

Toshiba International Corporation Pty Ltd

Oceania Operations

In Touch with Tomorrow



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TOSHIBA

BASIC COMMITMENT OF THE TOSHIBA GROUP

We, the Toshiba Group of companies, based on our total commitment to people and the future, are determined to help create a higher quality of life for life for all people, and to do our part to help ensure that progress continues within the world community.

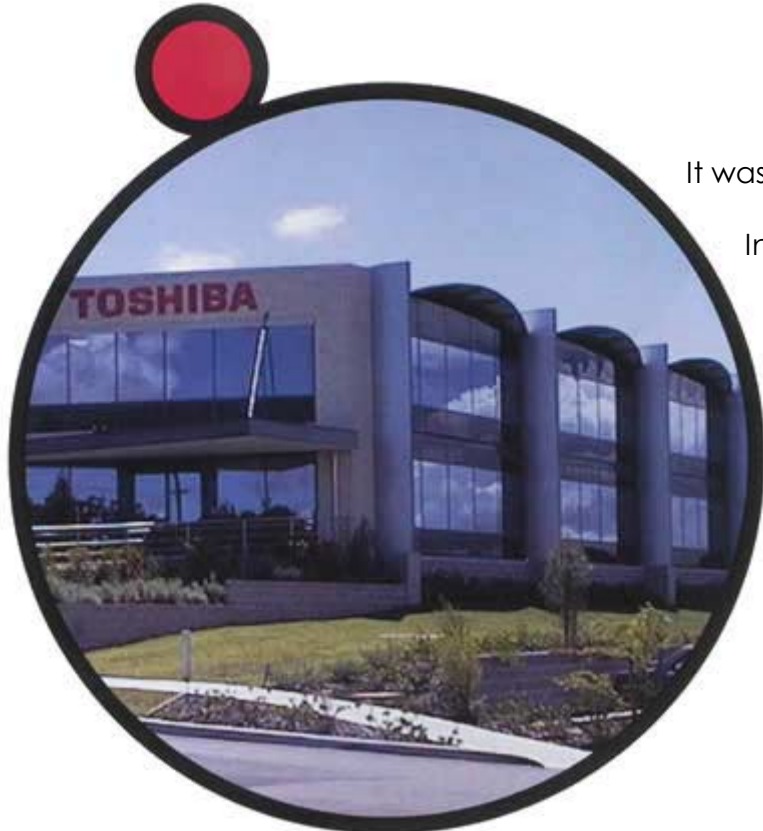
COMMITMENT TO PEOPLE

We endeavour to serve the needs of all people, especially our customers, shareholders and employees, by implementing forward-looking strategies while carrying out responsible and responsive business activities. As good corporate citizens, we actively contribute to further the goals of society.

COMMITMENT TOE THE FUTURE

By continually developing innovative technologies centering on the fields of Electronics and Energy, we strive to create products and services that enhance human life, and which lead to a thriving, healthy society. We constantly seek new approaches that help realise the goals of the world community, including ways to improve the world environment.

Established in 1978, Toshiba International Corporation is a wholly owned subsidiary of Toshiba Corporation, Japan. Originally operating as a representative office of the parent company, our initial activities were successfully focused on the Power Generation and Steel Industries.



It was from this solid engineering base that Toshiba International Corporation's Oceania Operations were formed and rapidly grew to incorporate Branch Offices in Queensland, Victoria, Western Australia and more recently in New Zealand.

