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Award

Phase 2 - Filton Renewables - Prototype - R&D Project

NETWORK RAIL INFRASTRUCTURE LIMITED

UK5: Transparency notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-047316

Procurement identifier (OCID): ocds-h6vhtk-058451 ([view related notices](#))

Published 8 August 2025, 2:40pm

Scope

Description

Network Rail (Wales and Western) intends to award a contract via direct award under the Procurement Act 2023 to Turbo Power Systems Limited (TPS) for the continued development (Phase 2) of a first-of-its-kind 25 kV Integrated Converter Prototype for use on the railway.

This prototype forms part of a strategic innovation programme to enable the use of self-generated renewable energy for powering electric trains — a key enabler of Network Rail's long-term decarbonisation and sustainability objectives.

TPS, a specialist in advanced power electronic systems, initially proposed the concept to Network Rail and successfully delivered Phase 1, which included the design and demonstration of a proof of concept. This was formally reviewed and approved by Network Rail's Technical Authority, confirming both technical feasibility and alignment with operational requirements.

The Phase 2 contract will progress the innovation to a functional prototype, building directly on the technical foundations established in the initial phase.

Contract 1. Phase 2 - Filton Renewables - Prototype - R&D Project

Supplier

- Turbo Power Systems Limited

Contract value

- £2,181,000 excluding VAT
- £2,617,200 including VAT

Above the relevant threshold

Earliest date the contract will be signed

28 August 2025

Contract dates (estimated)

- 1 September 2025 to 31 August 2027
- Possible extension to 31 August 2029
- 4 years

Description of possible extension:

Extension of 1 + 1 years. This will depend on the progress on the research and development.

Main procurement category

Services

CPV classifications

- 73120000 - Experimental development services

Contract locations

- UK - United Kingdom

Participation

Particular suitability

Small and medium-sized enterprises (SME)

Other information

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Direct award

Special regime

Utilities

Direct award justification

- Prototypes and development
- Single supplier - intellectual property or exclusive rights
- Single supplier - technical reasons

A direct award is justified under Section 41(1)(b) of the Procurement Act 2023 due to the absence of competition for technical reasons. TPS retains all intellectual property rights (IPR) over the existing design and remains the only economic operator with the capability to deliver the required next stage of development.

Supplier

Turbo Power Systems Limited

- Public Procurement Organisation Number: PRZP-5234-CTQL

1 Queens Park, Queensway North, Teams Valle Trading Estate

Gateshead

NE11 0QD

United Kingdom

Email: info@turbopowersystems.com

Region: UKC22 - Tyneside

Small or medium-sized enterprise (SME): No

Voluntary, community or social enterprise (VCSE): No

Contract 1. Phase 2 - Filton Renewables - Prototype - R&D Project

Contracting authority

NETWORK RAIL INFRASTRUCTURE LIMITED

- Public Procurement Organisation Number: PNZN-9524-VCQJ

Waterloo General Office

London

SE1 8SW

United Kingdom

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Website: <https://www.networkrail.co.uk/>

Region: UKI45 - Lambeth

Organisation type: Public authority - central government