



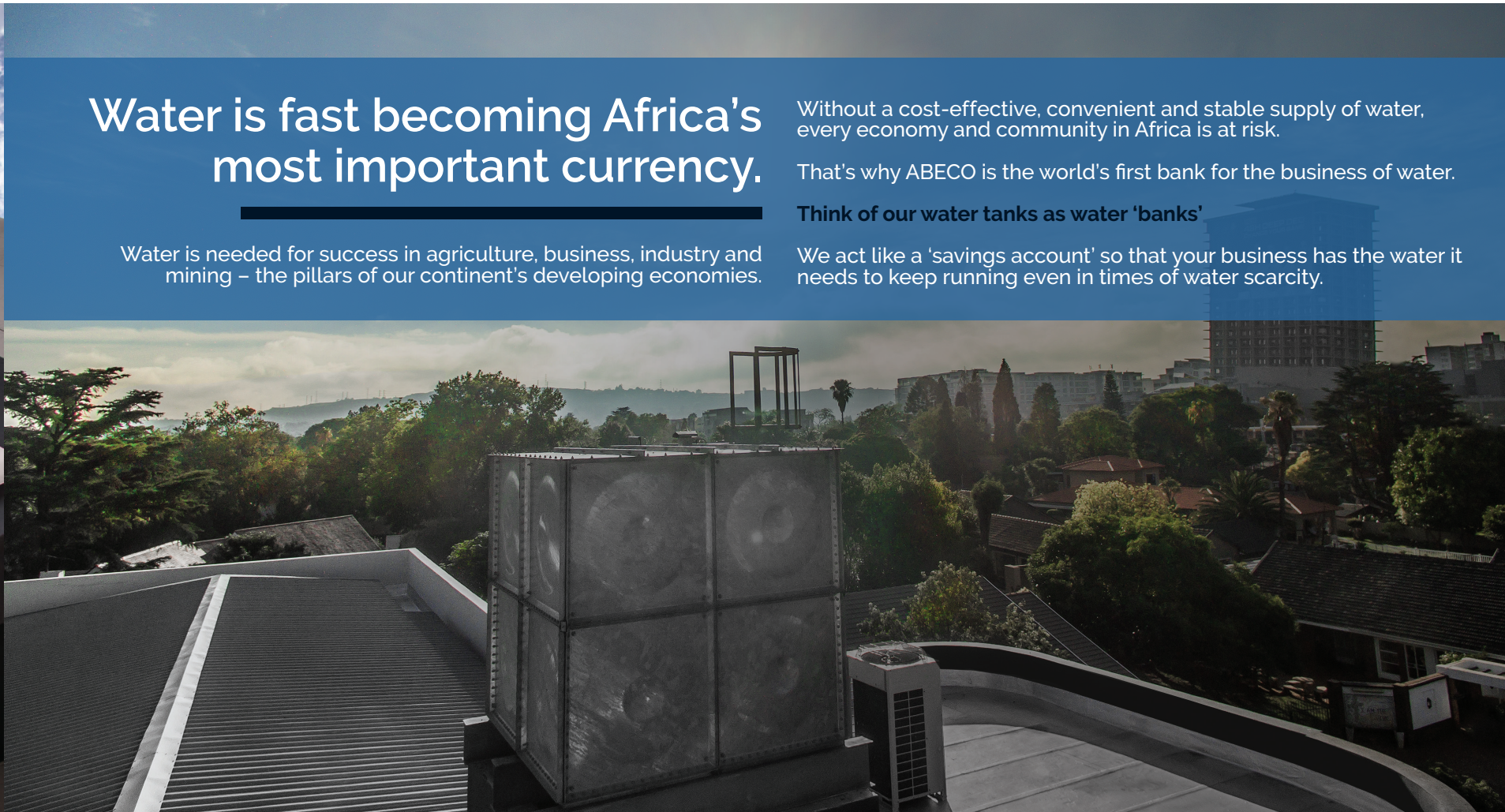
# THE WORLD'S FIRST BANK FOR THE BUSINESS OF WATER

Trusted for over 35 years to  
protect against water scarcity.

Brochure

35<sup>+</sup>  
YEARS  
since 1983





# Water is fast becoming Africa's most important currency.

Water is needed for success in agriculture, business, industry and mining – the pillars of our continent's developing economies.

Without a cost-effective, convenient and stable supply of water, every economy and community in Africa is at risk.

That's why ABECO is the world's first bank for the business of water.

**Think of our water tanks as water 'banks'**

We act like a 'savings account' so that your business has the water it needs to keep running even in times of water scarcity.

## Over 35 years of experience A proven track record of excellence and expertise

Like a bank, ABECO has earned its trusted reputation over time. For more than three and a half decades, ABECO has been an industry leader and innovator in inventing and delivering world-class water storage solutions.

These solutions ensure access to a regular 'savings account' of clean, hygienic water that can be relied on to meet business, community or emergency needs.

## We're an income protector

Having access to clean and hygienic water in times of water scarcity means that your business can keep operating so your income is protected from coming to a standstill when water is in short supply.

