

**STABLE**  
ENGINEERING SERVICES



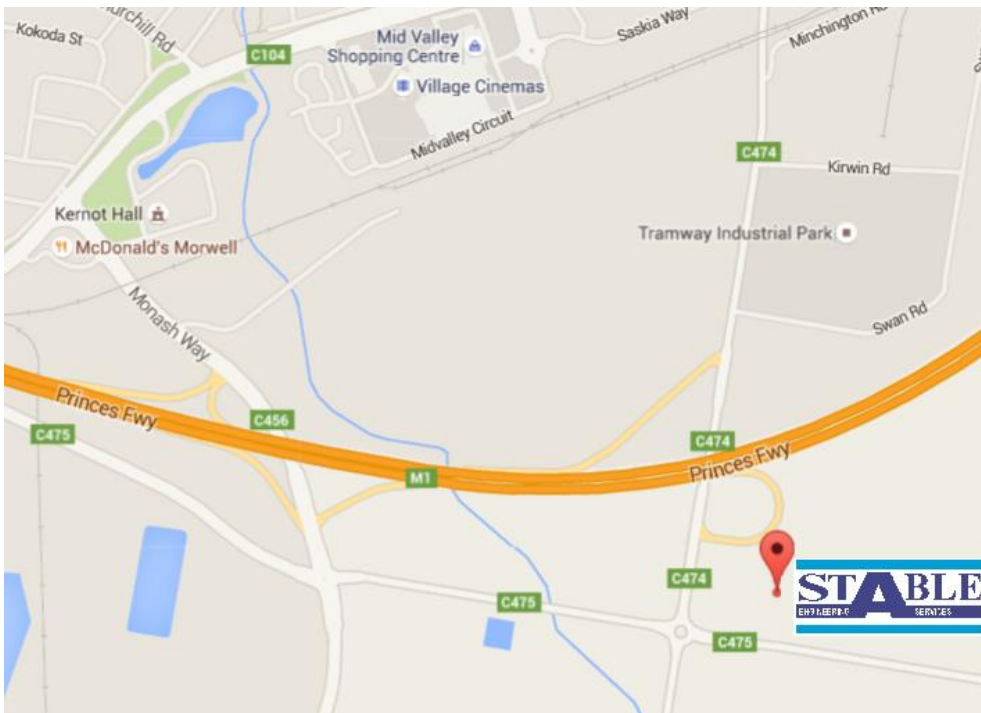
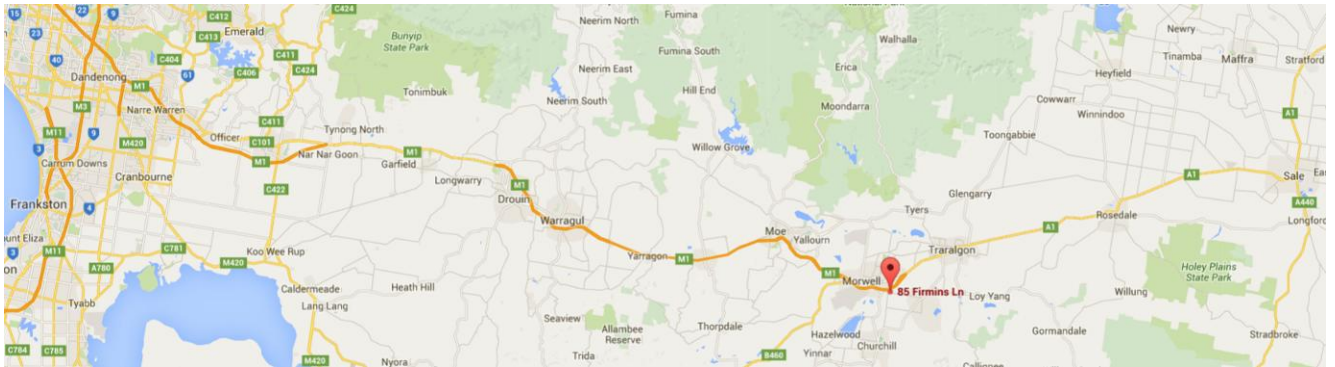
2021

