



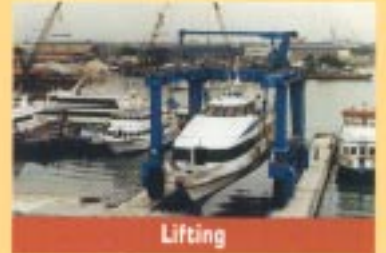
ACN 004 758 809

CRIB POINT ENGINEERING LTD

*Engineering Excellence*



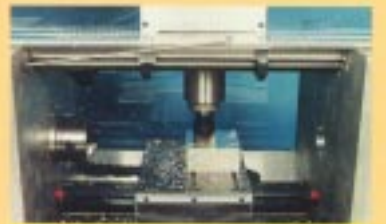
Automation



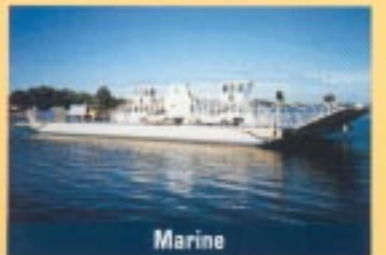
Lifting



Services



Technologies



Marine

## INTRODUCTION

*As Directors and Principals of CRIB POINT ENGINEERING we welcome this opportunity to provide an insight into the business philosophy, historical project and contract achievements and the diverse range of services provided by our company.*

*The contents of this company profile set out our corporate vision and mission statements, a brief history of the company and our quality philosophy, and a summary of the divisional activities and services under which the company is structured.*

*We believe that the skills base, experience and performance incorporated within our team of people is second to none in the sectors of industry we service.*

*In reading this company profile, we jointly trust that our capabilities are well demonstrated to you.*

*Your enquiry or request for further information will be welcome.*



L.W. "Bill" Banks  
Managing Director



E.C. "Ted" Banks  
Engineering Director



Bill (left) and  
Ted Banks

## VISION STATEMENT

Crib Point Engineering Pty. Ltd. operating as a successfully functioning entity able to provide continually improving services to our customers in a profitable manner where all members of the organisation find job satisfaction in a safe working environment.

## MISSION STATEMENT

To deliver quality goods and services, on time, within budget.

## SUSTAINABLE COMPETITIVE ADVANTAGE

The members of the Crib Point Engineering Pty. Ltd. organisation working as a competent team of people.

## HISTORY

**C**RIB POINT ENGINEERING commenced business in 1964 as a jobbing shop, servicing the oil and steel industry. The company's base at Hastings immediately adjoins the Westernport industrial complex which hosts major companies including BHP, ESSO and others.



*Ship to shore gangway.  
Utah Coal 1972 and still going.*

Today the company offers a wide range of engineering services and has a fully equipped machine tool division.

CPE's activities are conducted from our fully equipped engineering and fabrication facility located at Hastings, approximately 65km south east of the City of Melbourne. The facilities include a slipway on Westernport Bay which enables marine vessels up to 400 tonnes to be constructed and launched.

The in-house engineering facilities and project experience enables CPE to provide a complete project service from initial feasibility study through to project development and cost definition, detailed design, manufacturing and final commissioning.

CPE also has significant experience in the ongoing maintenance or modification and upgrading requirements of a diverse range of industrial manufacturing plant and equipment.

The company's engineering resources and project accomplishments are complemented by extensive in-house design skills making use of the latest techniques in CAD, CIM and finite element analysis (FEA) to design and detail the critical and complex structures and plant items.

### DESIGN & DRAWING

The design and drawing office of CPE is strong and effective in the following disciplines - **mechanical, structural, hydraulic, pneumatic, electrical and electronic engineering**. These disciplines are supported by competent drafts-people and project managers. In addition we have the experience to support software writing in all areas of CAD and CAM.

Foremost in our success, is a team of highly qualified and experienced managers and support staff who are accustomed to working in a team environment to ensure on-time and on-budget project delivery and customer satisfaction.

CPE also operates in accord with recognised quality management procedures and systems.



*CPE Technologies Pty. Ltd.  
Adept CNC Mill, Circa 1997*

**The individual aspects of CPE's experience and areas of operation are detailed in the following pages.**



### INDUSTRIES SERVICED

*Automotive  
Marine  
Oil & Gas  
Mining  
Steel &  
Aluminium  
Whitegoods*

### SERVICES

*Design  
Fabrication  
Machining  
Assembly  
Commissioning*



## CPE SERVICES

### ■ ON SITE MACHINING & UPGRADING

For many manufacturing industries there is a continuing need to upgrade or recondition items of plant, which through their sheer bulk and complexity cannot be removed from the site. CPE has developed significant expertise and achievements in on-site milling and machining of large items of mechanical plant. Our largest portable milling machine has an 8 metre wide bridge type gantry which supports a CNC milling machine. This equipment can be mobilised anywhere to perform on site milling of major plant items for upgrading or retro-fitting purposes.

CPE is also fully experienced in meeting significant time deadline or plant shutdown schedules.