**TOSHIBA INTERNATIONAL CORPORATION
HEAD OFFICE - SYDNEY**

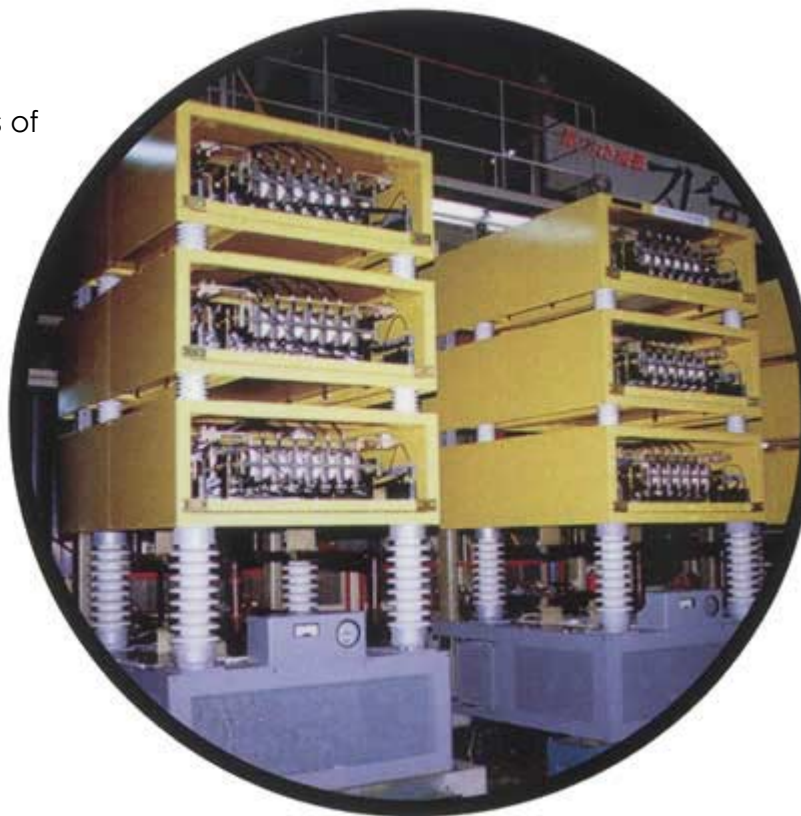


Today, Toshiba's products are still universally recognised for their superior quality, innovative design and long-term reliability.

In support of these admirable product features a dedicated team of Engineers, Technicians and Product Specialists has been assembled to ensure provision of the long-term solutions that Industry demands.

**TOSHIBA CORPORATION
HEAD OFFICE - TOKYO**

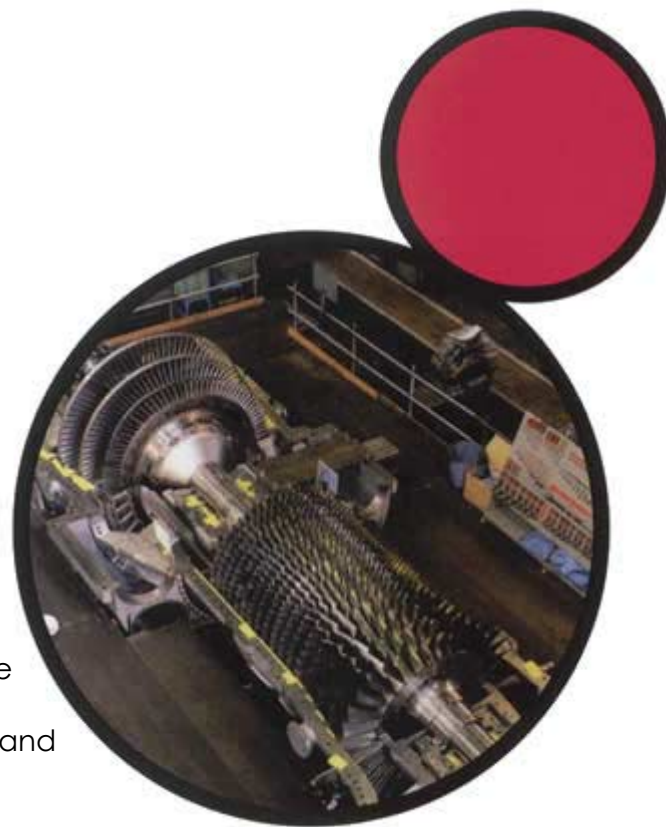
Toshiba is one of the world's leading manufacturers of Hydro and Thermal Power Plant. Toshiba International Corporation has installed more than 10,000MW of generating plant throughout Australia and New Zealand. Including 12 X 660MW units into NSW, these being Australia's largest.



**THE HEART OF A STATIC VAR COMPENSATOR
A TOSHIBA THYRISTOR VALVE**

Current projects include the supply, installation and commissioning of 2 X 420MW Steam Turbine Generators to Callide C in Queensland and Static VAR Compensators to Ross River and Lismore.

Another Key aspect of power plant engineering is the maintenance and upgrading of existing plant to a level of operation whereby they continue to provide safe, reliable and efficient power. Toshiba International Corporation is able to provide maintenance and upgrade programs designed to implement the latest technologies and techniques developed by Toshiba Corporation in Japan.



GAS TURBINE FRAME 900E

In addition to our other activities we have, whilst working closely with Toshiba Corporation in Japan, developed state of the art power plant monitoring and control software.

Today, the software developed through this collaboration is being utilised to optimise power plant performance on a global scale.