## COMPANY PROFILE



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## Stable Engineering Services

Company Name: Stable Australia Pty Ltd

Trading Name: Stable Engineering Services

A.B.N: 98 006 667 358

Street Address: Lot 1, Firmins Lane, Morwell 3840

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Contact: John Buhagiar - Director

Certifications: Quality assured to ISO 9001 by SAI Global Reg No. QEC 21610

Services Provided: Maintenance and fabrication of pressure parts and structural steel  
 Mechanical fabrication and assembly  
 Maintenance of mechanical plant  
 Rotating equipment mechanical repairs & rebuilds  
 Labour hire for any site works  
 Project scheduling and measurement  
 Structural design and computations  
 CAD drafting  
 Hire of general plant and equipment  
 Transportation of components to & from worksites as well as general pick up & delivery.  
 Painting and Blasting Services  
 Main Workshop 2,100m<sup>2</sup> - 1x10t & 2x20t gantry cranes - 11m hook height  
 Lean-to (attached to main workshop) 1,000m<sup>2</sup>, with 5t gantry crane  
 Paint Shed 1,200 m<sup>2</sup>, with 16t gantry crane  
 Industrial land on over-dimensional route – 3.2ha (8 acres) hard stand, 4.8ha (12 acres) of storage area.



## History

Stable Australia Pty Ltd, trading as Stable Engineering Services, had its origin in the skill and forethought of Mr John Buhagiar who commenced work as Stable Construction Pty Ltd in 1980, on the S.E.C.V. Loy Yang Power Station Project, as a sub-contractor to EPT (Aust) Pty Ltd.

Steady growth occurred with concentration on general engineering, fabrication and installation of structural and metal items with work being obtained through other associated contracts such as ICAL.

In 1987, to meet the needs of the growing business and to allow for a more efficient operation, Stable Construction Pty Ltd established new premises on the corner of Firmins Lane and Tramway Road, Morwell, on thirty acres of industrial land, and at the same time, changed its trading name to Stable Engineering Services.

An intensive capital works program resulted in the upgrade of premises and, with the purchase of heavy equipment and machinery, the type and range of product and services altered substantially. However, the continual presence and updating of control procedures ensures that the high standard set by John Buhagiar in 1980 are still being exceeded today.

## Mission Statement

Our mission is to remain a leader in the engineering field, specializing in structural steel fabrication and erection, mechanical fabrication and assembly and mechanical maintenance by providing cost effective solutions to all client requirements.

## Vision

The Company which;  
LEADS in the Provision of Mechanical Engineering Services  
PROVIDES a "Total Engineering Solution" incorporating Design, Manufacture and Maintenance  
PROTECTS and promotes the interests of all stakeholders.

## Quality Policy

Stable Engineering Services is committed to implementing the quality principals and procedures outlined in our documented quality management system that is structured on the requirements of AS ISO 9001.

This commitment is based upon our ability to understand the needs and expectations of our customers, our motivation to improve the processes capable of meeting those needs and expectations, and our creativity in capturing our superior level of service to meet the future needs and expectations of all our stakeholders.

The quality objectives are derived from the Business Plan communicated via Stable Engineering Services Quality Management System, which is available to all employees.

John Buhagiar

Managing Director

## **Occupational Health and Safety Policy Statement**

Stable Engineering Services recognises it's legal and moral obligation to provide a safe and healthy workplace to its employees and the community and is committed to implementing and maintaining high levels of occupational health and safety practices.

### **Employer's health and safety obligations**

It is the responsibility of management to:

- Maintain a safe working environment for all employees under the OH&S Act 2004.
- Inform, train and supervise employees to ensure that they can work safely and without health risks.
- Facilitate the appointment of OH&S representatives - management representatives nominated by management, employee representatives by co-workers.
- Consult with employees on matters that may directly affect their health, safety or welfare. Where the employees are represented by a health and safety representative (HSR), the HSR must also be involved in the consultation
- Give OH&S representatives paid time off work to perform their duties and to attend OH&S training approved or run by Workcover.
- Notify Workcover immediately of any workplace death or serious injury, or any incident that could have caused death or serious injury.
- Not interfere with the scene of a workplace death (except to help an injured person, to protect someone whose health and safety is at risk, or to prevent further injury).

