

Border Asset Reliability LTD's services are provided across several tiers to suit clients of any size.

- "Focused" tiers are for small reviews of up to 3 assets.
- "Expanded" tiers cover up to 5 assets.
- "Comprehensive" tiers cover up to 10 assets.

If services are required beyond 10 assets, then these are charged on a per additional asset basis.

Border Asset Reliability LTD defines an asset as a single function machine or assembly, standalone machine tool, or electrical distribution enclosure. Examples include:

- A single bakery oven.
- A pump unit (motor, coupling, pump, isolator and local wiring).
- A single distribution board or control cabinet.

Complex, multi-stage production lines containing several distinct sub-assemblies will be counted as multiple assets. Assets may be split as follows:

- Conveyor systems: each motor/gearbox and the section of conveyor they power will count as a single asset.
- Multi-Axis CNC Mill: May be, for example, split into main spindle, hydraulic power, and control cabinet (3 assets).

The exact count and split of assets will be audited and agreed upon during the initial consultation and quotation phase between Border Asset Reliability LTD and the client, prior to work commencing.

Travel terms & surcharges:

- Up to 30 minutes travel from Carlisle: Cost is included in the service price.
- 30 - 60 minutes from Carlisle: Applied as a flat £45 travel surcharge, per site visit.
- Travel beyond 60 minutes will be at the discretion of Border Asset Reliability LTD, and will be charged at 55 pence per mile PLUS £30 per hour of travel (each way).

ASSET CRITICALITY ASSESSMENTS

High level risk mapping to categorise machinery, identify single points of failure, and establish an initial priority framework.

SERVICE	SCOPE
Focused Criticality Assessment	Up to 3 assets
Expanded Criticality Assessment	Up to 5 assets
Comprehensive Criticality Assessment	Up to 10 assets
Additional Asset Rate	Per asset beyond the 10th item

FAILURE MODES AND EFFECTS ANALYSIS (FMEA)

Component level risk mapping for critical assets. Useful for identifying high risk components, managing spare parts inventory, and planning maintenance activities. **FMEA studies require client input on production impacts, quality risks, and operational parameters to accurately score severity and risk.*

SERVICE	SCOPE
Focused FMEA Study	Up to 3 assets
Expanded FMEA Study	Up to 5 assets
Comprehensive FMEA Study	Up to 10 assets
Additional Asset Rate	Per asset beyond the 10th item

ENGINEERING INVESTIGATIONS AND ROOT CAUSE ANALYSIS (RCA)

Structured investigations into chronic or major breakdowns to eliminate repeat failures. **Requires data from the client (e.g., maintenance history, operator descriptions, photos/videos, or work orders) to conduct the analysis.*

SERVICE	SCOPE
Recurring Nuisance Fault RCA	Single repeat component failure
Incident Discovery Phase	Initial consultations and data discovery for complex or major asset failures.
Major Incident RCA	Complex, Comprehensive failure. Recurring major downtime. High value asset damage.

PREVENTIVE & PREDICTIVE MAINTENANCE (PM/PdM) STRATEGY

Designing structured, data-driven maintenance routines, mixing calendar and run-time PMs with condition monitoring triggers. Uses industry best practices, manufacturer guidance, past failure data and an understanding of the client's available resources to optimise your maintenance checks.

SERVICE	SCOPE
Focused PM Optimisation	Up to 3 assets
Expanded PM Optimisation	Up to 5 assets
Comprehensive PM Optimisation	Up to 10 assets
Additional Asset Rate	Per asset beyond the 10th item

SPARE PARTS SELECTION & INVENTORY OPTIMISATION

Evaluating critical assets, failure modes, cost of downtime, and lead times on delivery of spare parts to optimise your spare part inventory.

SERVICE	SCOPE
Focused Spares Review	Up to 3 assets
Expanded Spares Review	Up to 5 assets
Comprehensive Spares Review	Up to 10 assets
Additional Asset Rate	Per asset beyond the 10th item

THERMOGRAPHIC SURVEYS

Infrared imaging of assets, including: electrical distribution boards, control panels, switchgear, motors, and bearings.

