HAZARDPROOF

Capability Statement

Electrical Engineering specialising in Hazardous Areas – grounded in how your sites operate.

ISSUED
OCT 2026

VERSION
5

CLASSIFICATION | INSPECTION | AUDITING | ELECTRICAL ENGINEERING

+61 459 867 510 | chris.mapleson@hazardproof.com.au

Brisbane, Queensland

Who we are

A specialist firm with real operational experience behind it.

Established in 2024, HazardProof is a specialist hazardous area and electrical engineering firm. The business name is new - the experience behind it is not.

Our team has spent careers inside mining operations, live sites and safety-critical environments. That client-side perspective shapes how we assess risk, frame compliance and work with the people who operate each site every day.

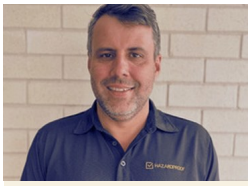
CORE TEAM

Chris Mapleson
Co-Founder & Chief Operations Officer

Luke Miller
Principal Electrical Engineer

EKK

Ethan King Koi
Senior Electrical Engineer



Dean Riley
Electrical & Operations Specialist

Olivia Mapleson
Co-Founder & Director

BUILT FROM THE CLIENT SIDE

- Recommendations grounded in live operational constraints.
- Senior technical people directly involved in the work.
- Practical pathways forward, not reports that sit on a shelf.

HOW WE WORK

- We work alongside your team, not around them.
- We explain the why behind findings and recommendations.
- We scale our support to suit the site, project and risk.

Technical depth of a larger consultancy. Direct access and responsiveness of a specialist firm.

Capability at a glance

Two practice areas. One focus: practical outcomes where getting it right matters.

HAZARDOUS AREAS	ELECTRICAL ENGINEERING
Hazardous area classification and design	Onsite and desktop compliance audits
Initial, detailed and periodic inspections	Site-specific electrical standards
Accredited auditing and compliance	HV, LV and control engineering support
Intrinsic safety assessments	Design review, construction and commissioning
Verification dossier development and review	Project engineering and management
Remediation planning and compliance support	Power-system modelling and analysis

INDUSTRIES

UNDERGROUND COAL	METALLIFEROUS MINING	OIL & GAS
DISTILLERIES	SPRAY BOOTHS	MANUFACTURING

CORE SERVICES:

Hazardous Areas

01 **Classification & Design**
Classification reports, drawings and design advice that reflect the real process, materials and operating conditions onsite.

02 **Inspections**
Initial, detailed and periodic inspections to confirm equipment and installations remain suitable for the classified area.

03 **Auditing & Compliance**
Accredited hazardous area auditing, clear findings and practical priorities to support regulatory and site requirements.

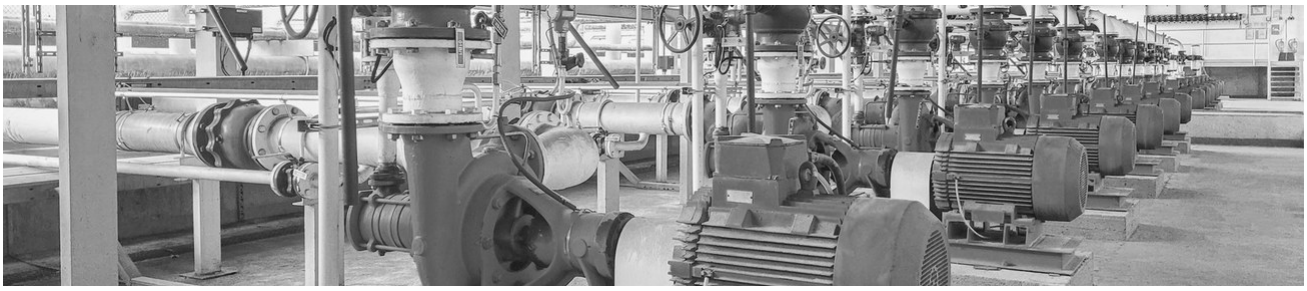
04 **Intrinsic Safety Assessments**
Assessment of intrinsically safe circuits, equipment and supporting documentation against applicable requirements.

05 **Verification Dossiers**
Development, review and maintenance of verification dossiers so compliance evidence stays accurate and audit-ready.

06 **Practical Path Forward**
We help your team understand where the site stands, what matters most and how findings can be closed out proportionately.

CORE SERVICES:

Electrical Engineering



01 **Compliance Audits**
Onsite and desktop reviews of electrical installations, systems and documentation against the requirements relevant to the site.

02 **Site Electrical Standards**
Development and review of practical standards covering electrical management, isolation, high voltage and other site-specific needs.

03 **Engineering Design & Review**
HV, LV and control engineering support across scoping, design, technical review and implementation.

04 **Project & Commissioning Support**
Project engineering, construction coordination, commissioning support and delivery oversight from scope through completion.

05 **Power-System Modelling**
Analysis to support system performance, design decisions, protection requirements and safe operation.

06 **Operationally Practical Advice**
Engineering that considers access, shutdowns, production requirements, maintainability and the realities of a live site.

People who've done the work

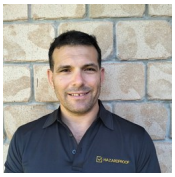
A growing core team with senior operational, engineering and business capability.

Chris Mapleson

Co-Founder & Chief Operations Officer

Accredited Hazardous Area Auditor | EEHA | ~20 years mining

Leads client engagement and hazardous area work, bringing experience across metalliferous and underground coal operations, electrical supervision, engineering management and project delivery.



Luke Miller

Principal Electrical Engineer

RPEQ | CPEng | B.Eng (Hons) | 20+ years

Electrical engineering expertise spanning HV/LV and control design, classification and design, power systems analysis, construction, commissioning and project management.

EKK

Ethan King Koi

Senior Electrical Engineer

RPEQ | CPEng | HA Equipment Design | 6+ years

Brings electrical governance and standards compliance experience from a national role at Opal Packaging, with project delivery across ports, oil and gas, mining and chemical manufacturing.

Dean Riley

Electrical & Operations Specialist

Queensland EEM | MBA | 18+ years underground

Combines electrical and operational leadership with reliability, compliance and business-improvement experience across major mining operations.

Olivia Mapleson

Co-Founder & Director

Marketing & Strategy | BBus | MSc in progress

Leads business strategy, client communication and growth, with nearly a decade in mining and industrial marketing and a developing focus on data-driven decision-making.

SPECIALIST NETWORK

HazardProof also works with trusted RPEQ/CPEng specialist partners in power systems, electrical and mechanical engineering, and major infrastructure delivery when a project requires additional depth.

HAZARDPROOF

Credentials & procurement

- Accredited Hazardous Area Auditor:
  - Chris Mapleson 02/0265
- RPEQ/CPEng-qualified engineering capability
- Queensland EEM capability
- Local Buy pre-qualified supplier
- ABN 93 676 617 575

PRE-QUALIFIED SUPPLIER local buy

LET'S TALK ABOUT YOUR SITE

Chris Mapleson
Co-Founder & Chief Operations Officer

+61 459 867 510

chris.mapleson@hazardproof.com.au

hazardproof.com.au

Brisbane, Queensland | Australia-wide support