Recyclable or biodegradable low-weight containment enclosures for low-density gases

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Looking for	We are searching for innovation concepts, prototypes or fully developed products in the area of environmentally friendly low-weight enclosures for gases with low-density (particularly helium). The enclosure should be made available either in custom measurements or modular design that allows for adapting to specific applications. The enclosure must allow the feature of simple refuelling with inert gases from standard valves of high-pressure containment vessels and must otherwise ensure very low penetration (leakage) of gas to the external environment. The enclosure must feature lightweight materials (rigid structure) that demonstrate either capability to be recycled (carbon fibre) or use materials that are biodegradable.The e organization will take over the role of the coordinator of local/national partners (enterprises, business support organizations, research institutions and academia) participating in the development process. For additional information please communicate with the contact point.
Stage of Development	TRL 4 and above
Form of cooperation	Purchase of equipment, co-development of products (requirements of beneficiary partner), testing
Language of communication	English, Slovenian, Serbian
Key Words	Inert gas, enclosure, bio-degradable, recycle, carbon fibre, low-weight, semi-manufactured product, custom measure
More information	For additional information please communicate with the contact point.
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