



# Think **Tanks**

Think



VIDEX STORAGE TANKS

## VIDEX – WHERE IT ALL BEGAN...

Established in 1984, in a small workshop in Germiston, Videx started out as a manufacturer of small studs and bolts, primarily used in structural applications. Videx has grown into a multifaceted Company with divisions servicing the mining sector to water storage.

In the early 90's Videx started its mining products division, which manufactures safety critical products, namely mining roof bolts and strata control systems. Videx's constant drive to supply innovative, cost-effective products of the highest quality coupled with great customer service has elevated it, not only into an industry leader but has given us a reputation within the mining sector as being an innovative solution provider.

With the ever-growing concerns around water supply, diversifying into water storage tanks seemed like the next logical step.



VST

APPROVED



THINK QUALITY



# VIDEX STORAGE TANKS (VST) - WHERE WE ARE

Videx Storage Tanks (VST) is a solutions-based water tank manufacturer and supplier, to the African continent. Videx's mission is to match you, the customer, with the best storage solution to meet your site needs and requirements. You can be assured that you are investing in a trusted name in the water industry.



## ABOUT US

The company's 50 000m<sup>2</sup> manufacturing facility is based in Wadeville, Germiston. We process thousands of tonnes of steel products monthly and employ hundreds of people.

Videx is a TÜV accredited company and is affiliated with several industry bodies including the Automatic Sprinkler Inspection Bureau (ASIB), the Fire Engineers Association of South Africa (FEASA) and the Water Institute of Southern Africa (WISA).





## BULK WATER STORAGE SOLUTIONS

Videx offers sectional steel tanks in both modular and circular design. From capacities of 1.816kL to upward of 5000kL (5mL). Tanks are formed using prefabricated panels, cleats and internal bracing bolted together on site, to give an infinite range of sizes and capacities.

This system also lends itself to straightforward refurbishment as individual components can be inspected and replaced as required. Similarly, alterations to dimensions and capacities can be done with minimal downtime.



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VST products are very rugged and have a long lifespan. The tanks modular design, makes for easy "flat-packed" palletised consignments for economical transport, and enables rapid on-site assembly.

Our goal is to provide the best quality product to our customers. To achieve this objective, VST products are manufactured in our factory under ISO 9001 and comply to the SANS 10329:2020 specifications. This ensures that the tank panels and accessories are produced under the most stringent quality audit and meet the required structural and durability performance standards.

We believe it is our duty to ensure that our customers are provided with the most advanced products that incorporate safe and user-friendly systems. That is why we are committed to continuous research and development programmes that seek out new and innovative products. We will always strive to provide you, our customer, with technical expertise and value-added services.

## 01 VST Square Sectional Steel Tanks

- VST modular bolted sectional steel water storage tanks are designed to accommodate a large range of tank capacities and configurations.

## 02 VST Tank Towers

- VST Towers – Are PR structural engineered and designed for stability and durability.

## 03 Circular Tanks

- VST Circular bladder tanks, our newest product, same VST quality.

## 04 Custom Tanks

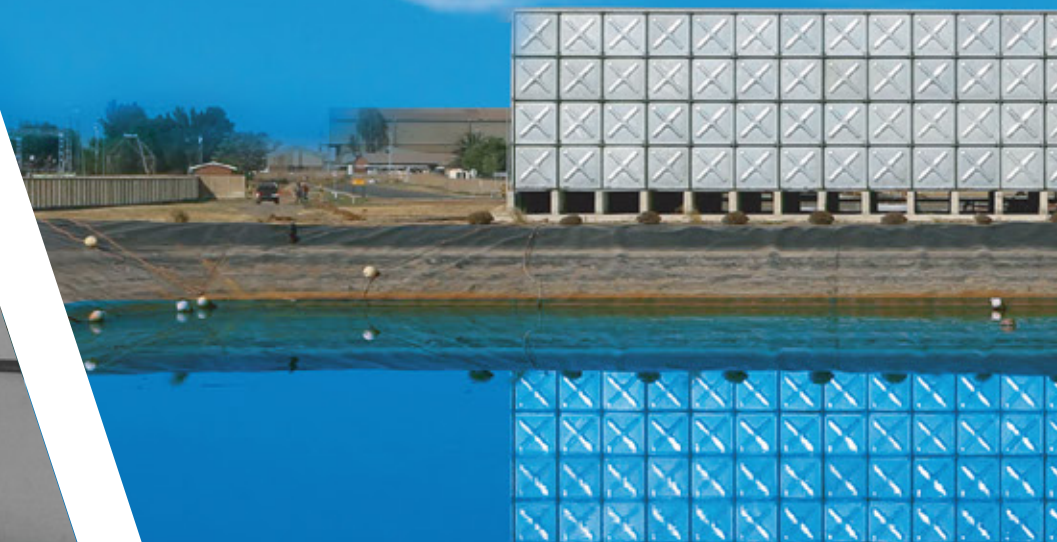
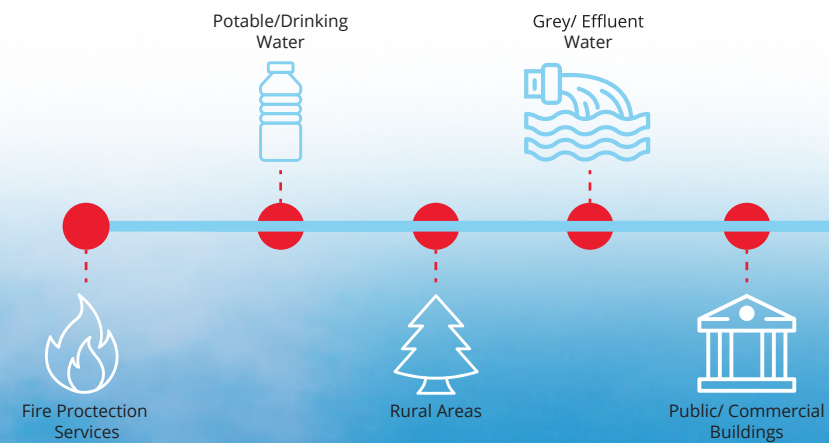
- VST Customised bolted sectional tanks can be configured to suit the clients specific site requirements.





