



CORPORATE PROFILE

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ATFT Power Equipment Unit
Trust

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EPE Mission Statement 2015



The mission of Excess Power Equipment (EPE) is to excel in the provision of products and services of an electrical nature for national and international clients.

A quality culture is maintained and our client is the most important person at all times.

EPE was initially established in 1990, is Australian owned with our facilities in Western Australia on 9000 square metres of land consolidated in Maddington.

EPE boast extensive warehouse and office facilities adjacent to major arterial roads, 10 minutes from Perth International and Domestic airports, 20 minutes from Perth city and 30 minutes from Fremantle shipping port.



Partial list of EPE’s Clientele



Bemax Resources
Fortescue Metals Group
BHP Billiton

Contract Power Australia Pty Ltd
Lycopodium Pty Ltd
Resolute Resources
GR Engineering Services
Energy Power Systems
Rio Tinto

First Quantum Minerals (Aust) Pty Ltd



Products Supply list 2015



Transformers – Power & Distribution (Oil filled – New and Refurbished)

- New from 5 KVA to 370 MVA 500 KV
- Refurbished, from stock or acquisition.
- Refurbished, customer owned.

Transformers – Dry Type Resin encapsulated

- New from 5 KVA to 30 MVA all voltages up to 36kV.

Transformers - Potential & Instrument (Resin encapsulated)

- All voltages up to 132kV.
- Current transformers - VT's & CVT's.

Switchgear & Control Gear (Medium & High Voltage)

- New all voltages.
- Refurbished indoor medium voltage control & switchgear.

Mining & Generator Substations (Underground and surface applications)

- Refurbished from stock or acquisition.

Custom Kiosks Systems for surface mines, area sites & similar emplacements

- New or refurbished transformers with HV & LV configurations to customers' requirements.
- Fully bundled & reinforced concrete base.
- Cyclone rated options for both available.



Products Supply list 2015



Transportable Transformer Bunds (Galvanised & Reinforced Concrete)

- Designed to suit EPE New and Refurbished Transformers (Oil filled)
- HV & LV configuration options to suit customers' requirements.

Hire Equipment (Oil Immersed Transformers)

- 5 KVA to 5.4 MVA, 415V to 33,000V with some Switch & control gear.

Power Protection

A complete range of power protection products & services, securing the success of businesses by providing their critical systems with computer grade electricity regardless of the quality of mains power.

- Single phase UPS (300VA-18kVA) Three phase UPS (10 - 750kVA) with Software to suit Connectivity
- Power conditioners.

Cable Haul Hire Equipment

Excess Power Equipment stocks an extensive and ever expanding range of **Cable haul hire equipment**.

This range has been developed over several years of 'hands-on' experience covering all aspects of vertical, horizontal, overhead, in ground and underground equipment for easy high efficiency, cost effective installation.

The range of equipment is from the simple cable rollers through to the cable haul winches and service pit bell houses.

Please see page 11 of this document for a full list of equipment available for hire.

Background



Experience to the mining, power, mobile generating equipment and allied industries. Supplying new and refurbished, tested and warranted power & distribution transformers, mining substations, kiosks, medium and high voltage switchgear.

Whilst maintaining a high stock level in excess of 300 preowned transformers EPE also purchases to customers' requirements from several sources worldwide. Rewinding facilities are available for customising transformers for example:
1000V, 600V & 4160V at 60 Hz.

EPE is unique for the combination of both its high stock levels and self-sufficiency in refurbishing and testing transformers and switchgear. Several clients use EPE's services for the refurbishment of their own transformers and switchgear, with the option to hire stock units during the overhaul period.

High quality mining substations and kiosks are designed and manufactured both to relevant standards and for custom requirements. With compliance to mining regulations a prerequisite. The substantial skids are treated with a high quality surface protection accommodating low profile transformers, primary and secondary switchgear, colour coded according to voltage.

A wide range of high voltage switchgear is refurbished and tested, switching mediums include air, oil and SF6 originating from such manufactures as Reyrolle, GEC, Delle-Alsthom, BBC, ASEA/ ABB/ SACE, Siemens, Merlin-Gerin , Long & Crawford, Yorkshire & HSB, etc.