In addition to our on-site capability, our Hastings plant has large capacity lathes, vertical boring and milling machines. Our machine shop capacity and overhead crange allows us to undertake machining and similar tasks which exceed the capabilities of most machine shops.

### ■ DESIGN DEVELOPMENT AND DOCUMENTATION

CPE has made a significant investment in state-of-the-art integrated Computed Aided Design and Manufacturing and Finite Element Analysis technology.

This capability plays a key role in our ability to design, modify and simulate complex and critical items of plant and equipment and special application machinery. Our in-house design capability also contributes to on-time and on-cost completion and has extensive back-up from highly qualified and experienced personnel.

### ■ CONTRACT ENGINEERING

CPE'S engineering workshop facilities are employed regularly in the sub-contract fabrication or manufacture, heat treatment, sand blasting and painting of major components for complex projects to meet fast track completion targets or prime contractor overload situations. Our extensive engineering and machine shop capabilities, overhead crange and experienced personnel make a major contribution to this area.

### ■ MACHINE TOOL RECONDITIONING

CPE also undertakes the reconditioning of machine tool equipment to original specifications or upgrading to accommodate the application of state-of-the-art computer numerical controls. For many companies this represents a cost effective way of achieving current industry standards without making a significant new investment in capital equipment.



## CPE MARINE

The company's slipway adjoining the engineering workshops is employed for the fabrication and construction of a diverse range of floating plant including work tenders, car carrying ferries, piling barges, buoy handling barges, winching systems and propulsion units. The slipway enables the construction and launching of vessels up to 400 tonnes displacement.

Our marine facility is arranged for indoor construction in modular form with ample crange in both size and number to allow fast, efficient and economical construction. Design skills from our Lifting Division provides for custom deck machinery of all types.

CPE's experience in hydraulics, electrics, pneumatics and electronics assures our clients of soundly engineered and durable marine equipment capable of providing long and profitable service. Few companies are able to provide the complete range of disciplines for total success in the design and manufacture of floating plant.

**CPE Marine** is accustomed to working with naval architects and designers or can incorporate these specialist services in a complete turnkey package.



On-site Machining & Upgrading



Design Development



Contract Engineering



Machine Tool Reconditioning



Marine



## CPE AUTOMATION PTY. LTD.

ACN 080 270 581

CPE has significant experience in manufacturing one-off industrial process machines and equipment incorporating the latest techniques of materials handling, automation and process control. CPE Automation offers a single source, turnkey responsibility from initial design through to manufacturing and commissioning.

In recent years CPE has updated and reconditioned a diverse range of machine tools and process equipment to incorporate CNC controls, ball lead screws, new lubrication systems, servo drives and similar technology increments.

Special purpose machines are manufactured for the automotive, whitegoods and other industries in Australia and overseas, including washing, leak testing, metal cutting, component assembly equipment and welding assemblies.



## CPE LIFTING

CPE Lifting has extensive experience in the design and manufacture of straddle carriers and similar equipment. This includes the completion and delivery to date of some thirty straddle carriers designed to lift and transfer vessels ranging from small pleasure craft up to commercial ferries.

Currently undergoing manufacture (mid 1997) is a 500 tonne capacity, self propelled, self elevating, marine straddle carrier for a client in Singapore, operator of one of South East Asia's largest passenger and commercial ferry fleets.

CPE has previously supplied the same client with a 250 tonne capacity marine straddle carrier enabling them to undertake fast turnaround removal and servicing of their ferry fleet.

The current 500 tonne capacity model is believed to be the largest unit of its type ever constructed and is valued at approximately \$A3 million in 1997 dollar values.

The carrier is being built in modular form at Hastings and will be shipped to Singapore for on-site assembly and commissioning.

CPE's heavy lifting experience also includes the design and manufacture of a diverse range of special equipment including mobile crushing plant, transport vehicles for the handling and movement of pre-cast concrete sections and handling systems for the placement of recreational turf.



## CPE TECHNOLOGIES PTY. LTD.

ACN 060 021 434

CPE Technologies Pty. Ltd. is a separate, stand alone associate of Crib Point Engineering Pty. Ltd., which is involved in ongoing development of educational and industrial computer controlled products.

CPE has developed and manufactures and markets the ADEPT CIM CENTRE a unique personal computer controlled lathe and three axis mill which utilises Windows operating software and is based on ISO Standard G & M Codes. The ADEPT CIM CENTRE provides a key, practical training aide for TAFE, tertiary and secondary schools to capitalise on the latest techniques of computer numerical control of machines, computer aided design and computer aided manufacturing of metal and other materials.

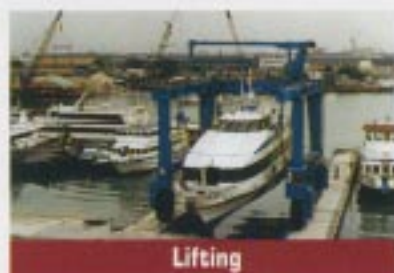
The ADEPT CIM CENTRE is supported by extensive teaching and training aids including manuals and disk information systems with interface to the industry standard design and manufacturing software packages. CAD/CAM tutorials are provided with 2D and 3D toolpath simulation. The TRI CAD software facilitates total product design with an interface to the CAM package for manufacture of complex parts.

