

# Certificate of Acceptance

OFFICIAL

PA05/07345

**Manufacturer:**  
Keltbray Rail Plant Ltd

**Issue :** 1  
**Valid From :** 28/02/2023

## Keltbray Rail Plant Demountable Drilling Rig Module

### Product Description

A modular drilling rig to be fitted to SRS PRB8 RRV and deployed on Network Rail managed infrastructure.

The system comprises:

- SRS FL6 Rail Road Lorry Mounted KDR Module

### Product Image



### Scope of Acceptance

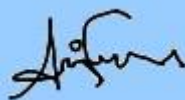
#### Full Acceptance

Product fully approved to be used on Network Rail Managed Infrastructure in accordance with the terms listed on this certificate and any associated reference documentation.

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use and trial use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.

Reviewed by:

Authorised by:



Aamir Malik  
Product Acceptance Coordinator



Jordan Skey  
Network Technical Head of Plant

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## Specific Conditions

The following Conditions are specific to the approved product/s contained within this Certificate. These conditions must be adhered to in addition to the Network Rail General Conditions contained within the "General Terms and Conditions" section. Failure to adhere to these conditions may result in the withdrawal or suspension of Acceptance of some, or all of the items contained within the accepted configuration.

### Manufacturer

- 1) See 'General Terms & Conditions' on this certificate.

### User

- 1) This certificate can only be amended by Network Rail Product Acceptance, the Professional Head or nominated delegate. Any alterations made by a other persons will invalidate the entire certificate.
- 2) Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.
- 3) Appropriate PPE **SHALL BE** worn at all times whilst the equipment is being operated, travelled and maintained, including task specific PPE.
- 4) The equipment **SHALL ONLY** be used in-line with site, task or location specific safe systems of work and work plans in accordance with the Infrastructure Plant Manual NR/L2/RMVP/0200 and GE/RT8000 Rulebook.
- 5) Full pre-use inspections **SHALL BE** conducted before use and equipment operators must ensure the equipment is in a safe condition to work before undertaking any equipment operations.
- 6) The equipment **SHALL ONLY** to be used in accordance with manufacturers' instructions.
- 7) The equipment **SHALL ONLY** be used by authorised trained and certified competent personnel.
- 8) The equipment **SHALL ONLY** be maintained by trained and competent personnel in accordance with the manufacturers' maintenance procedures and Infrastructure Plant Manual NR/L2/RMVP/0200.
- 9) The equipment **SHALL ONLY** be used in accordance with the limitations as laid out on the Engineering Conformance Certificate and Approved Body / Designated Body File.
- 10) An exclusion zone **SHALL BE** enforced whilst the equipment is being operated and transited.  
A minimum exclusion zone for OTP of **10m** shall apply at all times.  
Machine operator **SHALL** remain in a place of safety during operation.
- 11) Operation of this equipment **SHALL ONLY** be in accordance with the Control of Noise at Work Regulations 2005, HSE INDG362 and NR NR/L2/OHS/00123 guidance for noise exposure and monitoring, Noise Levels are:
  - Sound pressure:
    - **105.5dB (La)**
  - Hearing protection **SHALL BE** worn to a distance of 20m from the equipment.
- 12) When stabling the equipment, it **SHALL BE** the operator's responsibility to ensure it is left in a safe condition, secured, park braked and isolated in a position of safety.
- 13) When working at height a fall restraint system **SHALL BE** worn.
- 14) All module inter connecting hydraulic lines **SHALL BE** fitted with self sealing connectors.
- 15) All operating, maintaining or driving staff **SHALL BE** aware of COSHH information before coming in contact with machine lubricants and fuels.
- 16) This equipment **SHALL ONLY** be used within the confines of a possession in compliance with GE/RT8000 Rule Book.
- 17) A site and task specific risk assessment is required to cover operation in:
  - Tunnels as defined by the Sectional Appendix,
  - Under bridges where the length of the bridge could lead to a build-up of noxious fumes,
  - Stations with an over-all roof except in those areas where road traffic is specifically permitted.
- 18) The equipment **SHALL ONLY** travel under ALO operating conditions in conformance with NR/L2/RMVP/0200 and where it is **NOT** required to be moved from the stowed position,
- 19) The equipment **SHALL NOT** be used in working configuration under ALO operating conditions.

