

NEPEAN
Longwall

TM

CAPABILITY STATEMENT 2021



ABOUT NEPEAN LONGWALL

Established in the year 2000, NEPEAN Longwall has been successfully designing and delivering longwall equipment to the Australian market. At NEPEAN Longwall, we work closely with our customers to develop, design, engineer, integrate and support longwall equipment and systems. With sites in Queensland & New South Wales, we offer a full suite of after sales service, supporting products throughout their life cycle. NEPEAN Longwall have a knowledgeable, dedicated and motivated team who have demonstrated their specialised capability over many years to deliver longwall equipment and system solutions.

Designers and draftsmen have been strategically located at each of our service centres in order to meet the requirements of new equipment and overhaul modifications. Our professional and experienced project team utilises a comprehensive set of management tools to meet the unique needs of each customer site. At NEPEAN Longwall, we believe in listening to and working with our customers to form a great relationship. Our customer's preferences will form a key part of the design process, allowing the design to develop according to their needs.

Our dynamic and flexible approach is directly assisting the underground coal industry that seeks the same safe, consistent performance and reliability of products while seeking better value and compressed lead times. Customers who are ready for a step change in their operational costs are buying into our Direct Purchased Products Program that offers new levels of transparency and flexibility by connecting customers directly with offshore manufacturers. We utilise NEPEAN assets in Australia and overseas to extend our capability and NEPEAN Longwall's international workforce continues to grow to meet the demands of multiple large projects.

PRODUCTS AND SERVICES

NEPEAN Longwall has been a longwall Original Equipment Manufacturer (OEM) since 2001. Through the design and manufacture of many sets of AFC and BSL kits, the engineering team has refined the core product designs which have proved to be reliable and long lasting in the toughest mining conditions.

Our capabilities include:

- The design, manufacture and supply of armoured face conveyors to suit all OEM configurations.
- The design, manufacture and supply of Matilda style bootends, a unique boot end solution interfacing the longwall with the belt conveyor system
- Longwall packages which incorporate the design, manufacture and supply of longwall, shortwall and mini wall solutions, tailored to customer requirements.



DIRECT PURCHASED PRODUCTS

Direct Purchased Products are an example of where NEPEAN Longwall uses its experience and expertise to align quality suppliers with customer requirements. Our team has a transparent approach, which has been refined since 2011, to ensure consistent standards and quality outcomes.

Our Direct Purchased Products include:

- Electro-Hydraulics: repair, test and supply electronic components under certification, cables hydraulic valves, other OEM valves, manifolds and machined components.
- PRS Spares: engineer and supply cylinders, legs, relay bars, flippers, side shields, valves, manifolds, clevis blocks and shear pins to suit all OEM configurations.
- New Roof Supports: Supply of AFC, BSL chain, flights, fasteners and connectors. Loading into pods and transport spools.
- Crushers: design, manufacture and supply crushers designed to accept ROM coal produced at the longwall face and transform this into a belttable product.
- BSL: design, manufacture and supply beam stage loaders to suit all OEM configurations.
- Longwall Wear Parts: design, engineer and supply rack bars, dogbones, retainers, crusher hammers, and crusher impact elements to suit all OEM configurations.

PRODUCTS AND SERVICES



AFTER SALES SERVICE AND OVERHAUL

NEPEAN Longwall offers after sales maintenance programs designed to optimise asset life and minimise your operating costs. These include:

OVERHAUL

Refurbishment and overhaul of all NEPEAN, JOY and CAT face equipment via a flexible overhaul model. Our workshops in QLD and NSW are purpose built for the overhaul of longwall equipment with enough lay-down area to handle the largest projects. Well developed project management tools and techniques ensure that we meet the most sophisticated reporting requirements and our team of experienced staff ensures that equipment is repaired to exacting standards that will provide ongoing equipment longevity.

During overhaul, customers frequently have requirements for modifying their equipment based on operational imperatives. NEPEAN Longwall can assist you with the execution of these improvements and provide the engineering support to ensure the equipment achieves safe and reliable operation.

Our strong localised engineering capabilities provide operational, maintenance and site based services.

COMPONENT REPAIRS

Hydraulic, Valve and Electronic Repairs: Our Mackay workshop includes a hydraulic clean test room for the overhaul and service of electro-hydraulic components. We hold certification for the overhaul of certain OEM electro-hydraulic control products.

Gearbox Repair and Overhaul: Our Mackay facility has a specialised gearbox workshop with experienced personnel who can undertake AFC, BSL and Crusher gearbox overhauls as well as gearboxes from ancillary equipment.

SERVICE

NEPEAN Longwall's service teams provide on-call and routine support for all our equipment in the field. Together with input from our Engineering department, they provide Life Cycle Management reports and recommendations to ensure our equipment performs to both NEPEAN Longwall's and our customer's expectations and requirements.

Our service team also offers training to meet your mine site requirements which may include: hydraulic training, electro-hydraulic control systems, maintenance training and operator training. Some of our customers draw on these services to provide refresher training to crews prior to longwall relocations or installations.



PROJECT MANAGEMENT

NEPEAN Longwall maintains a strong Project Management team that will professionally manage all aspects of your longwall project. Each large project has NEPEAN oversight of the KPI's which are reported and reviewed monthly. Open communication with the customer and internal & external suppliers, ensures nothing is missed.



When managing projects in China, NEPEAN Asia provides engineering project management, procurement and supervision. Their work provides high quality communication and interpretation of requirements.

