

VERISTRUCT PTY LIMITED

CAPABILITY STATEMENT

Asset Integrity | Reliability & Maintenance Engineering | Repair Engineering & Lifecycle Compliance

01 COMPANY OVERVIEW

Veristruct is a specialised asset integrity, reliability, and maintenance engineering consultancy helping asset owners, maintenance leaders, and contractors make fast, defensible decisions on damaged, ageing, and high-risk plant and equipment.

Built on a trade-to-engineering pathway spanning heavy fabrication, maintenance supervision, reliability programs, and failure investigation, we convert defects, failures, and maintenance uncertainty into clear repair pathways, reliability-based strategies, and lifecycle-informed asset decisions — delivered remotely, quickly, and at a fraction of the cost of an in-house function.

Veristruct operates on a remote-first delivery model from New South Wales. Work is scoped, produced, and submitted digitally — with clear deliverables, decision records, and standards-aligned documentation — supported by site attendance and digital capture (3D scanning, thermography) where a project requires it. Design and analysis for industrial, mechanical, and fabrication applications is provided directly; for projects in registered jurisdictions (QLD, VIC, ACT), regulated buildings, or wherever clients require registered certification, Veristruct prepares the full technical package and coordinates independent review and certification through registered engineering partners.



- ✓ Asset Management & Reliability Engineering (CTAM)
- ✓ Failure Analysis & Defect Investigation
- ✓ Repair Engineering & Design Documentation

- ✓ Maintenance Project & Shutdown Support
- ✓ 3D Scanning, Digital Twins & Thermography
- ✓ Welding & Fabrication Advisory (AS/NZS 2214)

S . 01

Asset Management & Reliability Engineering

CTAM-certified asset management and reliability support: maintenance strategy development based on reliability-centred maintenance and FMECA, criticality assessments, asset registers, defect and lifecycle planning, and condition-based recommendations aligned with ISO 55000 principles — supporting overhaul planning and long-term asset decisions.

S . 02

Welding & Fabrication Advisory

AS/NZS 2214-qualified welding supervision and advisory: weld procedure (WPS/PQR) development and documentation, weld repair methodology, welding inspection and QA support, NDT coordination, and fabrication compliance aligned with AS/NZS 1554 and AS/NZS ISO 3834.

S . 03

Failure Analysis & Defect Investigation

Structured investigation of mechanical and structural failures — causation analysis, contributing-factor assessment, technical reporting, and corrective strategies and controls that prevent recurrence, drawn from hands-on experience investigating catastrophic failures on heavy plant.

S . 04

Maintenance Project & Shutdown Support

Scoping, estimating, planning, and coordination support for shutdowns, overhauls, and offsite rebuilds — scopes of work, ITPs, work packs, contractor and vendor management frameworks, and QA/QC systems, informed by a decade supervising and coordinating major maintenance events.

S . 05

Digital Inspection & Asset Intelligence

High-density 3D scanning, digital twin generation, thermography, and data-supported defect tracking that provide measurable baselines, accurate condition insight, and traceable evidence for repair decisions, reliability programs, and compliance records.

S . 06

Repair Engineering & Design Documentation

Design development, engineering analysis, drafting, and repair documentation for structural and mechanical items across industrial, plant, and fabrication applications (excluding buildings and registrable plant) — prepared to applicable Australian Standards, OEM intent, and real site constraints, with independent registered-engineer certification coordinated where legislation or client requirements call for it.

S . 07

Quality, Compliance & Technical Documentation

Development and independent review of engineering change management documentation, safe work procedures, risk assessments, quality management systems, statutory compliance support material, technical reports, and procedures — clear, auditable deliverables suited to maintenance, contractor, and procurement environments.

03 WHY VERISTRUCT

◆ Reliability-led, not inspection-led

We go beyond identifying defects. Veristruct connects every defect decision to maintenance strategy, criticality, and lifecycle cost — so repairs solve the problem that caused them, not just the symptom.

◆ Trade-informed engineering judgement

Built on a genuine trades-to-engineering pathway. Advice on repair methodology, weldability, and maintenance execution reflects what actually works on plant and in workshops — not theory applied at a distance.

◆ Digital evidence for defensible outcomes

Advanced scanning, thermography, and digital modelling quantify defects, establish traceable condition baselines, and strengthen the technical basis for repair decisions and asset integrity records.

◆ Remote-first, procurement-ready delivery

Clear scopes, fast turnaround, practical deliverables, and standards-aligned documentation — with registered-engineer certification coordinated where legislation or clients require it.

04 CLIENTS & INDUSTRY APPLICATIONS

Veristruct supports asset owners, maintenance leaders, contractors, and operations teams across infrastructure, energy, manufacturing, fabrication, industrial plant, agriculture, and heavy equipment environments. Our services suit organisations that need responsive, well-documented engineering and reliability support without the cost of maintaining a permanent internal engineering function.

C . 01

Asset owners & maintenance leaders

Seeking rapid, well-documented response on structural and mechanical damage, failure investigations, maintenance strategy, and repair decisions to minimise downtime and protect asset value.

C . 02

Regional & mid-sized industrial operations

Needing immediate access to reliability engineering, asset management planning, and practical repair support without a permanent internal engineering or reliability function.

C . 03

Maintenance contractors, workshops & OEM repairers

Requiring repair methodology, welding and QA documentation, ITPs, scopes of work, estimating support, and independent technical review for quality-critical rebuilds and field delivery.

C . 04

Labour hire & engineering recruitment partners

Needing a dependable, insured contract resource for remote or hybrid placements covering reliability, maintenance engineering support, project coordination, QA/QC, and technical documentation roles.

05 STANDARDS, SCOPE & CREDENTIALS

CREDENTIALS PROFESSIONAL

Advanced Diploma of Engineering (MEM60122); Certified Technical Specialist in Asset Management (CTAM); Diploma of Project Management; AS/NZS 2214 Welding Supervisor; Certificate III Heavy Fabrication; functional safety training (AS 4024.1, AS 61508, AS 62061, ISO 13849); over 15 years of manufacturing, welding, engineering and project experience.

SCOPE PROFESSIONAL

Engineering design and analysis is provided independently for industrial, mechanical, and fabrication work in NSW and other non-registered jurisdictions. For work in or for QLD, VIC, or the ACT, and for regulated buildings or registrable plant, services are delivered under the supervision of — or independently certified by — appropriately registered professional engineers.

STANDARDS ALIGNMENT

Delivery aligned with relevant Australian Standards — including AS/NZS 1554, AS 4100, AS 3990, AS/NZS ISO 3834, and the AS 4024/AS 61508 functional safety suite as applicable — together with OEM design intent and asset-specific operating context.

SERVICE DELIVERY

Remote-first engineering review and documentation, supported by site mobilisation and digital capture where required, with clear reporting, deliverables, and decision records to support execution and auditability.

06 VALUE PROPOSITION

Veristruct provides responsive, remote-first asset integrity and reliability support for organisations that need technical certainty, practical repair direction, and compliance-ready documentation — without the cost of an in-house engineering function. We combine reliability-centred asset management, failure investigation experience, repair engineering, and digital inspection intelligence — grounded in a genuine trades-to-engineering pathway — to help clients make faster decisions, reduce unplanned downtime, and protect the value of every asset.

Our work is delivered with a strong focus on safety, traceability, engineering defensibility, and documentation suitable for maintenance, contractor, and procurement environments.

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