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VIDEX STORAGE TANKS

Mining  
Industry



Construction  
Industry



Harbours



Housing  
Developments

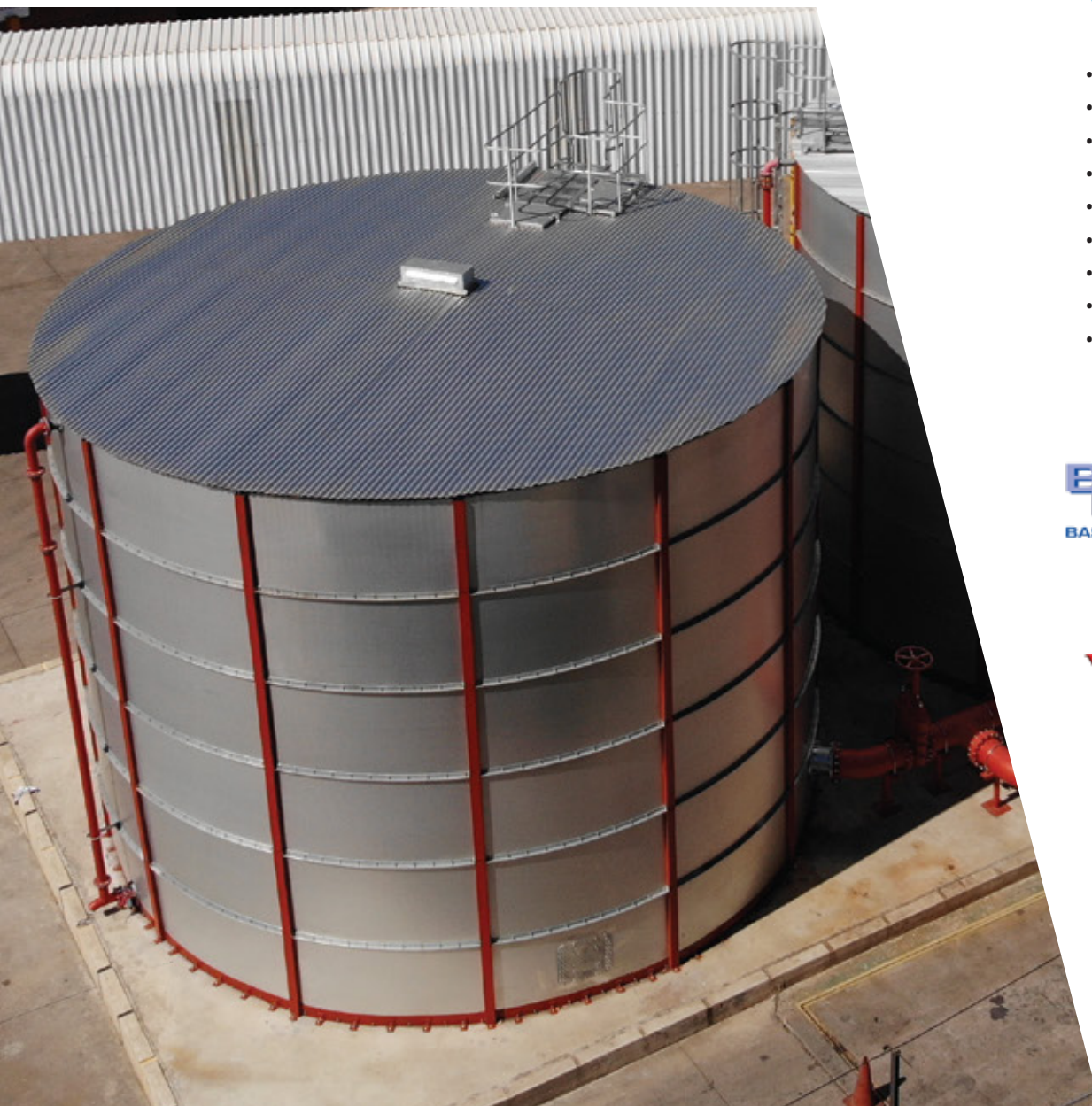


Farming Projects



Hospitals





## WHY VIDEX?

- On site guidance & technical advice.
- Locally manufactured stock, on-hand panels and roofing.
- Step by step on-boarding
- In-house team of engineers & designers.
- Tank connections manufactured to customer specifications.
- In-house, professional installation teams.
- Safe, hygienic water storage.
- Rugged modular design.
- Designed & manufactured to stringent standards.



