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Planning

Digital Product Passport (DPP)

UNIVERSITY OF SHEFFIELD

UK2: Preliminary market engagement notice - Procurement Act 2023 - [view information about notice types](#)

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Procurement identifier (OCID): ocds-h6vhtk-0528e6

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Scope

Reference

4433/AMRC/GM/25

Description

The University of Sheffield's Advanced Manufacturing Research Centre (AMRC) is considering the future procurement of a robotic cell to support research into Digital Product Passports (DPPs)-digital records that capture key data about a product's materials, manufacturing history, and end-of-life options.

The proposed robotic cell would be located at our Factory 2050 facility and used to demonstrate automated disassembly of an electric motor. The system would read and write

data throughout the process to support research into circular manufacturing and highlight how DPPs can enable more sustainable industrial practices.

The cell will also act as a demonstration platform for UK manufacturers, showcasing cutting-edge technologies that support the development and use of DPPs.

We are carrying out preliminary market engagement to better understand current capabilities and innovations available in the market. This early engagement will help shape a fair, open, and realistic procurement process.

We welcome input from potential suppliers and integrators on how their solutions could meet our initial needs. In particular, we would appreciate information on:

Relevant technologies or approaches

Indicative delivery timelines

Non-binding pricing guidance to support early budgeting

Please note: this is not a formal procurement exercise. No commitment is being made at this stage, and participation in this engagement will not give any advantage in any future procurement.

Any subsequent procurement process will be conducted in accordance with the Procurement Act 2023, ensuring transparency, equal treatment, and open competition.

If you have any questions or comments in relation to this tender they must be submitted via the In-tend System, this can be accessed at <https://in-tendhost.co.uk/Sheffield>

Closing date for receipt of expression of interest: June 13th, 2025 at 12:00 noon (UK Time)

Contract dates (estimated)

- 1 September 2025 to 31 March 2026
- 7 months

Main procurement category

Goods

CPV classifications

- 30210000 - Data-processing machines (hardware)
- 30162000 - Smart cards
- 30233300 - Smart card readers
- 30233320 - Combined smart card and fingerprint readers
- 72300000 - Data services
- 72222300 - Information technology services
- 73000000 - Research and development services and related consultancy services
- 73100000 - Research and experimental development services
- 73200000 - Research and development consultancy services
- 73300000 - Design and execution of research and development

Contract locations

- UKE32 - Sheffield

Engagement

Engagement deadline

21 June 2025

Engagement process description

4433/AMRC/GM/25 Digital Product Passport (DPP)

The University of Sheffield wishes to invite tenders for a contract for supply of Digital Product Passport (DPP) on behalf of the Advanced Manufacturing Research Centre, Catcliffe, South Yorkshire.

Scope of Requirement

The University of Sheffield's Advanced Manufacturing Research Centre (AMRC) is exploring the procurement of a robotic cell to support research into Digital Product Passports (DPPs) - digital records that capture key information about a product's materials, manufacturing history, and end-of-life options.

The proposed cell will be installed in our Factory 2050 facility and used to demonstrate automated disassembly of an electric motor, reading and writing data throughout the process. This scenario supports research into circular manufacturing and showcases the role of DPPs in enabling sustainable industry practices.

The cell will also serve as a demonstration platform for UK manufacturers, highlighting innovative technologies linked to DPPs.

We invite early engagement from potential suppliers and integrators to inform the upcoming procurement process.

Tender Process and Documentation:

This procurement is an open procedure conducted in accordance with the Procurement Act 2023.

If you have any questions or comments in relation to this tender they must be submitted via the In-tend System, this can be accessed at <https://in-tendhost.co.uk/Sheffield>

Closing date for receipt of expression of interest: June 13th, 2025 at 12:00 noon (UK Time)

Participation

Particular suitability

Small and medium-sized enterprises (SME)

Submission

Publication date of tender notice (estimated)

16 August 2025

Contracting authority

UNIVERSITY OF SHEFFIELD

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Firth Court, Western Bank

Sheffield

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United Kingdom

Email: procurement@sheffield.ac.uk

Website: <https://www.sheffield.ac.uk/>

Region: UKE32 - Sheffield

Organisation type: Public undertaking (commercial organisation subject to public authority oversight)