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- 20) This equipment **SHALL NOT** be used in working mode under energised OLE where it is required to be moved from the stowed position, all operations under energised OLE shall be in conformance with the IPM NR/L2/RMVP/0200 and NR/L3/ELP/29987
- 21) The equipment **SHALL ONLY** travel under live OLE operating conditions in conformance with NR/L2/RMVP/0200, GE/RT8000-HB16, following an appropriate site survey, and, following an applicable safe system of work in accordance with NR/SP/ELP/29987 – Working on or about 25Kv A.C Electrified Lines, and where it is NOT required to be moved from the stowed position,
- 22) The equipment **SHALL ONLY** on/off track under live OLE operating conditions in conformance with NR/L2/RMVP/0200, GE/RT8000-HB16, following an appropriate site survey, and, following an applicable safe system of work in accordance with NR/SP/ELP/29987 – Working on or about 25Kv A.C Electrified Lines, and where it is NOT required to be moved from the stowed position,
- 23) The equipment **SHALL ONLY** be used in accordance with the limitations of the host vehicle to which it is fitted in addition to those on this certificate.
- 24) The equipment **SHALL ONLY** be used in-line with the VeBo Certificate and Host vehicle Engineering Conformance Certificate.
- 25) Prior to lifting any element of this equipment (e.g. mounting or demounting from the RRV) a full lift plan **SHALL BE** produced and reviewed by a competent lift planner in accordance with the NR/L2/RMVP/0200 (the Infrastructure Plant Manual).
- 26) The equipment **SHALL BE** limited to a maximum of 200mm cant when travelling and 160mm cant working.
- 27) The equipment **SHALL NOT** be travelled unless all components are stowed.
- 28) Operators **SHALL NOT** be present on the equipment while the equipment is travelled.
- 29) The equipment or host **SHALL NOT** tow or propel other rail vehicles or trailers except in an emergency in accordance with the Engineering Conformance Certificate.
- 30) Where the equipment is to be fitted to a new host vehicle type the user **SHALL** notify Network Rail of the change.
- 31) The equipment is **NOT** fitted with a dust extraction system, a site survey assessment **SHALL BE** completed prior to the commencement of any drilling operations to determine the requirement for a standalone dust extraction system where necessary, the Safe System of Work (SSoW) shall detail this assessment.
- 32) A site survey assessment **SHALL BE** completed prior to the commencement of any drilling operations to determine the risks associated with falling debris from or loss of structural integrity or the infrastructure that work is being conducted upon.

## Product Configuration

### Complete Assembly

Part No.	Description	Catalogue No.
001	Demountable Keltbray Drilling Rig (KDR) Module	0094/002035

## Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
(Keltbray Group) BSI - ISO 9001 Certificate of Registration (exp 09.03.2023)	Keltbray ISO 9001 Certification	1	10/03/2020	1

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Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
Declaration of Intellectual Property Keltbray Drilling Machine.pdf	Statement of Intellectual Property	1	04/10/2022	1
GRP-CAL-PCY-003 - Environmental policy statement.pdf	Keltbray Environmental Policy	1	01/07/2022	1
Drilling Unit Plant Hazard Risk Assessment Form 2023.docx	Keltbray Design Risk Assessment	1	04/01/2023	1
4518 SSR	EMC Test Report	1	05/01/2023	1
KRP/DOC/001	Declaration of Conformity Drilling Unit	1	24/03/2022	1
As Titled	PRB8 Technical Data and Drawings.pdf	1	16/02/2022	1
As Titled	Gauge Drawing.pdf	1	03/10/2022	1
As Titled	Certificate of Verification 6182-6-2023-0514 Issue 1	1	06/01/2023	1

## Manuals and Training Materials

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
KRP-MA-MAN-014	Operating and Maintenance Instructions for Drilling Attachment	1	03/10/2022	1
As Titled	Keltbray Training Drilling Machine	1	15/03/2021	1

## Certificate History

Issue	Date	Issue History
1	28/02/2023	First accepted for use.

## Contact Details

### Manufacturer

Paul Ducker

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### Applicant

Paul Ducker

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### Lead Reviewing Engineer

Joe Hallford-Marsden

[Joe.Hallford-Marsden@atkinsglobal.com](mailto:Joe.Hallford-Marsden@atkinsglobal.com)

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## General Terms & Conditions

### 1) General

- 1) This certificate can only be amended by Network Rail Product Acceptance, the Professional Head or nominated delegate. Any alterations made by a other persons will invalidate the entire certificate.
- 2) Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.
- 3) Upon the review date this certificate and the product it relates to is invalid and not accepted for use. Manufacturers are to make an application for a review prior to the review date via the NR sponsoring applicant.

