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Horizon2020@recherche.gouv.fr

**Partner search**

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

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

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| LC-GD-2-1-2020: Demonstration of innovative critical technologies to enable future large-scale deployment of offshore renewable energy technologies *(with the possibility to address also hydrogen applications)* LC-GD-2-2-2020: Develop and demonstrate a 100 MW electrolyser upscaling the link between renewables and industrial applications  |

* **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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| **Xxxxxxxxx****+ key words :**  |

**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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| **SOEC / SOFC testrig, connected to GC (5×5 cm MEA). High-temperature hydrogen loop (1 kWe), suitable even for co-electrolysis (water + CO2, water + nitrogen etc).** **Cell characterization methods (SEM, TEM, EIS).** **Ready to start experimental research work in alkaline electrolysis and PEM electrolysis / fuel cell.** **+key words : electrolysis, fuel cell, testing, SOEC, SOFC, PEM, alkaline.**  |

**Organisation information**

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| **Organisation and country:****Research Centre Řež, Czech Republic**  |
| **Type of organisation:****□Research institute**  |
| **Former participation in FP European projects?****□ Yes**  |
| **Web address:****www.cvrez.cz** |
| **Description of the organisation:**Research organisation concentrating on research, development and innovation in the energy sector, primarily nuclear. |

**(\*) Contact details**

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| **Contact person name** | **Martin Šilhan (hydrogen-related topics)** |
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| **Country** | **Czech Republic** |

**(\*) –Mandatory**