### **Employee's health and safety obligations**

It is the responsibility of employees to:

- Comply with health and safety policy and procedures under the OH&S Act 2004;
- Follow reasonable instructions that management gives on health and safety;
- Use equipment provided to protect health and safety;
- Ensure that you are not affected by alcohol or another drug that may endanger yourself and others.
- Report potential or actual hazards, accidents, injuries or incidents



## **Environmental Policy**

### **General**

The policy of Stable Australia Pty Ltd is that appropriate environmental safeguards are to be observed at all times with respect to discharges to the workplace and the external environment.

### **Discharges**

Environmental Protection Agency (EPA) discharge licence conditions are to be adhered to, and wherever economically possible, improved upon.

### **Recycling**

Wherever possible materials will be recycled and profitably disposed of in accordance with regulations and good practice.

### **Pollutant Types and Sources**

Personnel are to be made aware of main pollutants and are to take measures to control

- Process vapours - welding fume, cleaning fluids, process liquids
- Solid waste - used flux, packaging (Note: wherever possible drums should be returned to the supplier and any financial deposit credited)
- Metal scrap - machining swarf and off-cuts, electrode stubs
- Liquid waste - basic treatment, waste removal (Note: EPA and Water Board legal restrictions)
- Noise & vibration - due to hammering, arc-gouging, grinding, etc.
- Gas emissions - preheat and heat treatments
- Hazardous areas - restricted access (Note: consider technically acceptable alternative process)

### **Energy Conservation**

Personnel are to conserve energy and gas usage as far as practical to reduce greenhouse gas emissions.

### **Undertaking**

Further to the above policy Stable Australia Pty Ltd will undertake to comply with each individual site's policy with regard to the environment and specific job requirements prior to commencement of a job.

## Key Personnel

Stable Engineering Services, with its diverse and experienced team of administrative and technical staff, working along-side the skilled workshop and on-site tradesmen, equates to an engineering solution for all associated works.

### **STEVEN BUHAGIAR – GENERAL MANAGER**

Steven is the driving force of the organisation, taking great pride in its achievements and the team who work hard for the company's success. He is a qualified mechanical fitter who has learnt the business from the ground up, under the guidance of his father and business founder, John. Steven oversees and works wherever his efforts are required in all facets of the enterprise, leading by example in operations, staff management, quality assurance and OH&S.

### **ENZO PISTRIN – WORKSHOP MANAGER**

Enzo is the power plant of the Stable Engineering workshops with a reputation for reliable delivery of quality products. He has extensive experience in steel fabrication, having worked in power, construction and maintenance industries throughout Australia. Enzo's qualifications include boilermaking, with over 30 years of experience, International Welding Specialist, incorporating AS1796 – 2001 Certificate 10 and Welding Supervisor to AS 2214 – 2004. He has specific knowledge of fabrication, construction refurbishment and maintenance in mechanical applications and has been directly involved in major outages and general maintenance in Latrobe Valley power stations. Enzo is a skilled workforce coordinator, quality control manager and administrator.

### **CASSIE SPAGNOLO – OFFICE MANAGER**

Stable Australia's Finance & Administration Manager and Quality Assurance administrator, Cassie's role also incorporates responsibility for the co-ordination of client requirements for site personnel and equipment. Cassie is a competent Internal Auditor having successfully completed units BSBAUD402B "Participate in a Quality Audit" and BSBAUD504B "Report on a Quality Audit" for the nationally recognised course *Management Systems Auditing*.