This is a vital competitive advantage.

## We're a risk manager

Knowing there is a store of water that can be accessed at any time is an invaluable business asset. Water tanks act as an onsite insurance policy for when things go wrong such as when a fire breaks out.

ABECO Water Tanks are trusted by South Africa's biggest corporates and business leaders for on-site water storage solutions that comply with fire safety legislation. Having an on-site water supply means that a fire can be contained more quickly and the damage can be minimised.

## We're an emergency loan account

Drought, fire, infrastructure failure, natural disasters, soiled water supply and war can lead to normal water supplies coming under threat.

In these instances, ABECO Water Tanks can be easily and cost-effectively erected to ensure communities have access to safe drinking water and enable farmers to continue to irrigate their crops to prevent food shortages.

The threat of disease from contaminated drinking water is eliminated and the impact of a crisis can be minimised via maintaining the supply of clean water.



# The business of water

Water tanks keep businesses running as usual.

Protect your business!

Our interest rate – who are our valued clients?



## Water tanks keep businesses running as usual

Businesses run on water. There isn't a single business that doesn't depend on water – from a multi-million Rand mine to a casual restaurant.

For example, who would have ever thought ordering a plate of pasta or boiled vegetables was out of the question? But that is exactly what happened during the height of the drought in Cape Town. These dishes simply took too much water to prepare so they were taken off the menu.

An ABECO Water Tank would have meant that business could run as usual and diners' favourite dishes could have stayed on the menu.

## Water tanks save jobs

In 2017, farmers in Ceres cut the production of tomatoes due to the drought. No tomatoes meant there was nothing for the tomato purée factory to process. The factory was forced to close down. Everyone lost their job. A water tank could have kept the tomatoes growing, the factory open and people in their jobs.

## Water tanks save money

In the wine country of the Western Cape, wine production dropped by 5% due to a lack of water. This drop in production caused a R525 million drop in revenue across the value chain. A water tank could have mitigated this financial loss.

## Water tanks save and uplift communities

Supplying water resources to communities ensures they are able to thrive in times of drought. Farmers are still able to farm to prevent food shortages. Children also benefit from having a water tank in their community as they are able to spend less time fetching water and more time on activities such as studying.

## We're driving Africa's economy

Like money, water, makes the world go round. But money, like water, must be budgeted by governments and communities alike and there is an increasing need to understand our 'cash flow'.

Africa is already facing the reality of climate change. There have been an increase in droughts, changes in rainfall patterns and decreases in food production. The bottom line is that Africa's communities, who are already vulnerable to these threats, are becoming more vulnerable.

For over 35 years, ABECO has supplied hygienic water storage solutions to Africa.

Solutions that have helped build businesses, contributed to the economic growth of countless communities and well-being. Our innovations have created jobs for thousands of people across the continent.

We've been there for the worst of times and the best, and we know first-hand that water is fast becoming Africa's most important currency.

As access to safe and hygienic water becomes harder and harder, water will become an expensive commodity. Businesses and communities who make plans today to 'bank' water will enjoy the peace of mind and competitive advantage that will come from having a scarce resource on hand. The more water in the 'bank', the more leverage businesses and communities will have to ensure they thrive amidst all the challenges that global warming will bring.

ABECO Water Tanks are trusted to supply clean water to many of Africa's industries from agriculture and hospitality to mining and manufacturing. In just about every business you can think of, ABECO Water Tanks keep businesses running even in times of water scarcity.

ABECO's vast experience gives us the ability to manage and grow your investment, no matter where you are in Africa. Our commitment to excellence and quality ensures that we can take on any environment, challenge or need with the best possible solutions allowing all our clients to enjoy the certainty that comes from having access to a secure water supply they can rely on.



# Mobile water banking

Explore our highly-mobile rectangular tanks.

## Advantages

### Rectangular Water Tanks

Advantages of Rectangular Water Tank Storage Systems:
Can easily be transported due to their modular design
Can be installed using basic equipment
Can store hygienic water
Are unaffected by ultraviolet rays
Are unaffected by light penetration
Are easily transportable to remote locations
Can be installed in restricted areas

Our rectangular water tank designs allow us greater versatility to customise and design cost-effective water tank sizes according to our clients' unique requirements and site specifications.

#### Rectangular Water Tank Size Ranges:

From 1800 litres to 10 million litres, our galvanized panels are cold pressed using yield stress drawing quality steel. Each panel is individually pressed and punched to ensure dimensional accuracy.

#### Panel Size:

1220 mm x 1220 mm

#### Rectangular Water Tank Thickness: (3 mm standard)

3 mm	4.5 mm	6 mm
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ABECO tanks will recommend the correct panel thickness to ensure maximum water pressure is maintained, optimising cost benefits for our clients.

#### Individual Roof Sheets (span): Depending on the Width of the Tank:

1 tank panel	2 tank panels	3 tank panels
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Edges of the roof sheets are bent to provide an overlap designed for optimum sealing.