Comprehensive quality systems have been developed to assist our Chinese suppliers with all paperwork in dual languages. During these projects, a NEPEAN Asia representative is embedded in the supplier facilities, supported with regular visits by NEPEAN Longwall personnel from Australia. Quality is maintained and any issues that arise are quarantined and addressed with urgency.

CORE STRENGTHS

PEOPLE

- Trusted and highly experienced staff, both locally in Australia and in China
- Strong customer relationships
- Longwall domain experts

PRODUCTS

- Longstanding history in AFC and BSL product development and manufacturing
- Strong reputation for disrupting industry with low cost, locally sourced products
- Products to suit all OEM configurations

SERVICE & SUPPORT

- Refurbishment and overhaul specialists
- Site service engineers based in NSW and QLD
- On-demand stock and inventory
- Workshop facilities close to all coal fields

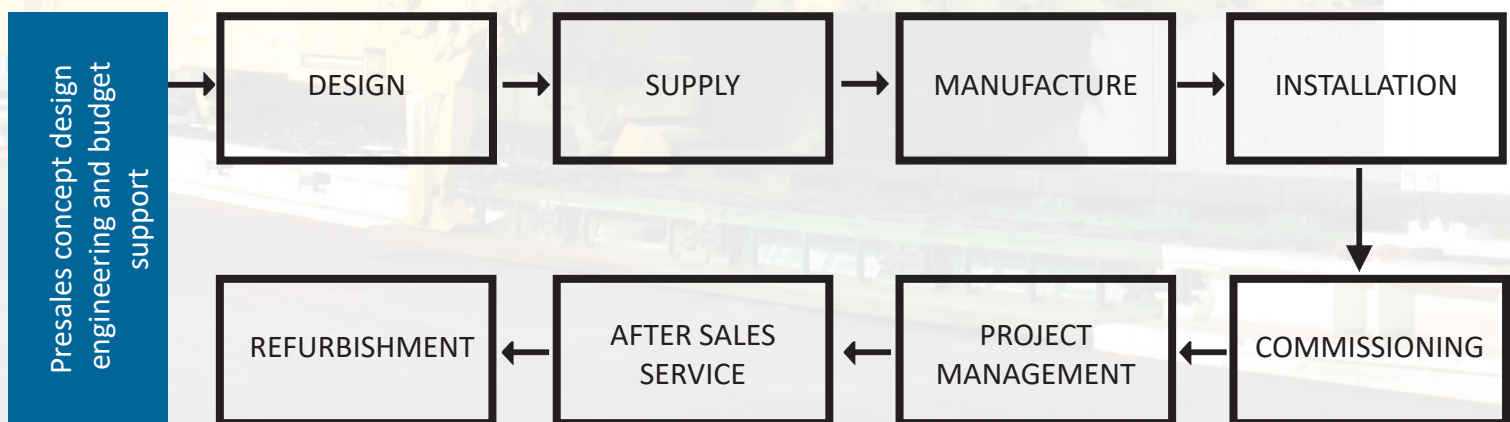
ENGINEERING CAPABILITY

- Strong design and engineering capability in Australia enhanced with off-shore detail drafting
- In-house discrete element modelling
- In-house finite element analysis
- In-house RPEQ Engineering availability
- Integration and compatibility specialists

FLEXIBILITY

- Local or off-shore manufacturing
- Local or off-shore design, engineering and documentation
- Supplier or client side contract engagement

LIFECYCLE COVERAGE - Concept to Disposal



LOCATIONS

MACKAY HEAD OFFICE AND WORKSHOP

Main Workshop:

- 1 x 130T, 1 x 20T and 1 x 10T overhead cranes
- 3300V, 1000V and 415V Electrical Supply
- 350 bar / 280 lpm Emulsion Pump
- 1700m² factory floor space
- Heavy fabrication capability and equipment

Electrical Workshop:

- Roof support control system repairs
- Tiefenbach trained and experienced personnel
- AS3800 Exi certified
- In-house experienced personnel with CAT PMCR control systems

Gearbox Workshop:

- Hydraulic power pack
- 100T Hydraulic press
- Custom tooling for longwall transmissions
- In-house Engineering Support
- Sprocket Overhauls
- Alternate sprocket ring supply

We have personnel with experience in the overhaul and repair of:

- Eickhoff Transmissions
- Preinfalk Transmissions
- CAT CST Transmissions
- Komatsu/Joy Transmissions



NSW OFFICE AND WORKSHOPS

Main Workshop - Rutherford:

- Purpose built to handle longwall equipment and includes integrated paint bay with 100T trolley
- 2 x 20T and 1 x 80T overhead cranes
- 3300V and 415V Electrical Supply
- 350 bar/280 lpm Emulsion Pump
- 2000m² factory floor space
- Large lay down areas and truck turning access

NEPEAN Engineering & Innovation - Narellan:

NEPEAN Engineering & Innovation is a strong partner in manufacturing and overhaul who assist us and extend our capability to support the Southern NSW coal mines.

Manufacturing at Rutherford

- There is a rich history of longwall manufacturing and overhaul at the site with the original AFC, BSL and Boot Ends designed and manufactured at Rutherford in 2001.
- Longwall equipment from mines throughout NSW and QLD has been through the Rutherford workshop for overhaul and refurbishment
- Large projects such as the overhaul of 153 roof supports have been successfully undertaken
- Shearer compatibility trials have been regularly conducted on the site.



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NSW BRANCH AND WORKSHOP

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