### **AANANDA PRAKASH PAUDEL – MECHANICAL MANUFACTURING ENGINEER**

Aananda Prakash is a solution focused manufacturing Engineer offering years' experience in production system control, manufacturing operation, project planning, project control, Project Management, repair, design, draft, and maintenance of different types of machines and systems. Successfully executed projects with the ability to liaise with and unify cross functional teams, gain alignment with all levels of staff and recognized for implementing process improvements, introducing repair solutions and training operating groups effectively. Aananda's qualification include Bachelor of engineering technologist, year 12 science with maths major.



## Plant and Facilities

Listed below are a few examples of the company's Plant & Equipment

50-tonne all-terrain crane, 20-tonne articulated *Franna* crane, 8-tonne non-slewing mobile crane, prime movers, field vehicles, 9-tonne tray truck, 900cfm compressor, 300cfm compressor, knuckle boom lift 45ft, PK700DMS bandsaw, 700mm x 400mm capacity, 100-tonne cropping machine, 4m x 6mm guillotine, 155-tonne press, roll-groove machine, sub-arc welder, various welders, rigging equipment, plasma cutter.

### Shop Description

- Main Workshop 2,100m<sup>2</sup>, with 1 x 10t and 2 x 20t gantry cranes - 11m hook height
- Lean-to (attached to main workshop) 1,000m<sup>2</sup>, with 5t gantry crane
- Paint Shed 1,200 m<sup>2</sup>, with 16t gantry crane
- Centrally located near Latrobe Valley based Power Stations and Industrial Sites and located on an over-dimensional route
- 8ha (20 acres) of Industrial land – 2.5ha (6 acres) hard stand, 5.2ha (13 acres) of storage area.
- Secure store 170 m<sup>2</sup>, including heated welding consumables cabinet and oven.

### Personnel

Stable Engineering Services' comprehensive skilled work force has the ability to succeed in all activities associated with structural and mechanical fabrication, installation work and pressure parts. And now demonstrates the ability to perform work on rotating equipment with mechanical repairs & rebuilds to pumps, gearboxes, valves, electric motors etc. The management team has the depth of technical and design knowledge vital to the successful completion of all projects undertaken regardless of size or specialization.

### Specialty Skills

- High Pressure Parts Work
- Large involvement in Turbine Overhauls
- Process Plant Installation and Commissioning
- Pipe Spooling
- Tank fabrication
- Rotating Equipment

### Availability

- 24-Hour Facilities
- Hire of General Plant and Equipment
- Labour Hire
- Storage Facility
- Transportation

## Completed and Continuing Projects

### Cross Yarra Partnership

Numerous Projects completed and ongoing for Metro Tunnel Project

### AGL Loy Yang Power

TS4 Internal Transfer L702/L705 Switchroom – Fabrication and Supply

### CPB Contractors & Lend Lease Engineering JV

Victorian Crossing Removal Project

### CPB Contractors & John Holland JV

Metro Tunnel Project – Design, supply & commissioning of Lifting Beams and other various works.

### Thiess Pty Ltd

Warragual Railway Station Upgrade

### CB&I

Longford Gas Conditioning Plant – Offsite Module Fabrication & Underground Piping

- Fabricate and deliver underground piping, approximately 10,000 dia-inch
- Fabricate and assemble 42-off pressure piping and process modules for transport and delivery to site.
- Completion and supply of comprehensive Fabrication Records Books.
- Peak workforce of 142, 2 shifts x 6 days per week.
- Multi-disciplinary workforce – Fitting, welding, rigging, electrical.

### SP Ausnet

- Shop detail, supply, fabricate, trial assemble, galvanise and deliver electrical transmission towers and structures.