**ROTOR
FOR STEAM TURBINE**



**TUMUT No.3
POWER STATION**



YALLOURN POWER STATION



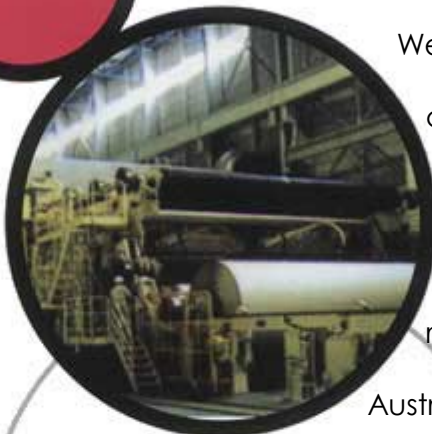
Toshiba International Corporation's Engineered Systems group specialises in the provision of total turn key solutions.

This incorporates complete design, manufacture, testing and commissioning of plant, as well as the provision of ongoing engineering service and support.

Where required our engineers are also able to assist with the implementation and co-ordination of Plant Audits, Training, Risk Analysis and Service Contracts.



HOT STRIP MILL



PAPER MACHINE

We offer services for a variety of multi-disciplinary applications, including those of the Mining and Manufacturing sectors throughout the region: Companies to have recently utilised these services include Australian Paper, BHP, Capral, Orica and KAAL.

As one of the world's largest electrical and electronics manufacturers, Toshiba's range of control products benefits from both a highly funded R&D program and a total commitment to quality and reliability.

PROCESS CONTROLLER

The range of control products supported by Toshiba International Corporation includes Field Instrumentation, Programmable Controllers, Process Controllers and Distributed Control Systems.



The design philosophy implemented for this range of products is targeted to meet with the high standards demanded on large industrial projects, and is fully supported by our Engineered Systems group.

MAGNETIC FLOWMETER



This collaboration results in a wealth of user oriented features utilising discrete components, which offer Open Architecture and High Performance whilst maintaining full conformance to the latest industry standards.

PROGRAMMABLE CONTROLLER



Toshiba International Corporation's range of Low Voltage Motors has gained an enviable reputation over the years through the supply of product that is both robust in design and reliable in operation.

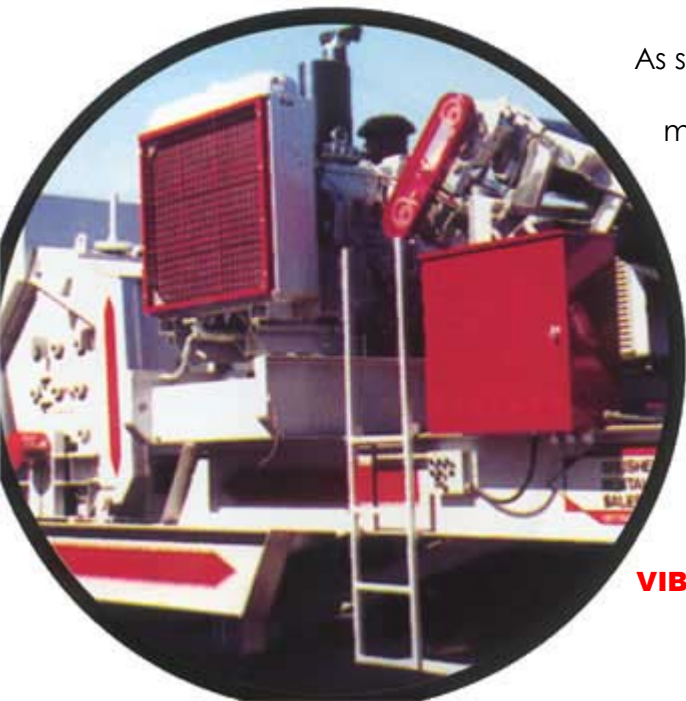
In addition to our standard range of TEFC and ODP motors, we offer a complete range of Hazardous Area motors (Ex'd, Ex'n, Ex'e and DIP) for use in the Petrochemical and Mining sectors of industry.



CONVEYOR APPLICATION



As one of the few companies capable of supplying both Motors and Variable Speed Drives, we have undertaken numerous studies of the adverse effects that may be suffered when combining these two pieces of equipment.



As such, we are able to offer Low Voltage Motors specially modified to ensure they will not suffer from the fatal effects of Electro Discharge Machining (EDM) of motor bearings, First Turn winding failure and Overheating due to reduced speed operation.

