

BULL HEAD SERVICES PTY LIMITED

Consulting Engineers to the Rail and Road Transport, Quarrying, Building,
Civil Engineering and Resource Industries

ABN 46 099 733 749



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Dear Customer,

RE: CAPABILITY STATEMENT - BULL HEAD SERVICES - 2010

Background:

In February 2002, after 27 years of engineering and management experience, David Bull established Bull Head Services Pty Limited to provide consulting services to the Land Transport, Rail Infrastructure, Quarrying, Building, Civil Engineering and Resource Industries.

David is able to serve the full spectrum of rail industry clients and their projects after having, at that time devoted at least 18 years to this industry. This included equipment manufacture, project management, contracting and consulting roles for government, private railway companies and major infrastructure maintenance providers.

Bull Head Services is able to offer at least the following services to suit specific client needs:

- Systems Assurance and Planning;
- Maintenance Management and Asset Management;
- Risk Analysis Management;
- Rail Safety Accreditation Documentation, including Boundary & Safety Interface Agreements;
- Expressions Of Interest (EOI) and Tender (Request for Proposal - RFP) Support;
- Documentation & Estimating Assistance;
- Project Management and Work-Site Support Services;
- Trouble-Shooting Assignments;
- Condition & Configuration Inspections and Works Scoping Assessments;
- Technical Reports;
- Business Development and Tender Support;
- Technical Reports;
- Project Review & Planning Assistance;
- Maintenance and Asset Management; and
- Site Configuration & Condition Inspection.

Skill Set:

David's skills are a mix of the analytical engineer, being appropriate to the step by step preparation of documentation, procedures and bids, requiring simultaneous 'eye for detail' to those of the 'big picture' decision maker required for project management.

His key competencies include strategic planning consistent with the client's objectives and the ability to successfully deliver the project, on time and within budget.

His management expertise includes project development and management, risk management, rail safety accreditation and safety management systems, asset management, systems assurance & maintenance planning.

Clients & Assignments:

- **Transfield Services (TSL)** – Provide Rail Accreditation services in connection with TSL's RFP Submission to the Rail Infrastructure Corporation (RIC) to Provide Management, Maintenance and Operations Services associated with the NSW Country Regional Network (CRN).
- **Leighton Contractors Pty Limited (LCPL)** - Assistance with MPM services and provide strategic advice.
- **Australian Rail Track Corporation (ARTC)** – Field inspections and prepare scoping for MPM Projects in ARTC NSW South West CRN.
- **Australian Rail Track Corporation (ARTC)** – Prepare Draft Hunter Valley 200 Plan Plan and Guidelines
- **Bilfinger Berger Services Australia (BBSA)** – Provide railway engineering assistance for tender purposes.
- **Australian Rail Track Corporation (ARTC)** – Prepare Draft Disengagement Plan of the NSW Country Regional Network (CRN).
- **Fluor Global Services Australia Pty Ltd** – Provide Rail Accreditation services in connection with Fluor's EOI Submission to the Rail Infrastructure Corporation (RIC) to Provide Management, Maintenance and Operations Services associated with the NSW Country Regional Network (CRN).
- **Transfield Services (TSL)** - Provide Rail Track Structural Assessment Report for Vales Point Power Station Rail Unloading Balloon Loop Track for proposed increase from 25TAL to 30TAL.
- **Enhance Place Pty Ltd** – Provide advice for the possible reinstatement of the former Lidsdale to Wallerawang Private Siding at the Pine Dale Coal Mine.
- **BHP Billiton – Illawarra Services Pty Limited** – Provide Rail Safety Accreditation Support Services for the Kemira Valley (Nebo Main) Coal Line.
- **Abigroup Contractors Pty Ltd** – Provision of Rail Strategy Support Services.
- **Transfield Services (TSL)** - Provide support to TSL's RIC Country Overbridges Project in upgrading their Rail Safety Management System.
- **Australian Rail Track Corporation (ARTC)** - Provide RailCorp Possessions Planning Interface and Trackwork Support for the construction of the new Southern Sydney Freight Line (SSFL) between October 2008 and November 2009.
- **DESEC Limited** – Provide market research for business development to their Finnish owners for expansion into the Australasian market.
- **John Holland Rail Pty Limited (JHR)** - Provide support of Rail Safety Accreditation and Interface Coordination Plans.
- **Bilfinger Berger Services Australia (BBSA)** - Prepare documentation for Rail Safety Accreditation Application to the Department of Transport, Energy and Infrastructure (DTEI), South Australia for the maintenance of the Bascule Rail Bridge on the Port River Expressway (PREX) Project in Port Adelaide.

