

EU Brokerage Event

on Industrial KET* in Horizon Europe

*Key Enabling Technologies

10th November 2022 • Strasbourg

Conference &
Bilateral/B2B Meetings

Calls
2023- 2024

Project idea/ Field of expertise:

Developing, derisking and upscaling technology

Organisation Name:

Materials Processing Institute

Addressed topic(s):

Research interests – seeking project consortia

Expertise and facilities

Materials Processing Institute

- Research and Technology Organisation in the UK
- Purpose: Innovation, development and commercialisation of technology for the challenges of:
 - Advanced Materials
 - Industrial Decarbonisation
 - The Circular Economy
- Sectors: steel and metals, cement, ceramics, glass
- Expertise
 - Materials science and
 - Advanced processing,
 - Digital technologies
- State-of-the-art facilities
 - Laboratories and workshops
 - Computer simulation and digitalisation
 - Demonstration, scale-up and pilot-scale facilities
- Regular participant in EU projects inc Horizon 2020, EIT Raw Materials, ERDF, RFCS

Seeking project(s) and consortia for:

- Hydrogen-based direct reduction of iron
- Decarbonisation of industrial furnaces
- Generation of green hydrogen

- Development of low carbon cementitious products

- Developing a circular economy in bulk metals
- Recycling of critical raw materials
- Recycling of lithium ion batteries
- Recovery of graphite from kisch
- Recovery of zinc from industrial residues

- Digitalisation of foundation industry factories
- Through-life digital tracking of materials

- Development and demonstration of production routes for new metal grades and alloys
- Powder development for additive manufacturing

Contact details

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