



12/4/2015

# CURRICULUM VITAE

Adam Doyle



## CAREER HISTORY

Adam is a Principal Civil/Structural Engineer and Project/Construction Manager with experience in the design, construction, project management and supervision of mining infrastructure, civil infrastructure, municipal and multidisciplinary engineering projects. He has undertaken various roles during this time including Engineering Manager, Engineering Superintendent, Civil Project Superintendent, Specialist Civil/Structural Engineer, Discipline Lead, Senior Civil Engineer, Civil Field Engineer, Structural Engineer, and Development Engineer.

His experience includes projects involving concrete and steel structures, conveyors, underground piping, haul road design, tailings facilities, pipelines, mine water dams, urban roads and streets, bulk earthworks, ground remediation, stormwater infrastructure, hydrological and hydraulic modelling, priority infrastructure planning, buildings and structures. He has worked for various clients in the private and public sectors including local municipalities, private and commercial property developers as well as national and international mining companies.

## CONTACT INFORMATION

### CURRENT ADDRESS

West End, QLD, 4101

### FIFO POINT OF HIRE ADDRESS

Brisbane

**Mobile**            **0419 251 127**

**Email:**            [adam@techservicesaustralia.com.au](mailto:adam@techservicesaustralia.com.au)

## PERSONAL INFORMATION

**Date of Birth**            13/02/1978

**Marital Status**            Married (2 Children)

**Place of Birth**            Sydney, NSW, Australia

**Current Licenses**            QLD; MC (Multi-combination) and RE (Motorcycle)

## EDUCATION

Bachelor of Engineering (Civil Hon) - University of Newcastle

## PROFESSIONAL MEMBERSHIPS

Member of the Institute of Engineers Australia (MIEAust)

Member of the Geomechanics Society of Australia

## LANGUAGES

English

## PROFESSIONAL HISTORY - SUMMARY

January 2013 - Present

**Technical Services Australia Pty Ltd**

(Brisbane, Queensland)

Director and Principal Civil/Structural Engineer

July 2009 – April 2010

**South Burnett Regional Council**

(Kingaroy, Queensland)

Development Engineer

January 2014 – August 2015

**Middlemount Coal - Middlemount**

(Middlemount, Queensland)

Superintendent - Projects

February 2006 – July 2009

**Bechtel Australia**

Various Project Based EPCM Contracts and Studies  
(Newcastle, NSW and Brisbane, Queensland)

Civil Structural Engineer and Field Engineer

December 2011 – January 2014

**Rio Tinto Alcan – Yarwun**

(Gladstone, Queensland)

Specialist Civil/Structural Engineer

December 2005 – February 2006

**Daracon Engineering**

(Newcastle, New South Wales)

Trainee Civil Engineer

April 2010 – November 2011

**AECOM Australia Pty Ltd**

(Townsville, Queensland)

Senior Civil Engineer

## DETAILED EMPLOYMENT HISTORY

### TECHNICAL SERVICES AUSTRALIA PTY LTD

(Queensland)

Jan 13 to Current

**Title: Director and Principal Civil Structural Engineer**

Director - Consulting Entity

### MIDDLEMOUNT COAL PTY LTD

(Middlemount, Queensland)

Jan 14 to August 15

**Title: Superintendent – Projects (Fixed Term – 18months)**

**Roles undertaken during engagement include; Project Superintendent, engineering manager, project manager, contract manager, construction manager** all within the site based mine management team.

Key Projects Delivered:

- Bingeang Pipeline Relocation - \$27M
- Tailings Storage Facility 2 Upgrade - \$7M
- 2GL Mine Water Dam - \$8M

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- Site Access Road - \$500k
- Sediment Dam 7 - \$1.2M
- Top Soil Strip – Strip 10, 11 - \$500k
- North ROM Extensions - \$750k
- North ROM Haul Road - \$500k
- 2015-2018 Capital Plan Development
- Western Levee - \$250k
- In-Pit Dumping Strategy for Coal Tailings
- Underground OoM Study

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### RIO TINTO ALCAN

*(Gladstone, Queensland)*

*Dec 11 to Jan 14*

**Title: Specialist Civil/Structural Engineer**

**Roles undertaken during engagement; Specialist Civil/Structural Engineer, Acting Engineering Manager, Engineering Superintendent, Discipline Lead and Project Lead** within the site based engineering team.