- **United Group Infrastructure (UGI)** - Provide review of Rail Safety Compliance, including desktop and field audits.
- **Leighton Contractors Pty Limited (LCPL)** - Assist in the preparation of documentation and systems to enable LCPL to apply for Rail Safety Accreditation under the various Australian state based rail safety regimes.
- **Australian Rail Track Corporation (ARTC)** - Prepare Project Scope of Works Inspections and Reports for MPM Activities (including Structures, Level Crossings and Formation / Drainage Works) for ARTC South West Region's Lease of the NSW Network (North - South Corridor).
- **Westray Engineering Pty Ltd** – Provide technical assistance in the manufacture of mechanically insulated joint assemblies.
- **Unipart Rail** – Provide business development support for UK owners for expansion into the Australian market.
- **Track Australia Pty Ltd** - Provide Rail Safety Accreditation Assistance as "Knowledge Consultant", 2006, 2007 & 2008.
- **Delkor Rail Pty Ltd** – Preparation of business case submission for Magna-Switch Project.
- **Rail Corporation NSW** – Preparation of 2008/09 to 2017/18 Asset Management Plan for their Buildings and Sidings Unit, and on behalf of their Strategic Asset Management (SAM) Division.
- **Rail Track Association Australia (RTAA)** - Provide services of Secretary to the RTAA for 2007, 2008 & 2009.
- **Transfield Services (TSL)** - Assist with detailed planning of MPM Activities on Airport Line rail project for 2008, including ballasting, resurfacing and rail grinding.
- **Rail Track Association Australia (RTAA)** – Prepare History of Rail Sleeper Association Australia, Rail Track & Sleeper Association and Rail Track Association Australia and of Life Members.
- **United Group Infrastructure (UGI)** - Provide Rail Safety Accreditation Assistance as "Knowledge Consultant", including desktop and field audits.
- **John Holland Rail Pty Limited (JHR)** – Provide business development support to JHR and sales support for their Fessl Rail Parts and Products business venture.
- **Rail Corporation NSW** – Preparation of alliance contract documentation for the outsourcing of design, procurement and installation of up to 40 new turnouts per annum between 2008 and 2013 for RailCorp Commercial Renewals, Trackworks. The proposed Contract was advertised as a public tender in October 2007 and became known as the Track Services Alliance (TSA).
- **Rail Corporation NSW** – Preparation of feasibility study for plain track grinding and turnout grinding for RailCorp Commercial Renewals, Trackworks to submit to RailCorp Board.
- **Transfield Services (TSL)** - Review of their 2002/03, 2003/04, 2004/05, 2005/06, 2006/07, 2007/08 & 2008/09 Asset Management Plans for the Airport Line, as their Knowledge Manager.
- **Toll Rail Limited NZ** – Provide rail infrastructure assistance for Toll Rail's Track Access Agreement with ONTRACK New Zealand.