### 2) Manufacturer

The Manufacturer shall:

- 1) Ensure that all products supplied comply with the standards defined in the Acceptance Requirements or otherwise documented as part of the assessment, including meeting the reliability requirements included in the Network Rail Design for Reliability Standard (DFR) NR-L2-RSE-0005 and in any deed of warranty for the relevant certificate number.
- 2) Notify Network Rail Product Acceptance:
  - a. Within 48 hours, of any deficiencies affecting the quality, functionality or safety integrity of the product (including corrective action undertaken or proposed).
  - b. Of any intended change to the accepted product; changes include:
    - i. a change to the product configuration (to the actual product or its application);
    - ii. a variation to or addition of manufacturing locations or processes;
    - iii. a change in the name or ownership of the manufacturing company;
    - iv. any changes to the ability or intention to support with technical services, spares or repairs.
- 3) The Manufacturer shall provide Network Rail Product Acceptance or National Supply Chain (NSC) at least 12 (twelve) months notice of its intention to discontinue supply or to provide such notice as is reasonable if such discontinuance is outside its control and will offer the opportunity of a Last Time Buy to Network Rail together with date for last order placement and supply of the parts affected. The introduction of proposed alternative products shall be communicated to Network Rail Product Acceptance.
- 4) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
- 5) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
- 6) Where applicable, specialist technical support, repairs and servicing of the product shall be carried out by the Original Equipment Manufacturer (OEM) or authorised agent only.
- 7) Network Rail may request information from the manufacturer to prove product compliance with clauses 1 and 2 above and reserve the right to suspend and/or withdraw any application where information is not forthcoming within a reasonable timeframe.
- 8) In accordance with Network Rail's Quality Assurance Policy Statement, where the specification and/or Product Acceptance Certificates specify quality assurance classifications for the products, the manufacturer shall comply with the specified level of quality assurance for each product and allow Network Rail access to carry out its quality assurance checks.
- 9) The manufacturer shall give Network Rail's representatives access at all reasonable times to its premises and allow them to inspect its quality systems and production methods and, if requested, to inspect, examine and test the products both during and after their manufacture and the materials being used in their manufacture.

### 3) Conditions of Use

Specifiers, installers, operators, maintainers, etc. using the product shall:

- 1) Comply with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Product Acceptance.
- 2) Check that the application of use complies with the relevant certificate's scope of acceptance.
- 3) Report any defect if it is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway in writing to Network Rail Product Acceptance.
- 4) Inform Network Rail Product Acceptance in writing of a change to the product configuration (or to the actual product or its application).
- 5) Operate, maintain and service the product in accordance with Network Rail standards and Operation and Maintenance manuals as appropriate.
- 6) Be appropriately trained and authorised for the installation, maintenance and use of the product.
- 7) Only send products for repair or reconditioning to the Original Equipment Manufacturer (OEM) or authorised agent.
- 8) Users are to be aware that Product Acceptance is not a substitute for design approval.

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## 4) Compliance

Railways and Other Guided Systems (ROGS) Regulations

1) Where the product is to be used in areas where Network Rail is not the Infrastructure Manager (e.g. leased stations), the sponsor shall additionally obtain formal consent from the Infrastructure Manager for the locality where the equipment is to be installed. This may include a requirement for additional safety verification. The decision of that Infrastructure Manager is binding, and cannot be overridden by Network Rail except by the escalation processes established in the ROGS regulations

2) As required in Railway Group Standard RIS-8270-RST, at each use of this product the project or group responsible for installation and commissioning shall be required to demonstrate compatibility with:

- a. All rail vehicle types that have access rights over the area affected by the change
- b. Infrastructure managed by others
- c. Neighbours.

Railway Interoperability Regulations

3) For interoperable constituents of systems the project or group responsible for installation and commissioning shall be required to demonstrate compliance with the relevant Technical Specifications for Interoperability (TSI) where appropriate.

4) An authorisation from the national safety authority (i.e. the Railway Safety Directorate of the Office of Rail and Road) is required before the equipment is to be used in revenue earning service.

## 5) Supply Chain Arrangements

1) Certificates of acceptance do not imply any particular quantity of supply nor any exclusivity of supply.

2) Products may be purchased by Network Rail or its agents, suppliers or contractors.

3) Manufacturers should note that it is not necessary to enter into any exclusive supply arrangements with resellers or other suppliers