New Oil Filled Transformers



EPE has forged good working relationships with Thailand and Chinese suppliers of new transformers.

Their products, generally available from 50 KVA 3.3kV up to 370 MVA and 500kV are a high quality product and compliant with IEC76-2/AS60076/2374 standards.

The acceptance of these transformers into Australia has already led to repeat orders for various power projects throughout the country.



EPE has sourced power transformer manufactures from China. These factories offer high quality units to Australian and international standards and have ISO 14001 and ISO 9001 accreditation. The range EPE offers for power transformers is from 11kV to 500kV and 50kVA- 370,000kVA.



New Dry Type Transformers



EPE are suppliers of high quality cast resin transformers from China.

EPE represent some of Asia's and the World's foremost suppliers with a range up to 30,000KVA at 36kV. These low loss transformers are manufactured using materials sourced from the world's best. The cast resin system is by CIBA Geigy.



The low loss, low expansion silicon steel is from Nippon Steel & windings in class F insulation are all copper including L.V. Strip from KM Germany.

ISO 9001 quality accreditation by BSI coupled with short circuit type tests and thermal shock test certification from Kema High Power Laboratory are all testimony of transformer reliability and efficiency in applications for high rise and public access buildings, the oil & gas industry, hotels and underground power.



Bunded Kiosks & Environment



Kiosks

EPE has designed and developed bunded kiosks. Being completely enclosed, any oil spills remain contained within the bunded area preventing oil damage to the surrounding site. No on site foundations are required and EPE offers a flexible design to accommodate client specifications. Recognising the need to construct for cyclone conditions, EPE continued development of our kiosk designs and now produce cyclone rated units to Category D, Terrain 2, 88 meters per second. These kiosk designs are continuing to develop as new technologies become available.

Environmentally Responsible Solution for Oil Filled Transformers

In today's world where the need to meet the needs of the environment, safety and financial considerations have become paramount, EPE offers to our clients the Envirotemp FR3 fluid from Cooper Power Systems. This fluid which is a direct replacement for transformer mineral oil satisfies all of the above. It can be supplied with new transformers or retro filled. Using Envirotemp FR3 fluid provides improvements in safety, environmental responsibility, performance and savings.

Efficiency

With the availability of new transformers which can be manufactured to MEPS efficiency standards, this has enabled EPE to offer to the market environmentally friendly units. MEPS offers 70% less loss when compared with standard efficiency transformers.

This in turn means that Power Stations are not working as hard and consequently producing less emissions that damage our environment.



Concrete Transformer Bunds



EPE has designed and developed their transformer bunds to ensure that any oil spills remain contained. This cost effective solution is fully compliant with AS2067 and all other relevant standards.

All EPE built, pre-fabricated bunds are designed with transport costs to our clients in mind. EPE ensure that the physical size of any structure does not exceed the limits of Australian transport laws. As a result, EPE's clients are not exposed to the additional costs associated with oversize transport.



EPE recognize the large costs associated with on-site work and have developed a range adaptable, modular solutions, complementing our high quality products. Drawing on our teams many years of collective experience, clients enjoy peace of mind that a large portion of the on-site work has been taken care of at a fraction of the cost.



Refurbishment & HV Rewinding



Transformer Refurbishment Facilities

Oil tankage, certified PCB free Transportable, oil streamline system Fixed, oil streamline system Transportable, oil filter/pumping system Transportable, oil pumping system Transformer testing certification Transformer repair certification Circuit breaker testing certification Multi stage 1 micron oil filtering system Thermostatically controlled, fan forced oven (Fixed) Thermostatically controlled, fan forced oven (Drop over/skirted) Dielectric oil tester Multi facet oil test facility Ratio meter to AS 2374 PT.1 CL.8 Insulation resistance tester <5kV High frequency back feed tester, for induced over voltage withstand test to AS 2374 PT3 CL.12 70kV AC Hi-pot tester 25kV DC Hi-pot tester 12kV DC Hi-pot tester 10 Amp DC micro ohm meter Transportable, insulated transformer drying oven Cranage and forklift facilities to 20 tonnes

HV Transformer Rewinding Facilities

Early in 2003, EPE installed transformer winding and design facilities to wind and/or rewind both ONAN and ANAN transformers to custom requirements up to 1.5 MVA & 33 kV. In 2010 EPE further extended our facilities for winding and completed a new environmentally controlled winding room with a total area of 60 square meters. The new winding room allows EPE to offer our clients viable solutions for both repair & new coils within the winding range.