- **Rail Corporation NSW** – Preparation of Technical Specification for New Turnout Grinding Contract for RailCorp Track Renewals.
- **Seimens Limited** – Provide Rail Safety and Below-Rail Expertise assistance to Aurora Rail Partnership PPP for RailCorp's new suburban passenger fleet tender.
- **Rail Corporation NSW** - Provide Maintenance Planning Support to the Maintenance Manager of the new Epping to Chatswood Rail Line (ECRL), for RailCorp Major Projects Division.
- **MVM Rail Pty Ltd** - Provide Rail Safety Accreditation Assistance as "Knowledge Consultant".
- **GrainCorp Operations Limited** - Provide Rail Safety Accreditation Assistance as "Knowledge Consultant".
- **Leighton Services Pty Ltd** – Provide Tender Support to the Leighton / QR Joint Venture to provide rail infrastructure maintenance services to ONTRACK New Zealand's Rail Network.
- **Rail Corporation NSW** - Provide Project Coordination Support for the renewal and / or replacement of RailCorp's Overhead Wiring Maintenance and Construction Train Consist and Road-Rail Catenary Maintenance Vehicles, for RailCorp Electrical Renewals.
- **Rail Corporation NSW** - Prepare Technical Specification for New Plain Track Rail Grinding Contract for RailCorp Track Renewals.
- **Rail Corporation NSW** - Prepare Technical Specification and Contract Documentation for Turnout Renewal by Design & Construction Contract, for RailCorp Track Renewals.
- **Speno Rail Maintenance Australia** – Provide "Knowledge Consultant" services to progress Rail Safety Accreditation Documentation for their NSW operations.
- **Transfield Services (TSL)** – Assist with the review of Due Diligence documentation for mergers and takeovers, including Alstom Australia.
- **United KFPW** – Review of Rail Safety Documentation of a Tender Bid Submission.
- **Speno Rail Maintenance Australia** – Assist in programming of Rail Flaw Detection Testing on ARTC's NSW Network.
- **Vossloh Australia** – Assist in the acquisition of Delkor Australia and Delkor Hong Kong to purchase the rights of the Clouth Cologne Egg and Alternative One Track Fastening Systems and associated rail track noise and vibration attenuation products.
- **Rail Infrastructure Corporation (RIC)** – Review RIC's existing Process Control Plans (PCP's), Job Safety Analyses (JSA's), and Inspection and Test Plans (ITP's) and assist in developing documentation to comply with new Rail Safety Accreditation Track Certification requirements for RIC Projects and Support Division.
- **Transfield Services (TSL)** – Assist in Preparation and Facilitation of various Boundary and Safety Interface Agreements between TSL and its associated stakeholders on the Sydney Airport Line.
- **Australian Rail Track Corporation (ARTC)** – Prepare Transition Plans and associated documentation for ARTC's proposed takeover of a 60-year Lease of the NSW Country Rail Network in 2004 – Including:
 - Railway Bridge structure. Staff Balancing of new and seconded employees, between Leased and Residual Network,

