

# CAMCO ENGINEERING

## CAPABILITY STATEMENT



## INTRODUCING CAMCO ENGINEERING

Founded and based in Western Australia, Camco Engineering through customer commitment and continuous improvement has established a name for quality and productivity in projects and jobbing works. The Camco business model is based on a number of core engineering activities.

### CORE BUSINESS

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- Machining
- Fixed plant overhaul
- Specialised gearbox repair and manufacture
- Mechanical fabrication
- Crusher component repair
- Welding
- Gear cutting and design

Industries that make up the Camco client base are the Engineering, mining, processing and power generation industries. Services are supported through clean, modern well equipped workshops that maintain a base load permanent workforce in excess of 100 personnel.

Camco is positioned to undertake significant works packages for major projects in first and second tier supply roles. Camco maintenance support also includes site personnel to remove and install equipment serviced or manufactured by Camco Engineering.

Camco occupational health and safety policy, and quality assurance controls have been integrated as a component of all works undertaken by the company. Camco aims to ensure safety and quality control is central to company activities.

### QUALITY ASSURANCE

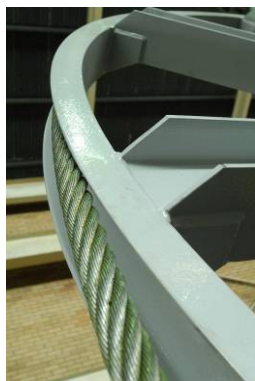
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Camco operates under strict guidelines in accordance with AS/NZS ISO 9001:2000. A copy of our QA certificate is attached.

### OCCUPATIONAL HEALTH & SAFETY

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Camco operates a comprehensive Occupational Health and Safety system, compliant to AS 4801. A copy of our OH&S policy is attached.



## LOCATION & PREMISES

Camco Engineering operates from modern high quality industrial properties in the industrial hubs of Canning Vale and Belmont; both workshops are conveniently located offering easy access to road, rail and sea transport.

### PREMISES

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Camco's premises are comprised of approximately 9,000 square metres of covered workshop space with overhead travelling gantry cranes providing a maximum tandem lift capacity of 80 tonnes. Camco gearbox and equipment assembly is undertaken in a dedicated 500 m<sup>2</sup> clean room at the Canning Vale facility providing added protection against particle contamination during assembly.

Workshops are extensively equipped with precision machines and specialised welding equipment. Machining of large components is catered for, with some of Western Australia's largest CNC machines. A full list of machining equipment is located on the following page.

Camco's well presented and highly functional administration facilities have ample provision for temporary client office space if required. Both properties are fully developed with bitumen and gravel hardstand allowing for safe and easy large vehicle access.



## CAMCO PRIMARY SERVICES

### **MACHINING:**

- Small - very large machining
- CNC machining
- On-site machining
- Exotic and complex metal machining

### **FIXED PLANT REPAIR AND OVERHAUL:**

- Specialised gearbox overhaul
- Fixed plant equipment repairs
- Component advice
- Assessment reporting

### **MECHANICAL FITTING:**

- Complex mechanical assembly
- General fitting (workshop and site)

### **MECHANICAL FABRICATION:**

- Mechanical fabrication
- Component fabrication
- Pressure vessel fabrication

### **CRUSHER COMPONENT REPAIR**

- Weld reclamation
- Component machining
- General fitting
- Materials review and advice

### **WELDING:**

- Specialised welding (coded)
- Welding to all standards, including, AWS-D1, AS 1554, ASME IX, AS 1210
- Exotic materials; High chrome, nickel alloys, super duplex, inconel, titanium, etc

### **GEAR CUTTING:**

Gear types include:

- Straight cut
- Helical
- Internal and external planetary
- Crown wheel and pinion
- Spiral bevel
- Spline shafts and hubs
- Hardened and ground

Gear cutting services include:

- Design
- Drafting
- Calculations
- Re- engineering
- Precision machining
- Grinding

### **TESTING**

- Hydrostatic and pneumatic pressure testing (NATA accredited)

## CAMCO WORKSHOP EQUIPMENT

The well equipped workshop facilities feature the following plant and machine tools:

- ✓ Centre Lathes: 12 machines with turning capacity up to 2.1 metres diameter and 8.0 metres between centres.
- ✓ Break Bed Mill Lathe: 1 machine with turning capacity of 6.0 metres diameter and 10.0 metres between centres.
- ✓ CNC Hollow Spindle (380 dia) Lathe: 1 machine with turning capacity of 1.1 metres diameter and 8.0 metres between centres.
- ✓ CNC (Medium) Vertical Borers: 4 machines with turning capacity up to 4.0 metres diameter with screwcutting, taper turning and copy capabilities.
- ✓ CNC (Large) Vertical Borer: 1 machine with turning capacity up to 8.3 metres diameter by 3.1 metre height under the ram and maximum table load of 100 tonnes.
- ✓ CNC Lathes: 4 machines with turning capacity up to 0.8 metres diameter and 2.2 metres between centres.
- ✓ Milling Machines: 4 turret type milling machines, 4 universal type milling machines, 1 planomill with 3.0 x 1.0 metre table and 3.6 metre table travel.
- ✓ Floor Borer: 1 machine with digital co-ordinate positioning, 8 metres longitudinal traverse, 3.4 metres vertical traverse and 2.4 metre spindle travel.
- ✓ Horizontal Borers: 4 machines, digital co-ordinate positioning and CNC, with up to 3 metres table cross traverse and the capability for machining very large components and fabricated items.
- ✓ Machining Centres 3 Horizontal Spindle – CNC control 8.0 x 2.7 x 1.0 metres movement, 1 Vertical Spindle – CNC Control 1.1 x 0.7 x 0.5 metre movement.
- ✓ Radial Drills: 3 machines with capacity for drilling up to 75 mm diameter.
- ✓ Miscellaneous: A range of miscellaneous equipment including slotters, hydraulic presses, universal grinder, tool & cutter grinder and bandsaw.
- ✓ Welding Equipment: A comprehensive range of equipment up to 1000 Amp covering Sub Arc, MIG, TIG and other processes. Position welding rotators and manipulations up to 40 tonne capacity.
- ✓ Gear Cutting and Grinding: Cutting and grinding up to 30 module, 1700 mm diameter and 450 mm face width. Spiral bevel up to 460 mm diameter.



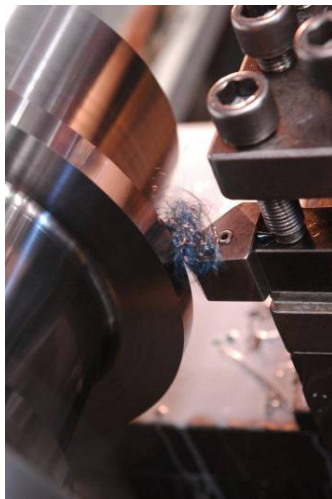
## CLIENT EXPERIENCE

### SITE WORK EXPERIENCE

Camco has an extensive history of performing on-site work especially in critical production areas. Work has always been carried out on time and on budget. With the Perth based engineering and manufacturing support, Camco Engineering is well placed to take on even the most demanding of site work.

Camco's client list is substantial and therefore only a partial client list is attached.

- Verve Energy
- United Group Resources
- Infigen Limited
- Siemens



ACCREDITATION  
AND  
CERTIFICATION

# NATA Accredited Laboratory

National Association of Testing Authorities, Australia  
(ABN 59 004 379 748)

has accredited

**Camco Engineering Pty Ltd**

**Camco Dreico Industrial Services Pty Ltd**

following demonstration of its technical competence  
to operate in accordance with

**ISO/IEC 17025**

This facility is accredited in the field of

**Mechanical Testing**

for the tests shown on the *Scope of Accreditation* issued by NATA



A J Russell  
Chief Executive

Date of accreditation: 16 January 2004  
Accreditation number: 15079



NATA is Australia's government-endorsed laboratory accreditor, and a leader in accreditation internationally. NATA is a signatory to the international mutual recognition arrangements of the International Laboratory Accreditation Cooperation (ILAC) and the Asia Pacific Laboratory Accreditation Cooperation (APLAC).

L11.7.2/Issue 1/March 2005

BUREAU VERITAS  
Certification



Certification

Awarded to

**CAMCO ENGINEERING PTY LTD**  
**CAMCO DREICO INDUSTRIAL SERVICES PTY LTD**  
18 - 20 VULCAN ROAD, CANNINGVALE  
85 ROBINSON AVENUE, BELMONT  
WESTERN AUSTRALIA, AUSTRALIA

Bureau Veritas certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

STANDARD

**AS/NZS ISO 9001:2008**

SCOPE OF SUPPLY

**MACHINING, FITTING, REFURBISHMENT, ASSEMBLY, SPECIALISED FABRICATION, DESIGN AND PRESSURE TESTING OF COMPONENTS AND EQUIPMENT FOR THE OIL & GAS, MINING AND ENERGY PRODUCTION INDUSTRIES**

Original Approval Date: **18 AUGUST 2000**

Subject to the continued satisfactory operation of the organisation's Management System, this certificate is valid until: **17 AUGUST 2012**

To check the validity of this certificate please call: **Bureau Veritas Australia Pty Ltd**  
Further clarification regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation

Certificate Number: **9000190** Date: **07 OCTOBER 2009**



Managing office: Bureau Veritas Pty Ltd, 26 Colton Street,  
West Perth, Western Australia, Australia, 6005

Issuing office: Bureau Veritas Pty Ltd, 26 Colton Street,  
West Perth, Western Australia, Australia, 6005



## QUALITY POLICY

**CAMCO ENGINEERING**

18-20 Vulcan Road  
Canning Vale WA 6155  
PO Box 1447  
Canning Vale WA 6970  
Phone: 08 9455 2200  
Fax: 08 9455 2118  
Web: camcoeng.com.au  
ABN: 39 530 546 576

It is the policy of the directors and management of Camco Engineering to be a leading provider in Western Australia of workshop based engineering maintenance and manufacturing services.