Hire Transfomrers



EPE recognises that not all expenditures in the mining industry have to be capital expenditure.

EPE set up a Rental Division to assist clients with any short or long term transformer or site switchboard requirements. Some of the available sizes are listed below.



Transformers and Underground Substations:

- 11kV to 1000V or 415V to 1000V 100 to 1700 kVA
- 415V to 11kV YNd
- 11kV to 415V Dyn
- 415V to 33kV YNd
- 415V to 3,300V YNd
- 415V to 6,600V Ynd
- And many more

Cable Haul Hire Equipment



Cable cutters and crimpers - Range of hydraulic and battery operated cutters and crimpers to suit up to 630mm² aluminium and copper.

Cable drum stands - Variety of “A” frame, 2 piece, scissor & ladder stands catering for up to 12T drums.

Cable drum trailers - 750kg trailer for light vehicle use and 3T for heavy duty use.

Cable Spoolers - Includes 5T electric & diesel, 3T electric & light duty up to 1T electric.

Cable Hauling Accessories - Blow cones, cleaning pigs, cable grip socks, swivels, shackles, 2 way radios, porta power units and girder clamps.

Conduit Duct Snakes - Nylon and fish tape snakes in a variety of lengths

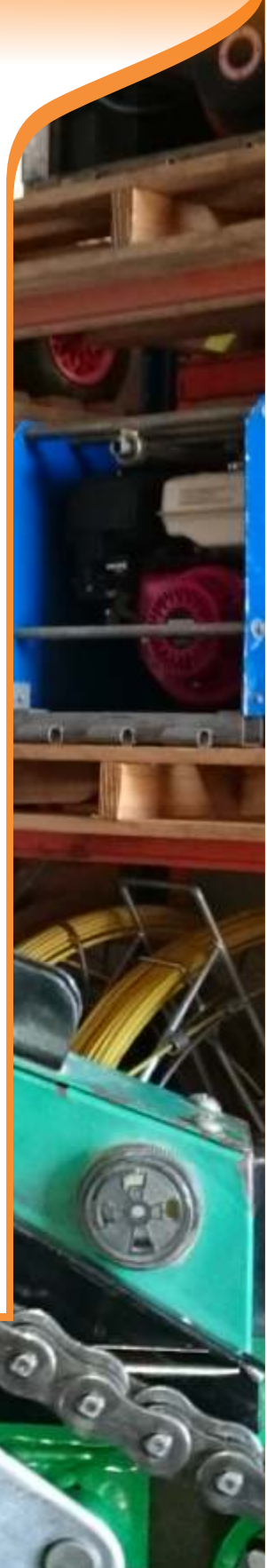
Load measuring equipment - Dynafor load cells up to 25kN, Lifting & Moving, Bottle jacks, 7T edge lifting clutches, pivot and standard skate sets up to 30T.

Trench & Overhead Rollers & Guides - Wide range of rollers and guides including bellmouths, conduit slippers, corner rollers, curved (long & short) rollers, pit rollers, heavy duty polyurethane rollers, standard dogbone rollers, flat tray rollers, cable tray corner and overhead stringing rollers, single & triple hook sheaves.

Winches - Range to suit a large array of applications. Electric winches up to 2.9T. Petrol/diesel drawbar & trailer winches up to 2T and specialised fibre optic NBN winches.

Hauling Rope - From polypropylene, double braid, pelican, spectra to plasma rope, we have a variety of specialised rope to suit safe work loads from 400kgs up to 7T and lengths up to 350 meters.

Please refer to Cable Haul hire catalogue for detailed product types and specifications.



**Our Corporate
Objective is for Your
Repeat Business**

