 9001:2015. Thanks to this, we guarantee the highest quality standards and can be trusted as a worthy partner.</p>
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