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Horizon2020@recherche.gouv.fr

**Partner search**

**Date (14-09-2020)**

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

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| **LC-GD-5-1-2020** |

* **Quick description of the project**

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| A clear commitment of the European Green Deal is that “transport should become drastically less polluting”, highlighting in particular the urgent need to reduce greenhouse gas emissions (GHG) in aviation. Actions should perform large-scale, real-life high TRL (6 or above) demonstrations of green airports, addressing all of the following four headings, collectively describing the various airport aspects to be considered: 1) Transport, 2) Terminal, 3) Energy and 4) Cross-cutting aspects. |

* **(\*) 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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| **NA****+ key words : NA** |

**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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| **Expected impact targeted:**Green airports and ports as multimodal hubs, optimising passenger and freight flows for low emission mobility, in a context of much stricter public health criteria; **Expertise proposed:** Innovative software solutions, including new traffic optimization tools for multimodal access, passenger and freight flows to and from the airport, as well as between airports.Process optimization tools proposed:* Monitor passenger flows in real time, runway supervision + camera + 4D airport model + IA
* Mobile application development for Passenger with 3d model and augmented reality tools
* Optimizing movements with the IOT track + supervision tool

**+key words : supervisor, digital twin, IOT, HMI** |

**Organisation information**

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| **Organisation and country:****VIRTUAL IT France** |
| **Type of organisation:****□ Enterprise xSME □ Academic □Research institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?****□ Yes xNo** |
| **Web address:**[*https://www.*](https://www.)*virtual-it.fr* |
| **Description of the organisation:****Virtual-IT is a software development SME specialized in interactions and visualization technologies.****We design digital twins for space, energy, aeronautic, defense and manufacturing alongside large compagnies like CNES, Enedis, Airbus D&S, Thales.****For more than 12 years, we developed our own R&D and accompanied our customers from supervision & predictive maintenance to decision making tools through space simulation & exploitation solutions. Our digital twins are designed on a human centric approach and are meant to be quickly tested on field and made operational.** |

**(\*) Contact details**

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**(\*) –Mandatory**