The ADEPT CIM CENTRE has been sold extensively to the education and training sector both in Australia and overseas. It has also been employed by a number of companies to undertake product research and development, prototyping and complex machining of small scale metal components.

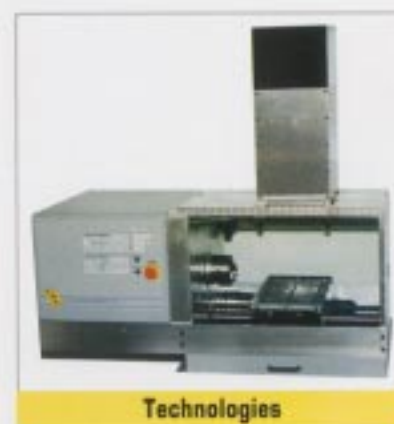
The expertise and skills incorporated within this enterprise provides extensive cross fertilisation and experience to CPE's own day to day operations in advanced manufacturing, machining and fabrication of specialised industrial plant and equipment.



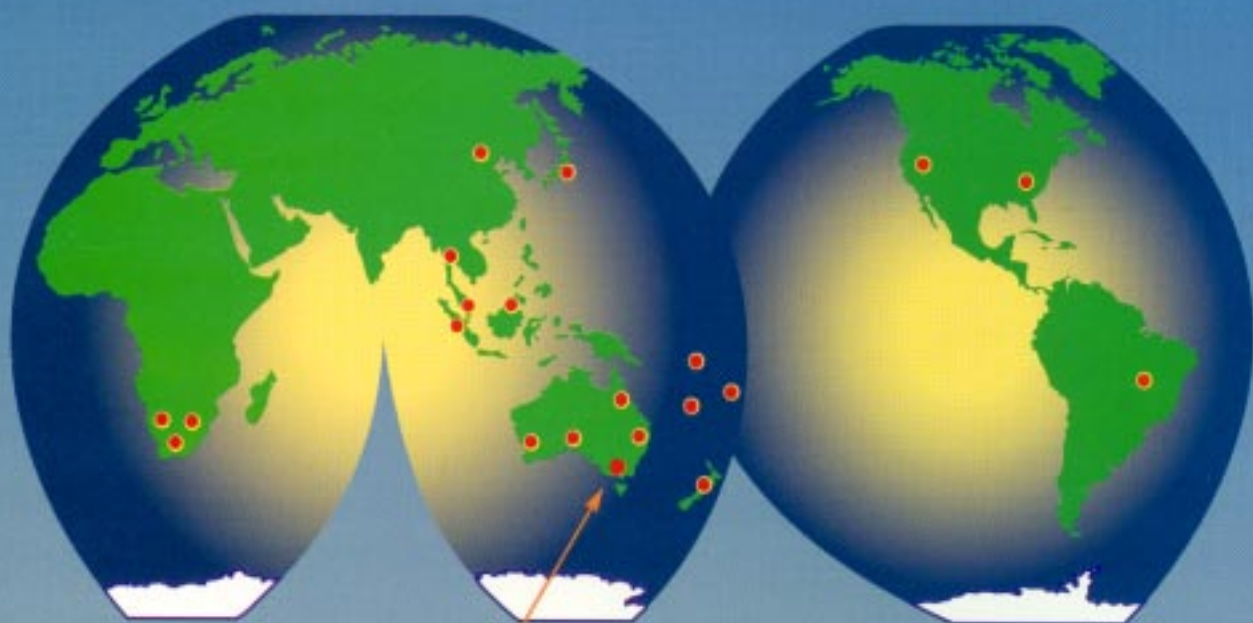
Automation



Lifting



Technologies



**CPE location at Melways Ref: 155 C 10**

*Beach Drive, Hastings, Victoria 3915, Australia*

**E**ACH OF THE DIVISIONS OF CPE have manufactured, delivered, installed and commissioned projects for customers in all parts of Australia and overseas. The latter market sector includes –

**CPE Marine** – Service Patrol Craft for Tonga in the Pacific.

**CPE Heavy Lifting** – has supplied Marine Straddle Carriers from 25 tonne to 500 tonnes capacity to Thailand, Singapore, Indonesia, Japan, New Caledonia and New Zealand.

**CPE Automation** – has designed and manufactured equipment which has been delivered and commissioned in China and Brazil as well as providing numerous special purpose machines for the Australian operations of major international automotive and whitegoods manufacturers.

**CPE Technologies** – has exported software, hardware and machine tools to Africa, N.Z, the USA and Indonesia.

**CPE's Corporate Goal is to deliver quality, innovative high technology products to international markets on a competitive basis.**



**CRIB POINT ENGINEERING** *ESTD*  
*Engineering Excellence*

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