VIBRATORY FEEDER APPLICATION

Toshiba has been an innovative force in the field of Solid State Motor Control since its inception, providing a diverse range of General and Purpose Built Variable Speed Drives and Soft Starters to all sectors of industry.

VARIABLE SPEED DRIVES

We offer a complete range of Open and Closed Loop Vector Control systems that are suitable for installation into the most arduous and demanding of applications. These products being fully backed by our team of factory trained technicians and product specialists.

Our experience in this field of engineering includes Load Sharing applications on Overland Conveyors and High Inertia Starting applications for Slurry Pumps.

SOFT STARTERS

It is through our ongoing investigation of these arduous applications that we are able to supply our Variable Speed Drive and Soft Starter products to industry for all types of application and environmental consideration.

VARIABLE SPEED DRIVE ASSEMBLY



As a key component in all heavy industrial processes, Toshiba International Corporation offers a complete range of High Voltage Squirrel Cage Induction, Wound Rotor and Synchronous Motors.



This range of product being fully supported by a team of highly trained engineers, fully conversant in a diverse range of machine applications. Thereby enabling the supply of custom built motors suitable for virtually any application.



**MEDIUM VOLTAGE
DRIVE**

With the recent introduction of our Medium Voltage Variable Speed Drives we are now able to provide system solutions, which incorporate the very latest in engineering design and technology.

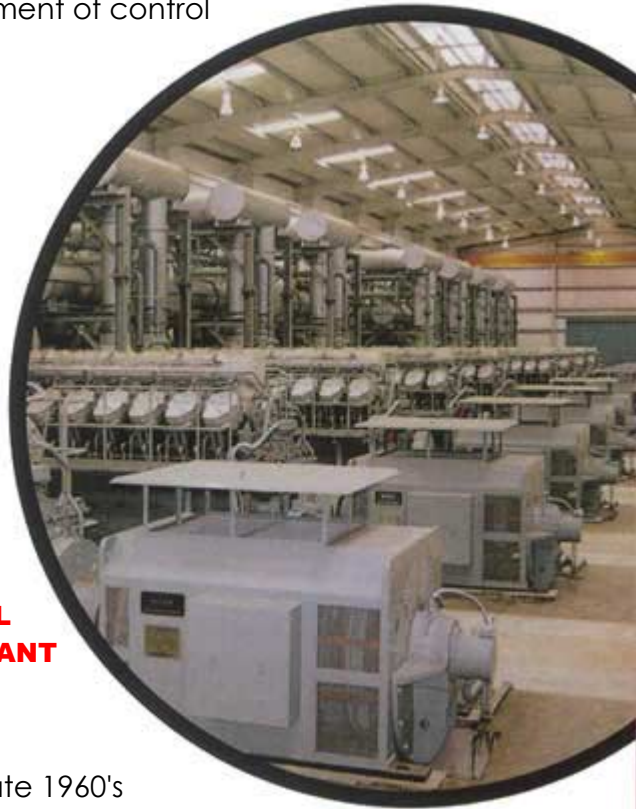


Once again providing our customers with the added advantage of a single source supplier for both Motor and Variable Speed Drive.

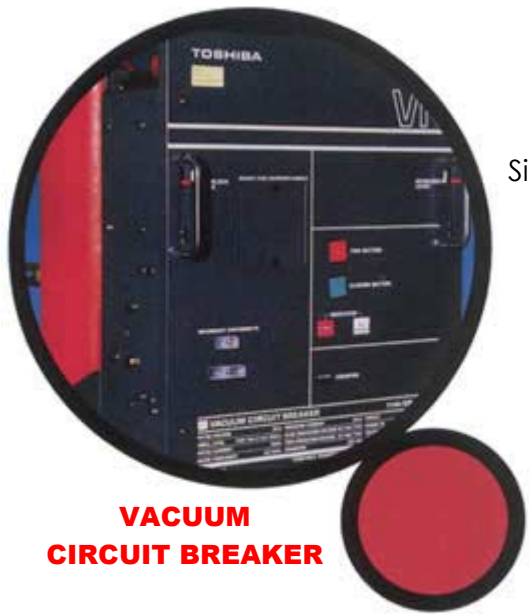


The Toshiba Group has been actively pursuing the advancement of control and efficient energy use for over a half century.

Toshiba International Corporation is now able to offer a range of Power Generating Systems, Co-Generation Systems and Power Generating Units to our customers throughout the region.