- Review and Population of Mincom Ellipse Asset Database, Review of Engineering Standards,
 - Preparation of Agreements for Ultrasonic Rail Testing and Rail Grinding,
 - Provide Project Coordination of the Concept Design Process on the Southern Sydney Freight Line between Macarthur and Sefton Junction,
 - Provide Project Documentation support for the replacement of the Wagga Wagga.
- **Barclay Mowlem Construction Limited (BMCL)** – Provide Business Development Consulting assistance and Tender support.
 - **Works Infrastructure – Downer EDI Limited** – Provide Review of Developments in potential growth in the Australian Railway Industry.
 - **Rail Infrastructure Corporation (RIC)** - Undertake Review of Track Geometry Design Standards and Speed Signs for RIC Metropolitan Operations.
 - **Pacific National Limited (PNL)** – Review of NSW Grain Line Rail Costing Model and proposed Track and Structures Upgrade Proposals.
 - **Coordinator General of Rail (OCGOR)** – Undertake Infrastructure Maintenance Audit Review of portions of RIC's NSW Rail Network, following the Transport NSW 2001 and 2002 Rail Safety Audits.
 - **Pandrol Australia Pty Ltd** – Undertake Life Cycle Analysis Study on the Pandrol FASTCLIP versus Pandrol e-clip assemblies.
 - **Transfield Services (TSL)** – Provide Transfield Services with Rail Track and Civil Engineering Infrastructure Support Services on the Airport Line, under a Period Contract – Including WTSA, Kinematic Clearances, Maintenance Programs and Incident Reporting assistance.
 - **CRT Group** – Assist in the development of track stabling facilities for their Cargo-Sprinter with Port Botany Freight Terminal.
 - **Rail Infrastructure Corporation (RIC)** – Scope, Documentation and Contract Management of Sub-Contract Tenders for Major Periodic Maintenance Works in the Sydney Metropolitan Region, for RIC Projects and Support Division.
 - **Transfield Services (TSL)** – Inspect and Report on Track Condition and Rail Creep at Airport Line.
 - **Australasian Railway Association (ARA)** – Undertake Due Diligence of the AROU's process of developing the National Code Of Practice for the Defined Interstate Rail Network, in anticipation of ARA's acquisition of the Code.
 - **Transport NSW (DOT NSW)** – Prepare Below Rail Benchmarking Strategy, Condition Assessment, Upgrading Proposals and Cost Estimates for the NSW Restricted Grain Lines in response to the NSW Farmers Federation Green Paper.
 - **Australian Rail Track Corporation (ARTC)** - Prepare Budget Costing and assess Transit Time Benefits for Double Stacking of Containers between Melbourne and Brisbane.
 - **Transfield Services (TSL)** – Assist in the Preparation of Budget Estimates for Routine Maintenance of the Airport Line Central Turnback.

- **Australian Rail Track Corporation (ARTC)** – Assist in the preparation of Asset Management Plans for each of the six Corridors on the NSW Defined Interstate Network.
- **Transfield Services (TSL)** – Assist in the Preparation of 2002 & 2004 Track & Tunnel Asset Management Plans for Airport Line.
- **GHD Pty Ltd** – Review of ARTC Proposal to NSW Government for a 60 Year Lease of the Defined Interstate Network.
- **Yarra Trams, Melbourne** – Assist in the Due Diligence for acquisition of M>Trams from National Express Group.
- **Vossloh Schwabe Australia Limited** – Prepare Australian Railway Industry Report.
- **Transfield Services (TSL)** – Review Welded Track Stability Analysis (WTSA) for Airport Line.
- **Barclay Mowlem Construction Limited (BMCL)** – Trackwork Tender for Spencer Street Station Redevelopment to Leighton Contractors.
- **Maritime Container Services (MCS)** - Upgrade Proposals at Cooks River Yard for Rail Personnel.
- **Patchton Investments** - Civil, Drainage & Foundation Certification Review.
- **Rail Infrastructure Corporation (RIC)** – Project Coordination Responsibilities – Port Botany Line Freight Rail Project – Multi-Discipline Design & Investigation Coordination Management, for RIC Engineering Projects.
- **Queensland Rail (QR)** – Tender Assistance and Management Plans (incl Rail Safety, Construction, Maintenance, Asset, Environmental, etc) for the Baulderstone Hornibrook – Bilfinger Berger Joint Venture's Parramatta Rail Link Systems' Tender.
- Private Consultancy Reports to Financiers, Investors and Legal Counsels.
- Building Inspections on Residential Units and Homes for Private Landlords.