GLENCORE





## VST BOLTED SECTIONAL STEEL TANK

VST sectional steel tanks come in a modular system, from capacities of 1.816kL to upward of 5000kL (5mL). Tanks are formed using prefabricated panels, cleats and internal bracing bolted together on site, to give an infinite range of sizes and capacities.

All mild steel components are hot-dipped galvanised as per SANS 121 (ISO 1461) and the tanks are sealed using our EPDM double flanged gasket which adds an extra 4mm double ribbed sealing solution. This is an important key factor for the water sealing and longevity of the tank.

The VST sectional steel tank have the advantage of "Flat Packed" palletized consignments for economical transport, and enables rapid on-site assembly.

These tanks are installed on civil engineered concrete plinths, castellated beams or the VST PR engineered, and designed, galvanised steel towers depending on client and site requirements.

## VST TANK TOWER

The VST Towers are designed and manufactured as per SANS 10162. When purchasing a tower form VST the GA (General Arrangement) drawings provided are signed off by our PR Engineer and include a civil design with bending schedule which is site specific for the casting of the civil/foundation of the steel tower/structure. Should additional technical assistance be required during the civil work beneath the tower, our PR Engineer is available for guidance via our friendly VST Staff.



VIDEX STORAGE TANKS



## VST CIRCULAR BLADDER TANKS

Through rigid research and development coupled with the needs of our clients we are proud to announce our new product, the VST circular bladder tanks.

Our VST circular tank range has been designed to be used in various industry sectors with an array of applications. The radial and vertical stiffeners used in our circular tanks are an exclusive in-house design which make the VST Circular tanks ideal to be used in high velocity wind areas. They also lend themselves to quick installation and commissioning with little site preparation as they are installed using an onsite jacking system and in-house installers.

The bladders used in our circular tanks consist of a food grade PVC Plasticized formulation coated on a polyester woven fabric with a high frequency pattern weld adhesion (the bladders are double pattern welded on all the cross joint for extra strength).

The main benefit of using the bladder system, in our tanks, is to prevent liquids from making direct contact with the tank panels thus creating an extended life span for the tank due to reduced risk of corrosion.





# VST CUSTOM TANKS

The VST system has options available to customise tanks for certain client requirements where there are limitations on site like, space constraints, height restriction, immovable object to work around (columns/pillars), odd shaped areas, etc. The VST team will help with a solution-based approach for any of the previously mentioned constraints that would require commissioning.

## STANDARD VST ITEMS

All VST Tanks are supplied with the following standard items:

Level Indicator (Mechanical, of cat & mouse type, in metric scale for each compartment)

Ladders (Internal & external mild steel ladders, hot-dipped galvanised - External ladders cat ladder type)

Four tank connections

- Inlet
- Outlet
- Overflow
- Drain

\* To the client's specification up to 150mm nominal bore size, anything above 150mm to be specified upfront.

Hinged lockable manhole cover per compartment

## VST VALUE ADDED OPTION

### Tank Parts

- Ball Valve Box (Raised box/chamber fitted to the roof of the tank to aid in increasing the effective capacity of the tank)
- Bell mouth overflow (A step down reducer fitted on the inside of the tank to the overflow – works in conjunction with the “Ball Valve Box” to aid in increasing the effective capacity of the tank)
- Sump Box (Fitted to the base of the tank to aid in increasing the effective capacity of the tank)
- Vortex Inhibitor (A specialized pipe fitting used to prevent initiation of vortices within fire suction tank and air entrap into suction pipe.)

### Foundations

The following products offer our time saving installation solution with regards to civil works.

- VST Galvanized Footing Structure
- VST Portable Concrete Dwarf Walls
- Castellated beams



VIDEX STORAGE TANKS







Think **Tanks and Towers**

Think **Service**





## VALUE PROPOSITION

We offer bulk water storage solutions to various industries in an optimised and refined manner. Dealing with us will alleviate a lot of the unnecessary stresses of commissioning a bulk water storage tank.

We align ourselves with customers' needs to make their experience as pleasant as possible. We offer professional and efficient service, quick turnaround time, superior products and after sales-support.

## THINK VST CONSISTENCY

Over the years we have been involved with many significant projects within numerous industries. We have established ourselves as a professional, reliable supplier of high-quality steel tanks for a variety of standard and specialised applications.

All our installation and operations are carried out in a safe manner as determined by OHS Act (85 of 1993) and any amendments to it. We take health and safety extremely seriously and all our installation teams are regularly trained and upskilled.

Think **Delivery and Installation**





Upgrade your experience with the water  
storage industry thought leaders ..

## **Experience the VST Consistency**



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