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Award

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

NETWORK RAIL INFRASTRUCTURE LIMITED

UK6: Contract award notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-058114

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

Published 19 September 2025, 12:58pm

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 Ltd

Contract value

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

Above the relevant threshold

Award decision date

5 September 2025

Standstill period

- End: 30 September 2025
- 8 working days

Earliest date the contract will be signed

30 September 2025

Contract dates (estimated)

- 1 October 2025 to 30 September 2028
- Possible extension to 30 September 2030
- 5 years

Description of possible extension:

Contract may be inextended for additional time to fully provide the deliverables

Main procurement category

Services

CPV classifications

- 73120000 - Experimental development services

Procedure

Procedure type

Direct award

Special regime

Utilities

Supplier

Turbo Power Systems Ltd

- 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

Supported employment provider: No

Public service mutual: No

Connected people/organisations:

Not applicable

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

Email: amy.slocombe@networkrail.co.uk

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

Region: UKI45 - Lambeth

Organisation type: Public authority - central government