



Paltech is a proudly
South African valve
manufacturer, supplier
and maintenance
service provider.

PALTECH
A MEMBER OF THE TWO ROADS GROUP

COMPANY PROFILE



About Paltech

Paltech is a proudly South African valve manufacturer, supplier and maintenance service provider based in Simmerfield, Germiston.

Our state-of-the-art CNC machinery can machine valves from 50mm to 2,5m for various end-users. Where there is an overflow of demand, we make use of our sister company for machining and refurbishment capabilities.

We specialise in providing solutions for our customers. The Paltech design team will work with you to design customised valves with high operating conditions, that can handle aggressive, toxic or abrasive media to increase your efficiencies and provides optimal flow.

Paltech is part of the 2Roads Group - a diversified group of companies with a focus in manufacturing, repair and maintenance of process flow equipment and complimentary engineering services. Through the Group, Paltech has a reach that extends to the SADC region, the Middle East, Australia and Europe.



Our Market Position

Paltech is at the forefront of many innovations and pushed considerable boundaries in what is considered premium valve manufacturing.

Our pursuit is to always be one step ahead and owing to this, we continuously work on improving, developing and expanding our product and service offering, for the local and foreign markets. Innovation lies at the heart of the Paltech brand and some of our pioneering advances include:

- designing the country's first locally manufactured specialty aluminium valves, available for the Pal-T and the transformer valve.
- developing a specialised transformer valve to resolve oil leakages. This valve is the first locally manufactured transformer valve that is now commonly used in the power generation processes.
- being the first local valve manufacturer to become officially certified for the marine industry by both, Lloyds and Bureau Veritas

In addition, Paltech is geared up to be the first local manufacturer to supply the nuclear industry and is awaiting a second assessment from nuclear giant, EDF. Our valves are durable, well-engineered and of a high technical standard. They stand the test of time as evidenced by our flagship Pal-T valve that remains operational for more than 25 years, at one of our clients' plants..

Our Certifications

Paltech strives to continuously improve its operations and quality remains the priority focus.

We run an Integrated Management System.

PALTECH CERTIFICATIONS AND STANDARDS	
ISO 9001: 2015	Quality Management System
ISO 14001:2015	Environmental Management System
ISO 45001: 2018	Occupational Health and Safety Management System
PED 2014/68/EU	Europe Pressure Equipment Directive (LAW)
SIL L3 IEC 61508	Safety Integrity Level III
JASWIC	Board of Engineers (Water Certification)
SABS 1849	Butterfly Valve for Water
Marine	Bureau Veritas Type Approval
Marine	Veritas Mode II
Marine	Lloyds Type Approval
Marine	Lloyds Mode II

PALTECH CERTIFICATIONS IN PROCESS	
ISO 19443:2018	Nuclear Management System
ISO 3834-2	Comprehensive Quality Requirements
API Q1	Specification for Quality Management System Requirements for Manufacturing Organisations for the Petroleum and Natural Gas Industry
ISO 17025:2017	Testing & Calibration Laboratories
SANS 664	Wedge Gate and RSV valves for Waterworks

Our valves can handle higher pressures and temperatures and more aggressive processes.

Industry clientele

Our priority is delivering excellent service and advanced solutions to our clients. This has allowed us to develop high-quality valves for various applications that cater to a variety of industries such as:



Oil & Gas



Chemical & Petrochemical Processing



Pulp & Paper



Power Generation



Water



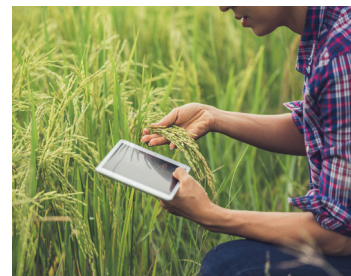
Mining



Maritime



Cement & Powders



Agriculture



Food & Beverage Processing



Utilities



Steel making

Our Service Offering

WE OFFER	YOUR BENEFIT
OEM Valve & Pump Supplier Original Equipment Manufacturer valve and pump supplier to the power generation, industrial, and oil & gas sectors	• OEM support of the valves and pumps throughout their operational life.
Valve & Pump Spares Supplier Valve and pump spares supplier. From on-site data collection to on time supply of spares for stock replenishment.	• On time delivery with unique part code assigning for ease of re-order. • Reduced management effort with single source supplier. • Latest materials and techniques used for design and manufacture. • Quick return to service with short lead times. • Reliable and durable solutions fit for purpose. • Reassurance of dealing with a major manufacturer.
Field Services Statutory inspections, overhauls and repair of valves, actuators, and pumps (including maintenance planning).	• Optimised operation of all valves and controls with security of work carried out to ISO 9001 level of quality. • Ease of management through consolidation of service and maintenance programs under Paltech.
Outage Management Outage and shutdown project management and delivery across all pumps, valves, and controls. Delivered by experienced managers and onsite engineers and backed-up by a fully equipped workshop.	• Controlled delivery from a single source with effective pre-planning and project management. • Prompt on-time return to service with full SHEQ process compliance throughout. • Reliable ongoing operation with leak-free valves serviced by specialists in valve design and operation.
Workshop Services Maintenance programs and OEM parts, upgrade kits and replacements for pumps, actuators, and valves.	• Extended lifespan of reliable pumps, actuators, and valves without costly and time intensive change-outs. • Control over standard maintenance activities with personnel trained to the highest Quality Control Standard
In-situ Valve Seat Replacement Combining Paltech service expertise with leading welding technology.	• Minimised operational downtime with seat issues resolved without valve removal. • Cost effective solution avoiding new valve replacement and extending valve lifespan.
Pressure Testing Pressure testing service using pressure test facility with state-of-the-art testing equipment, software and experienced technicians.	• Reassurance of safe and compliant valves with full test certification. • Any faults or issues identified along with best resolution options to maximise valve integrity and efficiency.

Our Product Range

Transformer Valve

**Description:**

Aluminium body radiator isolation valve utilised in oil-immersed power transformers. Compact and cost-effective solution with double O-rings to insure zero leakage on spindle atmospheric side.

Applications:

Power Generation / Power Generating

Dimensions:

DN80

Pressure Rating:

PN10

Flanged Slurry Sleeve

**Description:**

Flanged Slurry Sleeve bullet design. Mild Steel A106 body with Natural Rubber / EPDM / Viton sleeves. Closed-frame design for non-spillage to atmosphere when liner is ruptured.

Closed-frame design for non-spillage to atmosphere when liner is ruptured

Applications:

Mining, Ash-handling, Waste Water

Dimensions:

80 NB - 250 NB

Pressure Rating:

PN25

PAL-T High Performance Single Eccentric Butterfly Valve

**Description:**

Paltech PAL-T Butterfly Valve is a high strength durable and compact valve capable of working in high pressure and temperature environments. The exclusive, patented angular seat and disc design, offset to the body centreline, presents no interference with the shafts; both disc and integral body seat are perfectly spherical. These valves are manufactured in a wide range of standard and exotic materials for corrosion resistance against various aggressive mediums.

Applications:

Air Conditioning and refrigeration, Chemical & Petrochemical Processing, Food and Beverages, Industrial, Mining, Miscellaneous Plants, Petroleum, Pulp & Paper, Utilities and other fields

Dimensions:

DN50 – DN250

Pressure Rating:

PN20 – PN40 (Class 150)50)

High Performance Bi-Ax Butterfly Valve

**Description:**

Paltech Biax Butterfly Valve, Double eccentric, wafer style, high performance valve is a high strength durable and compact valve capable of working in high pressure and temperature environments. These valves are manufactured in a wide range of standard and exotic materials for corrosion resistance against various aggressive mediums.