### Hazelwood Power Corporation Ltd. (now International Power)

- Overhaul of Main Mill, FD Fan and ID Fan Motor Coolers.
- Overhaul of Rotary Air Heater Heat Exchangers.
- No: 5 Boiler - Re-welding of Drum Downcomer and Economiser nozzles. Machining and Overhaul of Drum and Boiler safety valves.
- Fabrication of Precipitator Ash Hoppers for units 8.
- No.1 Boiler Superheater Inlet Header.
- Manufacture of Unit 1 Condensate and Cooling Water lines.
- Supply of 1800m 750NB Open cut Ring main Pipeline.
- Supply of Gas Ducts stainless steel expansion joints.
- Redesign and supply of Slide Gate Valve for ash discharge.
- Slot Bunker Upgrade – Replacement of chutes & trouser legs on conveyors 191, 192, 193, 194, 195 and 196
- Installation of positive drive system on travelling conveyors at Hazelwood Raw Coal Bunker.
- Fabrication and installation of Sensor Platforms at coal bunker
- Fabrication Travelling Tripper for TS2 Stacker

### Murray Goulbourn Milk Factory

- Maffra - New Boiler installation, steam condensate and gas pipe installations.

#### David Brown Pty Ltd

- Pt. Kembla Steel Processing Plant - Structural steel cones and supports structure.

#### H.R.L. Technology Pty Ltd

- Installation of Briquette Chip Blower Plant.
- Fire Service Pipeline Installation.

#### Transfield Fabrication

- Energy Brix Australia - Fabrication of Mill Ducts.

#### Energy Brix Australia Corporation Pty Ltd

- Briquette Receivable System (Pneumatic) - Manufacture, Installation and Commissioning - Colac.
- Fabrication of Mill Duct and Mill Casing.
- No. 4 Turbine - (4) four yearly overhaul.
- B251 Conveyor Expansion Roller replacement.
- 'B' Factory Press Cooling Water Line replacement.
- Bunker beam replacement all eight Boilers

#### W.M.C.

- Collar Hoppers for O.E.P. (Fabrication & Welding of 25, 32 & 50mm Plate)

#### E.P.T. Limited

- Fabrication and Mechanical Assembly, Delivery, Installation of Conveyor Intermediate Units and Components.

#### Supaflo Technologies Pty Ltd

- Installation of Energy Brix Australia Sludge Thickener Plant pipe work, Pumps and all Valving.

#### Thiess Contractors Pty Ltd

- Fulham Correctional Centre, Sale - Supply and Fabricate Structural Steel.

#### ICI Chorine & Derivatives

- Manufacture of H.P.C Carbonation Plant Structural Steel.

#### AGL Loy Yang Power

- Sub-Contractor to Alstom for Unit 1 Generator Overhaul
- Fabrication major items used to aid the rebuilding of Generator at Loy Yang B
- Deluge Valve relocation Units 2 & 4 – bunkers & precipitators
- Fabrication PF Burner ducts
- Final assembly, machining, painting & delivery Dredger 16 Bucket Wheel.

#### Yallourn Energy

- Sub-Contractor to G.E.C. Alstom on all Major outages for Unit 1,2,3 & 4
- Replacement of Pressure Steam valves and all pressure welding requirements
- Supply, fabrication, galvanising, assembly and delivery of total of 655 conveyor units between 2005 and 2008.

#### Australian Paper

- Annual Overhaul of the Pine Kraft Processing Plant.
- Chemical preparation area pipe bridges 3 & 4

#### ABB Power Generation

- Fabrication of Unit 7 Precipitator Ash Hoppers for Hazelwood Power
- Fabrication of Unit 3 Eaves and Walls

#### Mitsui Babcock

- Fabrication of Unit 7 Boiler casing panels for Hazelwood Power.

#### Siemens Limited

- Replacement of Turbine Bellows at Loy Yang 'A' 4 x 500 megawatt Power station – Unit 4
- Replacement of LP 1 & 2 Turbine Inlet & Outlet Steam Bellows at Loy Yang "A" - Unit 3
- Removal & Re-installation of Cooling Tower Splash Pack at Loy Yang "A" Unit 3
- Overhaul Circulating Water System components at Loy Yang "A" Unit 1
- Fabrication of major items (150 tonne) used to aid in the rebuilding of generator at Loy Yang B. Job was started within 24 hours of call and finished within 3 weeks.

