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**Partner search**

**Date (DD-MM-YY)**

* **(\*) Indicate numbers of relevant topics for Green Deal call:**

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| **LC-GD-2-1-2020: Innovative land-based and offshore renewable energy technologies and their integration into the energy system**  **LC-GD-2-2-2020: Develop and demonstrate a 100 MW electrolyser upscaling the link between renewables and industrial applications**  **LC-GD-3-1-2020: Closing the industrial carbon cycle to combat climate change**  **LC-GD-4-1-2020: Building and renovating in an energy and resource efficient way**  **LC-GD-5-1-2020: Green airports and ports as hubs for sustainable and smart mobility** |

* **Quick description of the project**

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| **(describe the objectives, activities, partners requested and their skills)** |

* **(\*) Do you intend to apply as ? :**

**Coordinator: No**

**Participant: Yes**

**(\*) Either Description of the expertise requested (up to 1000 characters) - *specify which points of the "expected impact" of the call you are targeting***

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| **We are looking for partners capable of:**   * **Manufacturing hydrogen stations** * **CNG (BioCNG, RNG) fueling stations** * **Back-up energy sources (systems)** * **Heavy-industrial companies considering H2, CNG (BioCNG, RNG) as the energy source** * **Mobility applications – forklifts, heavy-duty vehicles, trucks, tractors, trains, ships** * **Alternative mobility applications** * **Gas companies providing services in field of H2, CNG (BioCNG, RNG)** * **Energy players – companies providing alternative energy sources** |

**Or Description of the expertise proposed (up to 1000 characters) - *specify which points of the "expected impact" of the call you are targeting***

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| **Reduction of the carbon emission footprint in field of transportation, heavy industry, energy sector**  **Development of the green energy technologies (railway, on-road, sea)**  **Development of the energy storage and accumulation**  **Materials research and development**  **Technological research and development**  **The company VÍTKOVICE CYLINDERS is highly active in the field of R&I and R&D proven by unique products range such as globally only existing extruded 1000 and 500 bar vessels for hydrogen storage and patented on of the kind technology for the production of extruded stainless steel cylinders and also special production technology for production of extruded cylinders with the inner neck. Besides this company holds also a utility models for the special surface treatment of tool steels and extrusion method.**  **Key words :**  **Carbon emissions, green energy, pressure systems, gas storage systems, energy accumulations, research and development, hydrogen, Compressed natural gas, renewable natural gas, bio natural gas** |

**Organisation information**

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| **Organisation and country:**  **VÍTKOVICE CYLINDERS, a.s. , Ostrava, Czech Republic** |
| **Type of organisation:**  **□ Enterprise** |
| **Former participation in FP European projects?**  **□ No** |
| **Web address:**  **www.cylinders.cz** |
| **Description of the organisation:**  **VÍTKOVICE CYLINDERS is the leading company in the field of H2, BioCNG, RNG, and other low-emission gases. We provide all sorts of technologies and products for H2, BioCNG, RNG and other low-emission gases storage and transport. We also provide services in field of non-destructive testing and requalification of all pressure applications.**   * **is a global producer with the largest share in the European steel cylinder market. The company’s export targets all the continents. In selected territories, the holding builds not only a market position but also new production facilities.** * **is the only company that is capable to produce seamless steel H2, BioCNG, RNG pressure vessels from 100bar up to 1050bar by using method of reverse extrusion.** * **builds its future on the principles of the circular economy focused on the ability to use primary production waste and using modern technologies, to produce a suitable and environmentally friendly product without it. Mobile and virtual gas pipeline systems developed by Cylinders Holding confirm that there are comfortable, environmentally friendly and economical top-quality solutions that reduce the burden on our planet.** |

**(\*) Contact details**

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| **Contact personnel name** | **Jiří Brož**  **Pavel Kučera**  **Petr Hofrík** |
| **Telephone** | **+420606034073**  **+420702201757**  **+420725738045** |
| **E-mail** | [**jiri.broz@cylinders.cz**](mailto:jiri.broz@cylinders.cz)  [**pavel.kucera@cylinders.cz**](mailto:pavel.kucera@cylinders.cz)  [**petr.hofrik@cylinders.cz**](mailto:petr.hofrik@cylinders.cz) |
| **Country** | **Czech Republic** |

**(\*) –Mandatory**