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**Partner search**

**Date (17-08-2020)**

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

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| **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)**  We are looking for large European players in electricity, construction, partner in BIM/CIM and architect.  We propose to bring our expertise to build a project fulfilling the aims of the area 5 of green deal call.  in:  - electrical measurements, energy efficiency  - building materials, fire behavior, smart lighting  - artificial intelligence |

* **(\*) 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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| **+ 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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| LNE proposes a scientific support on topic 5.1 by bringing its expertise, skills and experimental/numerical facilities pertaining to evaluation of   * Energy efficiency estimation and improvements * Electrical measurements and calibrations (smart AC meter, electric vehicle charging stations), and Energy storage systems (batteries, supercapacitors, phase change materials) * Artificial intelligence systems, e.g. for traffic control (ethical issues, safety assessment, functional performance, AI/Data regulatory framework). * ICT devices (ergonomics of user-machine interfaces, embedded AI, calibration and evaluation of sensors, etc.) * Materials & system performance (thermal & mechanical behavior, reaction to fire, long-term performance, durability, COV abatement, glazing performance) * Fire safety performance (smoke management) * Characterisation of components (sources and sensors) of smart lighting * Standardization   **+key words :** Energy efficiency, Electrical measurements, Metrology, Power measurements, Energy storage, Materials/System performance, In situ performance, Fire safety, AI evaluation, Smart lighting, Standardization. |

**Organisation information**

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| **Organisation and country: Laboratoire National de métrologie et d’Essais LNE in FRANCE (France's national metrology laboratory)** |
| **Type of organisation:**  **□ Enterprise □ SME □ Academic XResearch institute □ Public Body □ Other: Association** |
| **Former participation in FP European projects?**  **□ Yes □ No** |
| **Web address:** <https://www.lne.fr/en> |
| **Description of the organisation:**  LNE is a public industrial and commercial institution (EPIC designation) placed under the trusteeship of the French Ministry for the Economy and Finance with oversight for Industry.  Relying on an excellent scientific and technical skill set, LNE's research efforts form the basis of multiple applications: calibration, testing, certification, etc. Renowned for its expertise both in France and abroad, LNE performs measurements that serve the economy and society.  Furthermore, LNE is the French National Metrology Institute and as such, one of its key missions is to establish the metrological traceability and to assess the uncertainty of analytical measurements, necessary to enhance the reliability of data.  To execute its assigned technical assistance activities successfully, LNE develops a broad array of multidisciplinary resources and skills to respond better, in its role as a reference laboratory, to the diversity of problem situations it is tasked with addressing by industrial firms, laboratories or public authorities. The Laboratory produces reference test benches, in addition to developing new reference testing and analysis resources-methods across all fields These challenges span consumer protection, public health and safety, environmental preservation and energy efficiency. LNE pays close attention to regulatory and standardization issues as well. |

**(\*) Contact details**

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**(\*) –Mandatory**