#### Silcar Ltd

- Overhaul Circulating Water System components at Loy Yang "A" Unit 3

#### The Reinforced Earth Company

- Morwell River Diversion Conveyor Tunnel Arch Sections- Supply, manufacture and deliver 1,118 precast concrete arch segments (8,500 tonne) to Yallourn Mine.

#### Clough Engineering Limited – Bassgas Project, Lang Lang.

- Fabrication, assembly & processing of pipe rack skids for Packages 1, 4, 5 & 6 & Fire Service. This from a total of 8 packages.

#### Shedden Udhe – Mobil Altona Clean Fuels Venture

- Piperack Pre-assembled Units 3405 & 3406
- BRU Structure Pre-assembled Units 3401, 3402, 3403, 9101 & 3701

#### Downer Power Transmission Pty Ltd – Iluka Resources Ltd

##### Murray Basin Douglas project

- Fabrication & assembly of Spiral Concentrators M1 – M10

#### Powercor Australia Ltd- Basslink Project

- Supply, fabrication and surface treatment of steelworks for LYPS 500kV Terminal Station.
- Supply, fabricate and deliver Platforms, CVT supports, Transformer bases and associated items – Brunswick Terminal Station
- Supply and fabrication MLD Tower steel – Moorabool Terminal

#### Outokumpu Technologies Pty Ltd

- Supply, fabrication and delivery 1 x 22m Ash Thickener Tank and all components for Hazelwood Mine.
- Fabrication of 8m & 14m tanks for Avebury Nickel Project Zeehan Tasmania
- Supply, fabrication, stress relieve and deliver 2 off rake drive units Avebury & Bolga.

#### Thiess John Holland – Eastlink Project

- Supply, Design/Drafting & fabrication of Pre- Cast Concrete Panel Moulds, Transport Frames & miscellaneous steel fabrications

#### Port of Melbourne – Channel Widening Project

- Supply and fabricate HBMS Steel plates.
- Modification to Ripper Dragheads.
- Modification of Sweeper Bar

Loy Yang Power – D16 Bucket Wheel Boom Forechute

- Supply, fabricate and paint.
- Supply and fit out HMWPE wear plates.

International Power Hazelwood – Main Mill Classifiers

- Supply, fabricate and paint SS Classifiers

Australian Paper Maryvale – M5 Steam Pipe Upgrade

- Supply, fabricate and install pipe spooling.

Thiess Degremont

- RO Pipe Rack Modules 7, 8, 10 & 11 Victorian Desalination Plant

International Power Loy Yang B

- Unit 2 SSCC Hopper Repair Contract P1260

Loy Yang Power

- Feedpump Crane 1, 2, 3 & 4 Static Line Installation



## Photo Gallery



Longford Gas Conditioning Plant, spooling



Longford Gas Conditioning Plant, traffic mgt.



Longford Gas Conditioning Plant, module assembly and fit-out in progress





Port of Melbourne Steel slabs



Port of Melbourne Sewer Plate



Bass Gas Pipe rack / Header assembly



PF Duct and Structural Steel



Sub arc welding POM plate



Side view of sub arc welding





Ring Main Water Pipes, Bass Gas Project



Bass Gas Pipe rack assembly



Bass Gas Pipe rack insulation



PAU Pipe rack, Bass Gas Project



Feeder conveyor / Western Australia



Feeder Conveyor / Western Australia





Loy Yang CW System overhaul



Mine conveyor idler frames



Loy Yang Condenser valve



Safe removal of Condenser conduits



Condenser valve replacement







1st half 22m tank



22m tank being transported to site



Transportation to Site



Successful completion of 22m tank



D16 Bucket Wheel Boom Fore-chute





D16 Bucket Wheel Boom Fore-chute



Main Mill Classifiers





SBL Tank Top Strake Replacement



SBL Tank Strake Fabrication



TS2 Stacker in service



Replacement Non-return Valve



Site assembly of TS2 Stacker



Overview of TS2 Stacker





Mobil Clean fuels pipe rack



Mobil Pipe rack header section



Loy Yang Unit 3 Major Outage, CW System



Warragul Railway Station Upgrade – Pedestrian Bridge