SERVICE	SCOPE
Focused Thermal Survey	Up to 3 assets
Expanded Thermal Survey	Up to 5 assets
Expanded Thermal Survey	Up to 10 assets
Additional Asset Rate	Per asset beyond the 10th item

POWER QUALITY DIAGNOSTICS

Diagnostic logging to detect voltage sags, phase imbalances, and harmonic distortion that can affect sensitive electronics. Due to the nature of these surveys we can only offer this service on one asset at a time.

SERVICE	SCOPE
24-Hour PQ Analysis	24 hours of power quality logging on a single asset
7-Day PQ Analysis	A full week of power quality logging on a single asset.

PACKAGES

Bundled services tailored to plant size. Packages are up to 10% cheaper than buying the services separately.

SERVICE	SCOPE
Focused Health Check	Focused Criticality Assessment + Focused FMEA Study + Focused PM Optimisation
Expanded Health Check	Expanded Criticality Assessment + Expanded FMEA Study + Expanded PM Optimisation
Comprehensive Health Check	Comprehensive Criticality Assessment + Comprehensive FMEA Study + Comprehensive PM Optimisation
Focused Reliability Transformation	Focused Criticality Assessment + Focused FMEA Study + Focused PM Optimisation + Focused Spares Review

SERVICE	SCOPE
Expanded Reliability Transformation	Expanded Criticality Assessment + Expanded FMEA Study + Expanded PM Optimisation + Expanded Spares Review
Comprehensive Reliability Transformation	Comprehensive Criticality Assessment + Comprehensive FMEA Study + Comprehensive PM Optimisation + Comprehensive Spares Review
Focused Incident Recovery (Single line failure, up to 3 assets)	Incident Discovery + Focused FMEA Study + Focused PM Optimisation
Expanded Incident Recovery (Production cell failure, up to 5 assets)	Incident Discovery + Expanded FMEA Study + Expanded PM Optimisation
Major Incident Recovery (Complex machine failure, up to 10 assets)	Incident Discovery + Major Incident RCA + Comprehensive FMEA Study + Comprehensive PM Optimisation
Focused Spares Optimisation	Focused Criticality Assessment + Focused Spares Review
Expanded Spares Optimisation	Expanded Criticality Assessment + Expanded Spares Review
Comprehensive Spares Optimisation	Comprehensive Criticality Assessment + Comprehensive Spares Review

RETAINED SERVICES

Retained services for multiple annual visits. Bi-annual (twice per year) visits attract a 5% discount, whilst quarterly visits receive a 10% discount.

Retainers require a minimum 12-month commitment. Upon contract confirmation, all provisional visit dates for the 12-month period will be mapped out, with final site dates confirmed 1 month prior to each visit.

Retained services include historical trend analysis in their reports—tracking asset condition changes over time to provide clear comparative data not available in one-off site visits.

SERVICE	BI-ANNUAL VISITS (6 MONTHLY)	QUARTERLY VISITS (3 MONTHLY)
Focused Thermal Survey (3 assets)	5% discount applied	10% discount applied
Expanded Thermal Survey (5 assets)		
Comprehensive Thermal Survey (10 assets)		
Focused Condition Monitoring Retainer (Focused Thermal Survey + 24-Hour PQ Analysis)		

SERVICE	BI-ANNUAL VISITS (6 MONTHLY)	QUARTERLY VISITS (3 MONTHLY)
Expanded Condition Monitoring Retainer (Expanded Thermal Survey + 24-Hour PQ Analysis)	5% discount applied	10% discount applied
Comprehensive Condition Monitoring Retainer (Comprehensive Thermal Survey + 24-Hour PQ Analysis)		
Condition Monitoring: Upgrade to 7-Day PQ Analysis		
Thermal Survey - Additional Assets		

NOTE: *Retainer agreements require a signed 12-month contract.*

READY TO BOOK?

Contact Leigh (Director & Lead Reliability Consultant)

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Based in Carlisle, Cumbria.