Key Projects Delivered:

- 2013 Tailings Wall Raise \$50mill
- 2012 Tailings Wall Raise \$57mill
- Tailing Decant upgrade \$250k
- 270 Pipe Support Rectification \$500k
- 270 Area Modifications \$5mill
- 670 Suction Pump Sump \$500k
- 330 Mud Washer Platforms
- Lube Shed
- Containment Ponds \$2mill
- Car parks \$300k
- Ball Mill Workshop \$1mill
- 452 Disk Filter Beam Stiffening \$1mill
- Site Stormwater Pumping Project \$2mill

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### AECOM AUSTRALIA PTY LTD

*(Townsville, Queensland)*

*April 10 to Nov 11*

**Title: Senior Civil Engineer and PM1**

**Senior Civil Engineering, Design Project Manager and Senior Project Engineer** within the Townsville Infrastructure Group.

**Some Key Projects Delivered per Client include:**

#### **Queensland Nickel Pty. Ltd**

- Solar Drying Area Rehabilitation.
- Clean Water Diversion Project.
- Engineering Car park and Brownfield Warehouse Drainage Project
- Radial Stacker Hardstand Investigation and Recommendation
- Dryer Change Out Hardstand Project

#### **Incitec Pivot Limited**

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- Waste Water Storage Pond Project
- Gypsum Stacking Expansion
- Haul Road Diversion Drainage Project

### Arrow Energy Limited

- Moranbah Engineering Car Park and Storm Water Project.

### BHPB Cannington

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| <ul style="list-style-type: none"> <li>▪ Brownfield's Realisation 3 Project</li> <li>▪ Berth 11 First Flush System</li> <li>▪ Port Stormwater Water Storage System</li> </ul> | <ul style="list-style-type: none"> <li>▪ Yurbi Concentrate Shed Extension</li> <li>▪ Cannington Village Expanse for CBE3</li> </ul> |
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### Department of Defence

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| <ul style="list-style-type: none"> <li>▪ Lavarack Barracks Enhanced Land Force</li> <li>• B-Squadron Extension</li> </ul> | <ul style="list-style-type: none"> <li>• Design Package B</li> <li>• Design Package C</li> </ul> |
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### Queensland Sugar Limited

- Port Warehouse Roof Rehabilitations

### Townsville City Council

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| <ul style="list-style-type: none"> <li>▪ NDRRA – Stanley Street Culverts</li> <li>▪ NDRRA – Riverway Drive, Bikeway</li> </ul> | <ul style="list-style-type: none"> <li>▪ NDRRA – Woolcock St, Lake</li> </ul> |
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## SOUTH BURNETT REGIONAL COUNCIL

*(Kingaroy, Queensland)*

*July 09 to April 10*

***Title: Development Engineer***

**Civil Engineering, Project and Contractor Management within the Councils Engineering Team.**

**Some Key Tasks include:**

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| <ul style="list-style-type: none"> <li>• Detailed material take off's and estimates</li> <li>• Recommendations</li> <li>• Development conditioning</li> <li>• Condition compliance checks</li> <li>• Contract and tender preparation</li> </ul> | <ul style="list-style-type: none"> <li>• Bid reviews</li> <li>• Safety inspections</li> <li>• Hydraulic and Hydrologic modelling using HEC-HMS, XPRafts, EPASWMM</li> </ul> |
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**Some Key Designs include:**

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| <ul style="list-style-type: none"> <li>• Major Culvert and Bridge Crossing Designs – Piers, Abutments, Approaches, Hydrologic, Hydraulic, Geotechnical, general civils</li> <li>• Urban Road Design – Pavement design and hydraulic design including table drains, culverts relieving swales.</li> </ul> | <ul style="list-style-type: none"> <li>• Industrial and residential sub division storm-water system checks and re-designs</li> <li>• Design of complete brownfield stormwater management system for the township of Blackbutt.</li> </ul> |
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## BECHTEL AUSTRALIA

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### RIO TINTO - SOUTH OF THE EMBLEY FEASIBILITY STUDY – WEIPA (BECHTEL)

