Partner ☒search or ☐offer

Date (10-05-2022)

(*) Relevant topic(s) in work programme (Code + topic name)

- **HORIZON-JU-CLEAN-AVIATION-2022-01-HPA-01: Direct Combustion of Hydrogen in Aero-engines**
- **HORIZON-JU-CLEAN-AVIATION-2022-01-HPA-02: Multi-MW Fuel Cell Propulsion System for Hydrogen-Powered Aircraft**
- **HORIZON-JU-CLEAN-AVIATION-2022-01-HPA-03: Large Scale Lightweight Liquid Hydrogen Integral Storage Solutions**
- **HORIZON-JU-CLEAN-AVIATION-2022-01-HPA-04 – sub-topic 2: Near Term Disruptive Technologies for Hydrogen-Powered Aircraft**

Quick description of the project concept (up to 10 lines)

Not applicable

(*) Description of the expertise requested/proposed (up to 10 lines)

Crane has strong experiences and knowledge in embedded sensors and electronics including pressure, temperature and fuel gauging ones for demanding and harsh environments.
Crane proposes its expertise in the aerospace domain on fluid sensors to work on research programs aiming at developing sensors for quantity gauging and monitoring systems for liquid and gaseous hydrogen storage and distribution.

Keywords describing the expertise requested/proposed (up to 10 words)

- **Sensing components and systems**
- **Pressure sensors**
- **Temperature sensors**
- **Fuel quantity sensors**
- **Embedded electronics**
- **Harsh environment**

Organisation information

Organisation name and country:
ELDEC France (part of CRANE Aerospace & Electronics), France

Type of organisation:
☒ Enterprise □ SME □ Academic □Research institute □ Public Body □ Other:

Former participation to FP European projects?
□ Yes ☒ No

Web address:
www.craneae.com

Description of the organisation:
Crane Aerospace & Electronics (CA&E) delivers mission-critical and innovative components, systems, and services for commercial aircraft, defense, and space markets. Part of Sensing and Power Systems divisions, Crane A&E provides a full range of proximity sensors, pressure and temperature sensors, fluid/fuel gauging systems, and power conversion systems and motor controllers for use in demanding harsh environments.

The Lyon site located in France has the skills and capabilities for developing and manufacturing its own products.
Experience and connections: **Aerospace high accuracy, high pressure sensors** **Aerospace fuel level and fuel quantity sensors** **Aerospace temperature sensors (high temperature)** **Fuel quantity measurement, control and monitoring computer and systems**

(*) Contact details

Name of contact person and title	**GIRERD Stephane, Principal engineer**
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(*) Do you entitle the French Transport NCP to publicly share the above mentioned information including your contact details?
☒Yes ☐No

Would you wish your expression of interest to be shared with other NCPs across EU member states and associated countries?
☒Yes ☐No
If yes, any preferred countries / countries excluded?

No preference or exclusion

(*) –Mandatory