Our success will be measured by meeting and exceeding our customers' expectations in terms of quality, on-time delivery and competitiveness.

The needs and satisfaction of our customers are considered critical success factors for the company and are continually monitored and assessed.

We will continue to develop large capacity, specialised manufacturing capabilities relevant to the needs of the markets we are servicing.

To maintain these objectives requires continuous improvement in the functions carried out within the company, and a sustained commitment by all personnel, together with the development of strong supplier and contractor relationships to ensure that external support functions contribute to our objective.

Quality Assurance is fundamental to all work undertaken by the company and is practised by all personnel as part of their daily activities. Quality is enhanced by working in systematic manner, in accordance with formalised procedures and work instructions.

The Quality Management System is based on the requirements of AS/NZS ISO 9001:2000 and for Mechanical Testing, to NATA Requirements and AS ISO/IEC 17025:1999. Adherence to the system is required of all company personnel. The System, and this Policy, are subject to regular review.

This policy is prompted and displayed in our workplaces. New employees are inducted in quality awareness and the company quality policy.

  
Bruce Cameron  
Director

  
Frank Fusco  
Director

  
Vic Fusco  
Director

  
Alan Leese  
Director

  
Greg Wilson  
Director

9<sup>th</sup> September 2008

Outstanding Customer Service



## Occupational Health and Safety Policy

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Camco Engineering is aware of its responsibility to its workforce, its subcontractors and its clients and suppliers, to provide a safe and healthy work environment in accordance with the duty of care provisions outlined in the Occupational Safety and Health Act (1984) and Occupational Safety and Health Regulations (1996).

Camco believes its workforce is its most valuable asset and is committed to achieving high standards of safety and health in the workplace by:

- Ensuring all personnel have a clear understanding of their responsibilities in respect to the provision and maintenance of a safe working environment.
- Ensuring safe systems of work are developed, documented and communicated to its workforce.
- Ensuring hazards are identified, assessed and controlled.
- Ensuring clear lines of communication and consultation between management and the workforce are maintained.
- Providing workplace induction and ongoing occupational safety and health training as required.

The management of Camco Engineering demonstrate their commitment to the development of a safe and healthy workplace environment by:

- Maintaining an Occupational Health & Safety Management System addressing the requirements of AS 4801-2000 *Occupational Health & Safety Management Systems*.
- Providing the resources to meet occupational safety and health objectives.
- Consulting and communicating safety and health initiatives and setting measurable objectives and targets to ensure continual improvement aimed at the elimination of work related injuries and illness.

The company recognises the need for continual improvement to develop a safety culture and will ensure regular review of the safety policy and programme.

This policy is prompted and displayed in our workplaces and is available to interested parties. New employees are inducted in safety awareness and this policy.

Authorised By:

  
Bruce Cameron  
Director

  
Frank Fusco  
Director

  
Vic Fusco  
Director

  
Alan Leese  
Director

  
Greg Wilson  
Director

9<sup>th</sup> September 2008

Outstanding Customer Service





## CAMCO CONTACT DETAIL

### **CAMCO ENGINEERING**

**18-20 VULCAN ROAD, CANNING VALE WA 6155**

**PO BOX 1447 CANNING VALE 6970**

**PHONE 08 9455 2200**

**FAX 08 9455 2118**

### **DIVISION ADDRESSES**

- **MAIN OFFICE: 18-20 VULCAN ROAD, CANNING VALE**
- **MACHINING/FITTING/GEAR CUTTING: 18-20 VULCAN ROAD, CANNING VALE**
- **SPECIALISED FABRICATION: 2 BELL STREET, CANNING VALE**
- **CRUSHER COMPONENT REPAIR: 2 BELL STREET, CANNING VALE**
- **LARGE FABRICATION 85 ROBINSON AVENUE, BELMONT**
- **STORES FACILITY: 2 BELL STREET, CANNING VALE**

**WEB ADDRESS: [WWW.CAMCOENG.COM.AU](http://WWW.CAMCOENG.COM.AU)**

***CAMCO ENGINEERING IS THE OEM AUTHERISED SERVICE PARTNER FOR HANSEN TRANSMISSIONS***

[www.hansentransmissions.com](http://www.hansentransmissions.com)