*(Brisbane, Queensland)*

*November 08 to July 09*

**Title: Civil Engineer**

**Some Key Tasks of the Role include:**

- Detailed material take off's
- Recommendations
- Work packaging
- Contract preparation – scope definition, quantities take offs
- Contract award
- Bid reviews
- Constructability reviews
- Design criteria preparation
- Hydraulic and Hydrologic Modelling
- Structural Modelling

**Some Key Designs include:**

- Haul road design (CAT 793);
- 40kms of general traffic access road hydraulic design including table drains, culverts, relieving swales and also the pavement design over varying sub grade conditions ranging from CBR's of 3% to 40%
- Mine Industrial area storm-water system design
- Fuel storage facility, bunding, liner, storm water and oil water separator design
- Dump station ramp design
- Berm design using SlopeW
- ROM RE Wall Design
- Wharf drainage design.

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### RIO TINTO - PWCS MPC STUDY (BECHTEL)

*(Newcastle, New South Wales)*

*July 08 to November 08*

**Title: Civil/Structural Engineer**

**Some Key Tasks of the Role include:**

- Detailed material take off's
- Bids Reviews and Recommendations
- Work packaging
- Contract preparation – defining scope, quantities
- Contract Award
- Quantity tracking using BSP software e.g. Teamwork's

**Some Key Designs include:**

- Heavy vehicle access road design
- Hydraulic design of de-sedimentation systems
- Lifting beams
- Finite Element Analysis and Design
- Custom Culvert Structural Design

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**RIO TINTO - PWCS PROJECT 3EXP (BECHTEL)**

*(Newcastle, New South Wales)*

*May 08 to July 08*

**Title: Civil Field Engineer**

**Some Key Tasks of the Role Include:**

- Project management
- Lift plan calculations
- Construction integrity calculations
- Recommendations
- Installed Quantity tracking for progress claims
- QA Control
- Construction Progress Reporting

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**RIO TINTO - PWCS PROJECT 3EXP (BECHTEL)**

*(Newcastle, New South Wales)*

*July 07 to May 08*

**Title: Structural Engineer**

**Some Key Tasks of the Role Include**

- Recommendations
- Work packaging
- Preparation of material requisitions
- Quantity tracking

**Structural designs include:**

- Conveyor tail frame post strengthening
- Retaining walls
- Piles
- Bored piers
- Stone columns
- Culvert structural design
- Suspended slabs
- Small machinery sheds
- Minor foundations.

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**RIO TINTO - PWCS EAI EARLY WORKS (BECHTEL)**

*(Newcastle, New South Wales)*

*January 07 to July 08*

**Title: Structural Engineer**

**Some Key Tasks of the Role Include**

- Minor Structural calculations
- Recommendations
- Work packaging
- Quantity tracking

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**RIO TINTO - PWCS PROJECT 3D (BECHTEL)**

*(Newcastle, New South Wales)*

*August 06 to January 07*

**Title: Civil Field Engineer**

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### **Some Key Tasks of the Role Include**

- Quantity tracking through QURR's
- Resolution of construction issues back through engineering via RFI's, FCN's, DCN's and FCR's
- Night shift supervisor
- Works supervisor
- Implementation of work packages
- Concrete pre and post pours inspections
- Cranage lift plans.

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### **RIO TINTO - PWCS PROJECT 3D (BECHTEL)**

*(Newcastle, New South Wales)*

*February 06 to August 06*

**Title: Structural Engineer**

- Detailed material take off's for Project 3D's definitive estimate
- Construction Cost Estimates and Work Packaging.

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### **DARACON ENGINEERING**

*(Newcastle, New South Wales)*

*December 05 to February 06*

**Title: Undergraduate Civil Engineer - Temporary Role**

- Responsible for tracking as-built drawings for work in progress on sub divisions
- Assisted in the preparation of tender documents for RTA contracts.

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### **DOYLE'S BULK HAULAGE**

*(Guyra, New South Wales)*

*1999 to 2005*

**Title: Business Owner**

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### **TULSA LOGISTICS**

*(Brisbane, Queensland)*

*2001 to 2002*

**Title: Operations Manager**

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## REFEREES

Available on request