Applications:

Air Conditioning and refrigeration, Chemical & Petrochemical Processing, Food and Beverages, Industrial, Mining, Miscellaneous Plants, Petroleum, Pulp & Paper, Utilities and other fields

Dimensions:

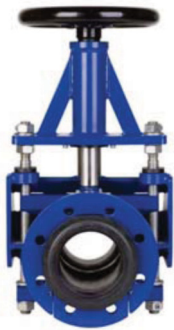
DN50 – DN300

Pressure Rating:

PN50

Our Product Range

Pinch Valve

**Description:**

Pinch valve flanged slurry sleeve valve. Low maintenance as no internal moving parts in contact with the fluid. Larger valve with split body design for easily replaceable sleeve / seal kit making this valve a very cost-effective solution.

Applications:

Mining, Ash-handling, Waste Water and other fields

Dimensions:

25NB – 80NB

Pressure Rating:

PN25

Wafer Slim Swing Check Valve

**Description:**

Swing-type check valve also commonly known as non-return valves ensuring restriction of material flow in one direction. Essential for protection of key processing equipment such as pumps from material backflow. Also available in Wafer Double Door and Single Door configurations on request.

Applications:

Water, Power Stations, Chemical Processing Plants, Mining and other fields

Dimensions:

DN40 – DN500

Pressure Rating:

PN16 – PN25

Flanged Diaphragm Non-Return Foot Valve

**Description:**

Non-return valve with diaphragm ensuring restriction of material flow in one direction. Diaphragm ensure soft closure design to eliminate water hammering. Easily replaceable seal-kit.

Applications:

Water, Power Stations, Chemical Processing Plants, Mining and other fields

Dimensions:

DN50 – DN500

Pressure Rating:

PN16

Flanged Diaphragm Non-Return Valve

**Description:**

Non-return valve with diaphragm ensuring restriction of material flow in one direction. Essential for protection of key processing equipment such as pumps from material backflow. Diaphragm prevents water hammering. Easily replaceable seal-kit.

Applications:

Water, Power Stations, Chemical Processing Plants, Mining and other fields

Dimensions:

DN50 – DN300 (600-700 on

Pressure Rating:

PN10 – PN40

Our Product Range

Knife Gate Valve



Description:

Knife Gate Valves manufactured for light to heavy slurry applications. Utilised for critical applications where zero leakage is essential. Various seating and packing options available for any client requirement.

Applications:

Mining, Power Generation, Paper & pulp, Water and other fields

Dimensions:

DN50 – DN1400

Pressure Rating:

PN10 - PN40

API Forged Steel Gate, Globe and Check valve



Description:

Forged valves are ideal at handling high-temperature, high-pressure applications. Gate, Globe & Check valves available for all throttling and flow cut off applications, when coupled with API certification these valves are ideal for utilisation in the oil and gas industry.

Applications:

Oil & gas, Mining, Power Generation, Paper & pulp, Water and other fields

Dimensions:

DN15 – DN80

Pressure Rating:

150LBS – 2500 LBS

API Cast Steel Gate, Globe and Check Valve



Description:

Cast Steel Gate, Globe & Check valves available for all throttling and flow cut off applications, when coupled with API certification these valves are ideal for utilisation in the oil and gas industry. These valves are available with a variety of materials, connection and construction options.

Applications:

Oil & gas, Mining, Power Generation, Paper & pulp, Water and other fields

Dimensions:

DN50 – DN450

Pressure Rating:

PN16-PN40, 150LBS-2500LBS

RSV and Wedge Gate Valves - Water works



Description:

Resilient seal & Metal seated wedge gate valves manufactured to SABS 664 & 665 standards for use in low maintenance, zero leakage applications where the valve is kept fully open or fully closed. These type valves are the standard in the Water industry for pipeline isolation.

Applications:

waterworks, mining, power, agriculture, marine and general industries.

Dimensions:

DN50 – DN1800

Pressure Rating:

PN16 – PN40

Our Product Range

Ball Valves



Description:

Ball Valves are ideally suited for installations that may require quick opening and closing capability, such as emergency pipe isolation applications. Various seating and material options are available which allows these valves to be utilised in various mediums and in various states – gas, vapours or liquids.

Applications:

Mining, Oil & gas, Power Generation, Fuels, Water and other fields

Dimensions:

DN8 - DN1200

Pressure Rating:

PN16-PN40, 150LBS-2500LBS



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Local Manufacturer, Global Supplier

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