Experience:

Rail Industry:

- As Transfield Services' Industry Development Manager - Rail, between 1997 and 2002, David was a key member of Transfield's successful bid team for infrastructure maintenance contracts with:
 - Tranz Rail New Zealand (NZ\$50m pa),
 - Australia Southern Railroad for South Australian Freight Lines and BHP OneSteel, Whyalla (\$12m pa).
 - Australian Rail Track Corporation (\$25m pa)
 - Yarra Trams Franchise (\$82m pa) between 1997 and 2002, and
 - The acquisition of Australian National's Infrastructure Services Maintenance Group in 1997.
- Maintenance development and implementation of high profile Build Own Operate & Transfer (BOOT) Projects such as New Southern Railway (The Airport Line) Brisbane Airport Rail Link for Transfield between 1999 and 2001.
- Managed Transfield's Rail Safety Accreditation for operations in New South Wales, Victoria, South Australia, Western Australia and Queensland.
- Contract resurfacing for Fiji Sugar Corporation for Fessl Pty Ltd (1997).

- Eraring Balloon Loop, near Newcastle for Ulan Coal on behalf of John Holland Pty Ltd (1992).
- Various track upgrading projects between 1976 and 1991 including:
 - NSW South Western Grain Lines as Assistant Division Engineer, Cootamundra with PTC of NSW,
 - Trackwork Project Engineer for the Gosford to Newcastle Electrification Project with PTC of NSW,
 - Project Engineer for the Thevenard Balloon Loop for Boral Australian Gypsum, and
 - NSW North Coast Tracklaying Project Manager for John Holland Constructions Pty Ltd).
- Acting Division Engineer, Tamworth and Upgrading Engineer, Public Transport Commission at Newcastle (1979 – 1980).

Quarrying & Resources Industries:

- Commissioning Manager for 1000 TPH Blast Furnace Slag Plant at BHP Port Kembla for Australian Steel Mill Services (1990).
- Upgrading of gypsum and salt rail unloading and ship loading facility at Ceduna, South Australia for Boral Australian Gypsum / Gypsum Resources Australia (1984).
- Upgrading & quarry management of a 250 TPH hard rock granite quarry crushing and screening at Kota Bharu, Malaysia for BMI International Division (1982 to 1983).
- Development, procurement and management of a portable 180 TPH sand and gravel crushing and screening plant for BMG (Country) at Muswellbrook in NSW (1981).

Road Industry:

- Slip Form Concrete Paving for the Sydney Gore Hill Freeway for John Holland Constructions (1991).
- Pioneered the development of high strength nil-slump Roller Compacted Concrete Pavements in NSW, Victoria & South Australia for Boral Rollcrete (1988 - 1990).
- Managed cementitious stabilised pavement construction for Boral Stabilex (1984 - 1988).

International Railway Track and Infrastructure Maintenance Technology Experience:

- In July 2001, David undertook a Rail Study Tour of Europe which included visiting the rail grinding operations of the Speno International associate companies in Venice, Italy of Abrasivi Speciali Industriali SPA and Mecnafer SPA and the tramway operations of Semitag (a Transdev Company) in Grenoble, France. The study tour included various rail operations in Italy, France, Spain and the Netherlands.
- David was a Delegate and Guest International Forum Panel Speaker at the VDEI 23rd International Exhibition of Track Technology (iaf) in Münster, Germany from 13 May to 15 May 2003. Site visits included the rail maintenance manufacturing equipment facilities of Plasser and Theurer in Linz, Austria. The study tour included various rail operations in Germany, Austria and the Netherlands.
- Attended the Rail Solutions Asia Conference in Taipei from 12 May to 14 May 2004 including site visits to the Taiwan High Speed Rail Project. Held meetings with Austrade in Taipei.

