

Our tank manufacturing excellence fuels our success. We'd like it to be part of your success too.



forgeweld

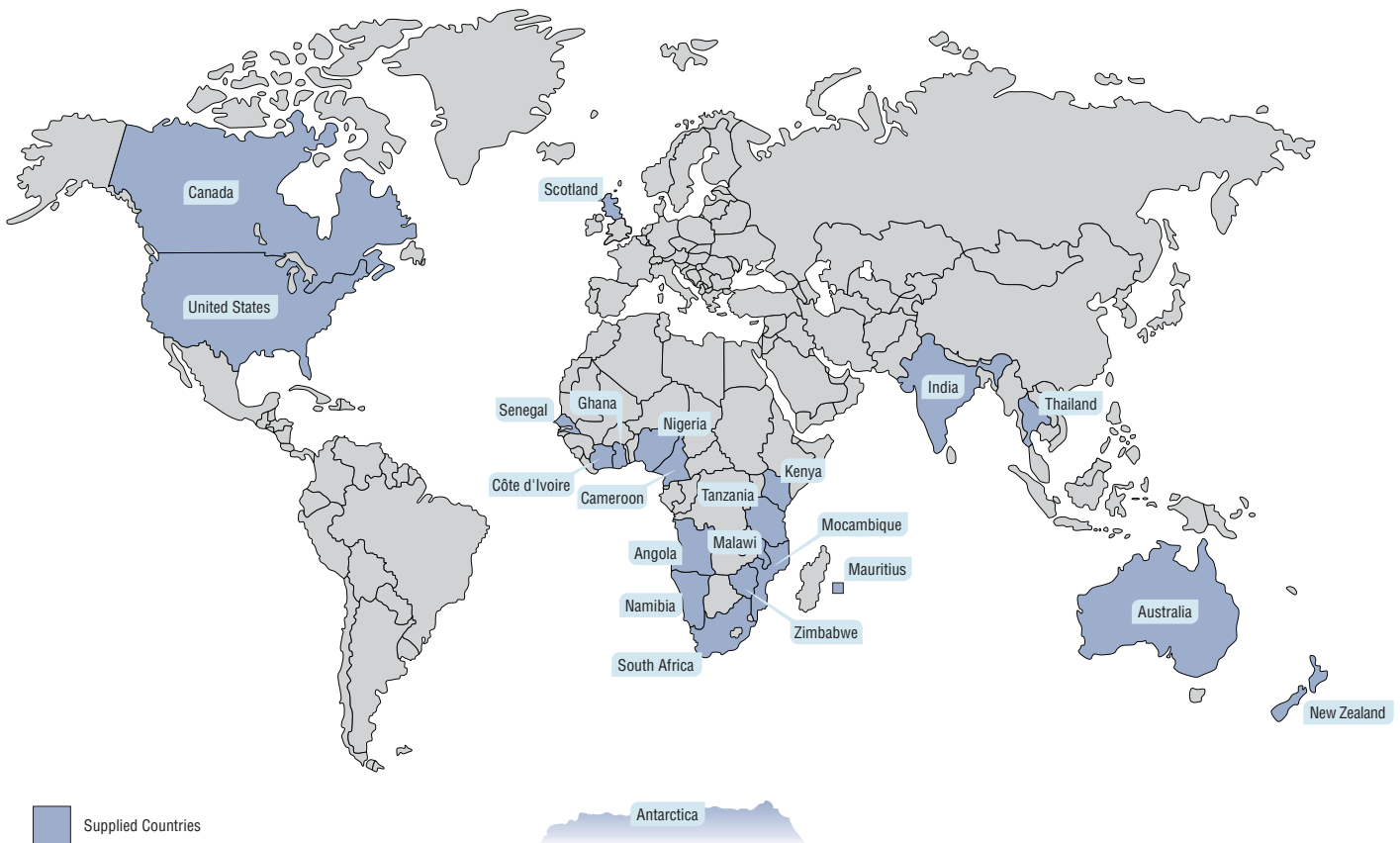
**LEADERS IN STEEL TANK  
MANUFACTURE, SINCE 1963.**



Member - Steel Tank Institute of America; South African Bureau of Standards Certified; ISO 9001 Compliant; Underwriters Laboratory Certified.

# forgeweld

WORLDWIDE



If you've been tasked with choosing or specifying storage solutions for the petrochemical industry, the name Forgeweld should be reassuringly familiar to you. It is a name on which you can rely.

We've been in business since 1963, and are one of Africa's leading manufacturers and suppliers of both underground and aboveground fuel storage systems to the industry.

Propelled by strong support in Southern Africa, we are rapidly expanding our presence on the world stage, exporting quality cost-effective products all over Africa, the Indian Ocean Islands, the Middle East and Asia and Australia.

## The range you can rely on

We manufacture and supply a range of competitively priced, quality products incorporating the most up-to-date technology available worldwide. These products include underground and aboveground storage tanks, as well as tank ancillary equipment.

## Safety for people - and the environment

Increasing public concern for the environment resulted in the development of tanks which would ensure the safe underground storage of fuels by preventing leakage into the soil. Since fuel leakage is caused largely by the corrosion of the tank wall, often as a result of substandard coatings being applied to it, Forgeweld recognised the need to manufacture a product that would offer the best possible system for the prevention of leakages resulting from corrosion.

We are accredited by international standards authorities, the South African Bureau of Standards, and the United States Underwriters Laboratory. In addition to these credentials, we can manufacture to European CEN standards.

