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**Partner search**

**Date (28-07-20)**

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

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| **LC-GD-1.2,**  **LC-GD-3.1** |

* **Quick description of the project**

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| **The main objective is to develop an efficient fuel cell for commercial application. The development should address the materials for fuel cell components and system control for the application. Partners for this kind of project should be commercial companies interested in hydrogen technologies and academic institutions experienced in the field of fuel cells.** |

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

**Coordinator: ~~Yes~~/No**

**Participant: Yes/~~No~~**

**(\*) 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 a partner that can implement our technology (PEMFC, adsorption, fuel cell system control) or start a new consortium based development of device suitable for particular application.**  **+ key words : Fuel cells, Adsorption, Software Development** |

**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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| **Our group is experienced in diagnostics and testing of fuel cells, fuel cell component development, gas pollution mitigation (adsorption techniques), material engineering, and material characterization.**  **+key words : Fuel cells, Diagnostics, Testing, Adsorption, Material Characterization** |

**Organisation information**

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| **Organisation and country: University of West Bohemia, Czech Republic** |
| **Type of organisation:**  **□ Enterprise □ SME □ Academic □Research institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?**  **□ Yes □ No** |
| **Web address: https://ntc.zcu.cz/** |
| **Description of the organisation:**  **NTC - focuses on research and solutions for green technologies and advanced materials. Since 2020 NTC is an independent self-financed institute of the University of West Bohemia. It is equipped with cutting edge research technologies and facilities. Experienced, reliable and dedicated multinational team of more than 130 researchers conduct basic and applied research, development and innovations for industrial applications mainly in the following areas: laser technologies; thermography-thermometry; new materials’ development and materials’ testing; development of new polymer composites; measurement and simulation of deformations and dynamic processes; measurement and simulation of temperatures’ fields and heat transfer; measurement and simulation of complex fluid flow; new thin-layer materials (photovoltaics, photonics, microsystems), energy storage systems; biomechanical models of humans**  **Our teams provide cutting edge research and interdisciplinary solutions across the entire value chain – from the idea to the prototype. Our researchers have published prestigious articles e.g. in Nature Communications, have patented their solutions and successfully applied innovative technologies and results in various industries around the world.**  **NTC co-operates with dozens of domestic and as well as international industrial companies on solving their technical and technological problems. NTC partners with renowned research institutions and professional organizations. Participates in EU and other grant programmes worldwide.** |

**(\*) Contact details**

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**(\*) –Mandatory**