55MW DIESEL GENERATOR PLANT



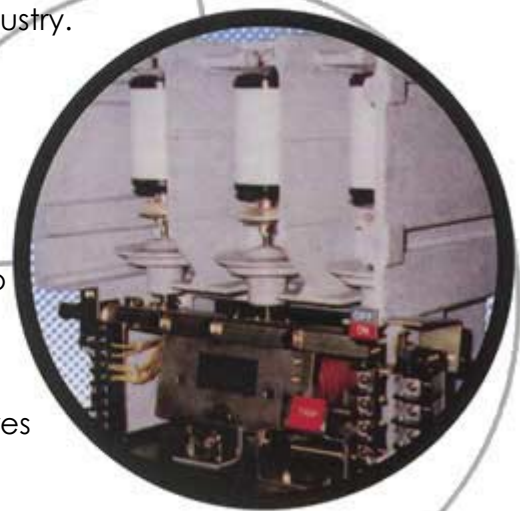
VACUUM CIRCUIT BREAKER

Since its introduction in the late 1960's

Toshiba Corporation has been a world leader in the field of Vacuum Switchgear technology.

Toshiba International Corporation fully supports a diverse range of Vacuum Circuit Breakers, Vacuum Contactors and Fused Combination Units, which have been widely utilised throughout industry.

Toshiba's ongoing commitment to R&D on these products has led to major innovations in both contact design and materials that, when combined with advancements in manufacturing technology, ensures unparalleled operation of this equipment in the field.



VACUUM CONTACTOR

SERVICE AND TRAINING

The two key elements to ensure ongoing customer satisfaction and product reliability are Service and Training.



Toshiba International Corporation fully recognise these requirements and have assembled a team of engineers and technicians to provide comprehensive service and maintenance programs for all of our products.

As such, we are able to offer our customers service contracts to ensure ongoing reliability of their equipment's operation, and field service to minimize plant down time in the event of product failure.



SERVICE AND TRAINING

Toshiba International Corporation offers training courses in support of all our products and services, these courses being customised to suit your individual requirements.

From plant operator to senior engineers our courses are designed to ensure that your staff becomes well versed in the operation and maintenance of our equipment from day one.

It is through this sort of training that plant down time can be kept to a minimum, and that the benefits provided from your product investment are recognised from time of commissioning.

Please feel free to contact our offices at any time to enquire to how we may be of service to you now and in the future.



ENERGY & ELECTRONICS

Toshiba is dedicated to developing a wide range of energy and electronic products and services designed to support both industry and lifestyle.

To further this goal, Toshiba's manufacturing facilities are creating more value-added and intelligent products by utilising our hardware, microelectronics and software technology to manufacture products that are in harmony with the environment.

RESEARCH & DEVELOPMENT

Toshiba has structured its R&D organisation around three major tiers.

Laboratories at the Corporate Research and Development Centre carry out basic research with a 5 years to 10 years horizon.

The centres' activities are coordinated with those of eleven Development Centres, each of which are attached to an individual business group and work on product oriented technologies within a 3 to 5 years framework.

Research at these laboratories leads to new products and models at the divisional engineering departments, which can be found within all Toshiba's manufacturing facilities.

In addition to the Corporate Research Development Centre, one other laboratory, the Corporate Manufacturing Engineering Centre, develops manufacturing technologies that are widely utilised within the company.

MANUFACTURING FACILITIES



FUCHU WORKS-JAPAN



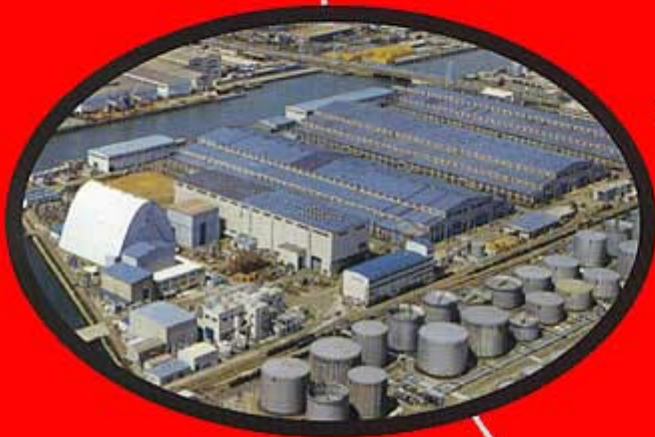
TIC HOUSTON - USA



MIE WORKS-JAPAN



TBB SAO PAULO - BRAZIL



HAMAKAWASAKI WORKS - JAPAN



KEIHIN WORKS - JAPAN

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