#### Standard Rectangular Water Tank Storage:

Internal bracing consisting of angle iron welded to base plates

Base plates bolted to tank panels

Jig assembled to ensure dimensional accuracy

Roofs are fixed to cold rolled lipped channel purlins supported by tubular posts

All nuts and bolts are of high tensile grade

All sealants and rubber components are non-toxic and non-tainting

All steel components are hot dip galvanised

#### Specifications:

No welding required

Rectangular tank roof / tank cover

Internal members

Rectangular tank fasteners

Rectangular tank sealants

Tank corrosion protection





# Water banking on a budget

Low cost circular water tanks

Advantages

## Circular Water Tanks

ABECO Tanks has paid particular attention to the design and construction of our circular water tanks to ensure that they are easy to install and suitable for most remote and inaccessible places where resources are limited. All components are also lightweight and easy to handle.

It is important to note that our circular water tanks do not require concrete foundations and can be installed on a flat, level and stable site covered by a bed of sand. If a concrete base is required during the construction of any circular water tanks, a standard mesh reinforcing will suffice. Slender circular water tanks may require fastening down due to the force of wind and other natural forces.

Advantages of Circular Water Tanks and Specifications
Circular water tanks are rugged and easily transported
Circular water tanks require minimal site preparation
Circular water tanks are durable and have a long lifetime
Circular water tanks can be dismantled and re-erected at a new site very quickly
All circular water tank sealants are non-tainting
Low-cost, hygienic water storage units



# High growth water banking

Elevated tower water tanks

Advantages

## Elevated Water Tanks

ABECO offers a design, manufacture and installation service for support tower steelwork. For elevated water tanks, basic elevated water tank towers, consisting of the support steelwork with a caged access ladder to the roof of the elevated water tank, will be offered in the absence of further specification. Orders should request walkways around the base of the elevated water tank or rest platforms on access ladders if required.

**Support Towers:**

Hot dip galvanising is recommended for optimum cost-effectiveness. Elevated water tanks are commonly founded on reinforced concrete basis with stub columns cast into excavations, which are back-filled after construction. The determining loads in elevated water tank foundation design and construction are dependent on the height of the tower.

ABECO supplies full foundation load information for all elevated water tanks purchased to its design.

Standard Accessories with Elevated Water Tanks
Caged external access ladder
Internal access ladder
Hinged lockable manhole
Float and pointer type water level indicator
Screened ventilator
Other accessories can be supplied on request





# Personal water banking

## Custom Water Tanks

Many requirements for special tanks can be accommodated, whether the client has a space restriction or obstructions.

ABECO tanks can supply half panels, U-shaped, L-shaped and other odd shapes. Partitions to divide our tanks into two compartments can be provided and are commonly supplied for fire tanks.

## Compare the Tank

### Why should you 'bank' with ABECO?

1. ABECO has over a 35-year heritage and has become the leading producer of industrial - sized tanks in Southern Africa.

2. ABECO Water Tanks panels undergo stress tests with a section of the factory designated for the consistent evaluation of applicable material and thickness according to the SANS 10329:2012

3. ABECO maintains best working practices and follows international standards.  
**It currently holds the following certifications:**  
• ISO 9001:2015 certified

**In respect of the different sectors we supply, we are:**  
• A.S.I.B. approved  
• A Member of the Water Institute of South Africa  
• A Member of the Southern African Institute of Steel Construction  
• A Member of the International Steel Fabricators of South Africa

4. ABECO offers cost-effective storage options while still ensuring safety, hygiene, quality and durability.

5. ABECO Water Tanks are currently in use across multiple industries:

• Mining	• Rural areas
• Power generation	• Shopping centres
• Processing	• Hospitals
• Manufacturing	• Schools
• Public buildings	• Farms
• Apartment blocks	• Municipalities

6. ABECO has a global footprint including the African continent, Middle East, Central America, Mauritius and the Seychelles.

7. ABECO tanks can easily store dry bulk such as gravel and industrial materials.

8. ABECO Water Tanks can be applied to waste water and grey water solutions.

9. ABECO can assist your company with complying to the latest fire safety legislation.

10. ABECO can offer a personalised storage solution to fit most requirements.

### Compare the rectangular tank:

ABECO	Others
More tanks installed than anyone else	Fewer tanks installed
We have installed in more countries	Smaller global footprint than anyone else
SATAS approved	No SATAS approval
Best quote time in the industry system. Acclaimed customer service. Best aftercare service.	Slower quoting times
Panels measure 1.22 x 1.22 creating additional volume	Panels measure 1.2 x 1.2
5 million litre tank installed	Have never installed a 5 million litre tank

### Compare the circular tank:

ABECO	Others
Available up to 30 million litres	Limited in size
Sectional bolted tanks	No sectional bolts
More robust materials as tested in our factory	No continuous testing of materials factory
No liner provided	Provide a liner



# Water is the world's next currency

While our competitors only store water, we offer more than just storage - we provide a business continuity plan by banking water.

In a world where water will determine who thrives and who doesn't, who you 'bank' with will make all the difference.



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