- Rail study tour to Bangkok in January 2005 including visits to State Railway of Thailand, Bangkok Skytrain (BTS) and Bangkok Metro Underground System.
- Delegate at the 8th International Heavy Haul Conference (IHHC) in Rio De Janeiro, Brazil during June 2005 and for the Post-Conference Technical Tour to the Iron Ore Railroad Port of Companhia Vale do Rio Doce (CVRD) in Vitoria, Espirito Santo, Brazil.
- In January / February 2006, David undertook a rail study tour of South Africa and Zambia which included visits to the Spoornet OREX Heavy Haul Iron Ore Line from Sishen to Saldanha, the Spoornet Bay Heavy Haul Coal Line from Witbank to Richards Bay and also the junction of the Zimbabwe and Zambian Railway Systems above Victoria Falls. In addition, David undertook visits to Spoornet field sites and manufacturing facilities with contractors and suppliers including Plasser Railway Machinery SA (Plasserail), Railway Mechanised Maintenance Company (Ramco), Lennings Rail Services and Pandrol SA.
- David was a Delegate at the VDEI 24th International Exhibition of Track Technology (iaf) in Münster, Germany from 30 May to 1 June 2006. The study tour included various rail operations in Singapore, Italy, Germany, Austria, the Netherlands, France, UK and Bangkok. Site visits included a site to railway construction works at St Pancras Station, London, as Contract 105 of the Channel Tunnel Crossing Rail Link Project, being undertaken by Costain Bachy O'Rourke Joint Venture, to construct a new rail terminal for the Eurostar trains arriving from France. Mowlem Rail (a Carillion plc Group company) are undertaking the rail works and three types of Pandrol resilient rail fastenings are being installed - FASTCLIP, VIPA and VANGUARD.
- Rail study tour to Hong Kong, Vietnam and Bangkok in January 2008 including visits to MTR Hong Kong including the construction of the new West Rail Project at Kowloon West Station by the Link 200 Joint Venture (Leighton Asia, Balfour Beatty, Kumagai and John Holland), Vietnam National Railways in Hanoi, State Railway of Thailand and Bangkok Skytrain (BTS). Held meetings with Austrade in Hong Kong.
- David was a Delegate at the INNOTRANS 2008 Railway Exhibition, Berlin, Germany between 23rd and 26th September 2008. The study tour included various rail operations in Germany, France, Belgium, the Netherlands, Singapore and Malaysia. Site visits included inspection of night-time rail grinding activities between Schiphol and Amsterdam for the NS Railways, being undertaken by a Speno RR16M10 Rail Grinder.
- David was a Delegate at the 9th International Heavy Haul Conference (IHHC) in Shanghai, China during June 2009; including travelling on the 430kmph Shanghai Transrapid Maglev Train from Shanghai International Airport.
- Rail study tour to Hong Kong, Kuala Lumpur and Singapore in December 2009 / January 2010 including visits to MTR Hong Kong, KTM Malaysia and MRT Singapore. Held meetings with Austrade in Kuala Lumpur.

Professional Memberships:

- Institution of Engineers, Australia - MIE (Aust) since 1980.
- Chartered Professional Engineer No: 88057.
- The Australasian Railway Association (ARA) – Executive Committee Board Member in 2000, 2001 and 2002.
- Member of Civil Infrastructure Advisory Group (CIAG) for Industry Codes of Practice for Defined Mainline Interstate Network for AROU.
- Rail Track Association Australia (RTAA) – Vice President – 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 & 2009. Secretary & Treasurer – 2002 to 2005.
- Rail Track Association Australia – RailCorp Industry Field Day Committees for 2006, 2007 and 2010.

- Permanent Way Institution, NSW Section - Fellow, (Membership Secretary 1995 to 2007 and Private Industry Judge for the Platelaying Award, 1995 to 2002).
- Permanent Way Institution, NSW Section - Awarded Life Membership in 2005.
- Permanent Way Institution, Queensland and South Australia Sections Member since 2002.
- Railway Technical Society of Australia (RTSA) – Previous NSW Committee Member (PWI and RTAA Representative).
- AusRAIL Organising and Technical Committee Member since 2003.
- Institute of Quarrying – MIQ since 1983.
- ARA Rail Skills and Career Council Member (2005)
- ACPave Committee - Australasian Concrete Pavement Association.

Bull Head Services looks forward to working with and supporting our clients to achieve their milestones and deliverables.

Yours sincerely

David Bull
Director and Company Secretary