## Ancillary equipment

Our range includes tank ancillary equipment, sourced both locally and from Hockmann-Lewis and Franklin Fueling Systems of the USA, as well as from some of Europe's top manufacturers, including NUPI of Italy and LAFON of France.

As renewable resources become ever more important forms of clean energy, Forgeweld is determined to keep abreast of the latest trends and developments and is looking at ways in which the company can contribute to renewables technology.

## Service to match our product excellence

Our high production focus is backed by excellent customer service from our friendly and efficient team.

We aim to supply our customers with the ultimate fuel storage solutions. And we endeavour to demonstrate that profitability, concern for the environment and caring for people can go hand in hand.



**LEADERS IN STEEL TANK MANUFACTURE, SINCE 1963. FORGEWELD'S MISSION IS TO BE A LEADER IN FUEL STORAGE SYSTEMS BY PROVIDING ENVIRONMENTALLY FRIENDLY, INNOVATIVE, COST-EFFECTIVE, INTERNATIONALLY ACCREDITED PRODUCTS AND SERVICES.**

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### ABOVEGROUND TANKS

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**BULK TO FARMER TANKS** Tough enough to handle the rough, Forgeweld's diesel tanks have become a familiar sight on the South African landscape. Generations of farmers have relied on the durability and the workmanship that go into building these cylindrical storage tanks that just last and last.

**CRADLE-MOUNTED & SKIDS-MOUNTED TANKS** Either mounted on cradles fixed to the floor, or fitted with skids that enable easy repositioning where required on site, the tanks in this range are built to withstand the onslaught of the elements and manhandling over the roughest terrain. Constructed in hardwearing 6 mm carbon steel, these are Forgeweld's trusty workhorses for the fuel and construction industries.

**FIREGUARD™ TANKS** Forgeweld Fireguard™ tanks are the solution to the storage of Class 1 liquids above ground. They're transportable, reliable, internationally accredited and class-leading - a Forgeweld exclusive. A steel primary containment tank, contained within a steel secondary tank, with a unique, lightweight insulation called the Steel Tank Institute of America (STI) Ingredient "B", in between. Forgeweld, a member of the STI, is the exclusive manufacturer and distributor of Fireguard™ in the Southern Hemisphere.

### UNDERGROUND TANKS

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**COMPOSITE BONDED TANKS** Simple, effective, reliable, compliant. Problem-free performance - that's the beauty of Forgeweld's composite bonded underground storage tanks. Combining the structural integrity of 6 mm SABS Grade 355JR carbon steel plate with the corrosion resistance of a 2,5 to 3 mm Fibreglass Reinforced Polyester (FRP) shell, these tanks have high tensile strength and impact properties and are recommended for the safe storage of all blends of conventional and oxygenated fuels, including methanol.

**PERMATANKS** This revolutionary tank design, known as the "jacketed tank", was developed in the mid-1980s by the Permatank Corporation of the USA. It pioneered a lasting solution to environmental concerns. Forgeweld is the official supplier of Permatank® to Chevron South Africa. Forgeweld has been manufacturing the Permatank® since 1992. Today we are one of the world's major Permatank® producers and our market is growing. Permatank® carries a 30-year warrantee.

**DOUBLE-WALLED STEEL TANKS** Forgeweld Double-walled steel underground storage tanks (USTs) use secondary containment technology to banish any concerns over environmental contamination caused by leakage. The tanks consist of a steel primary tank enclosed within a steel secondary tank. A 25-mm interstice is formed between the inner and outer tank. After tank installation, the interstice is filled with a mixture of water and glycol. Any loss of liquid level or pressure activates an alarm. The glycol mixture also provides insulation and temperature control.

### PIPING

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Forgeweld is proud to be the preferred South African agents and distributors for NUPI products. NUPI s.p.a. Bologna, Italy, is one of Europe's leading manufacturers of integrated piping and jointing systems for use in buried applications handling various grades of petroleum fuels and alcohols. Extensive research and NUPI's 25-year experience in thermoplastic processing have resulted in the SMARTFLEX and SMARTCONTAINMENT piping systems.

### ANCILLARY EQUIPMENT

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**MANHOLE AND FRAME:** This strong university-tested design consists of a cast iron frame and a lid fabricated from diagonally woven fibreglass matting.

**SAM1 PISTON PUMP:** A cost-effective hand pump, constructed from lightweight aluminium and fitted with a replaceable stainless steel liner which provides the piston with a corrosion-resistant surface on which to operate.

**K33 FLOWMETER:** A reliable, cost-effective nutating disc meter for measuring quantities of dispensed fuel or lubricant. It consists of an aluminium metering chamber and polybutylene nutating disc with an aligned 1" G inlet and outlet and mechanical readout device with rotating wheels. It is easy to install and calibrate and offers four different flow configurations. In litre and gallon units with 3-digit subtotals and 6-digit totals.

**FXV LEAK DETECTOR:** It offers a variety of tests, including the fastest line test for hourly monitoring available, without spilling any product or interrupting business at the fuel dispense - simply snap the FX tester onto the FX2V with the convenient snap tap connectors. FXV leak detectors are Underwriters Laboratory listed and third party certified to guarantee performance and durability.

**LADDERS/WALKWAYS:** To ensure easy access, these can be manufactured to suit your tank sizes and layout. Also available in standard dimensions.

*For more details or to order, please contact your nearest Forgeweld office.*

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