

ABECO TANKS



20 **CREATING TANKS OF
THE FIRST WATER**

22 **A POWER CONFERENCE
FOR AFRICAN UTILITIES**

23 **CONSTRUCTION INDUSTRY TO
SOLVE INFRASTRUCTURE PROBLEMS**

24 **THE QUEST FOR SMART CITIES**

Creating tanks of the first water

Abeco Tanks designs, manufactures, and installs quality ground level, elevated, customised, and circular bolted tanks. Abeco has moved beyond being a leader in water storage to include a wide range of product storage solutions.



Tank Connection circular tanks, Midrand

WITH OVER 30 years' experience, Abeco Tanks is able to offer outstanding expertise and technical knowledge to professionals in the water industry, and a unique perspective on potable water, wastewater, fire protection, and industrial liquid applications.

Abeco has the exclusive right to represent Tank Connection in South Africa. According to Duane Ramos, technical director, the product includes RTP (rolled tapered panel) tanks. "Tank Connection is an industry leader of custom-designed, bulk-storage tanks and integrated storage systems. These tanks require no liner waterproofing; they use a paintless system that eliminates liner with a capacity of 30 million litres. They are not only suitable for water storage, but serve a broader requirement including dry-bulk, fracking, and wastewater treatment. This allows us to diversify away from purely water storage," explains Ramos.

The beauty of these modular tanks is that, because they can be transported and assembled on-site, there is no abnormal load and they are not restricted by space on-site, making them easier to move around. This means they are more easily transported to remote locations – precisely the kind of locations where these tanks are most needed.

Ramos says, "The lead times for our

"Abeco Tanks are safe, durable, and hygienic because they are manufactured from scratch with unique connections that are custom made" Duane Ramos, technical

director, Abeco Tanks

rectangular tanks are between 4 to 6 weeks, elevated tanks take 8 to 10 weeks, and circular tanks around 5 to 7 weeks. This is because all of our steel is locally sourced. The added benefit of local suppliers is that we are better able to control and guarantee quality and ensure that our tanks strictly adhere to SANS standards."

Abeco Tanks are safe, durable, and hygienic because they are manufactured from scratch, with unique connections that are custom-made. The tanks are manufactured from mild steel and galvanised for added protection against rust and corrosion, which ensures a durable tank with increased longevity of up to 20 to 30 years. According to Ramos, they do not develop algae, are safe, and easy to assemble. They have no height restrictions, are rugged, and long-lasting.

Investing in R&D

In order to maintain market share, Abeco has invested more in research and development and adapted its product range to allow the company to make a considerable impact on

the wastewater, dry-bulk storage, and digester markets by adding the powder-coated Tank Connection circular tank to its range, which can store up to 30 million litres and the base requires no lining for water storage application.

Explains Ramos, "We installed our new product – Tank Connection – for one of our clients. Three tanks were installed in Midrand and five in Boksburg. This was the first time we installed these tanks in South Africa. The client was well satisfied with the product and it was milestone project for us."

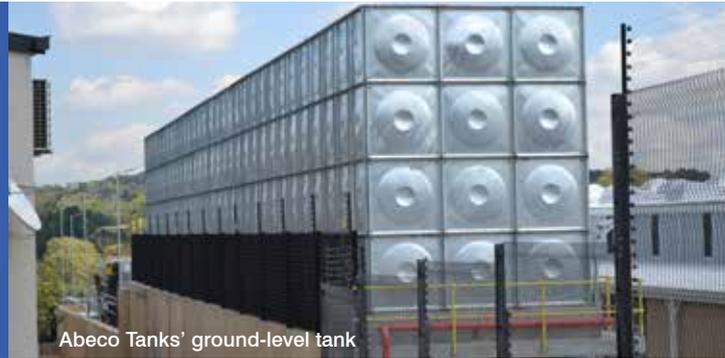
Abeco's plans for the future are to "diversify and explore different areas. Our R&D Department allows for more testing, ultimately improving our service offering. We cover most areas related to water. Going forward, we want to be known for tanks that are able to hold any product that can be kept under storage," concludes Ramos.

Typical customer and market

- Local governments, municipalities, and townships

ADVANTAGES:

- All components are lightweight, easy to transport, and easy to manoeuvre
- Standard tools are used for installation
- All parts and sealants needed are supplied
- Access ladders, access manhole, and water level indicators are supplied.



Abeco Tanks' ground-level tank



Abeco Tanks' ground and elevated tank



Tank Connection tanks in Boksburg

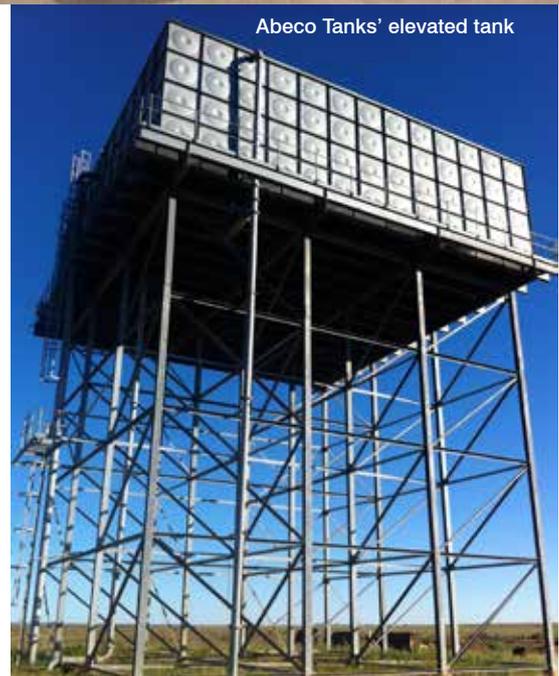
- industrial and commercial property development companies
- engineering companies and mining projects
- fire control companies
- all of the above for neighbouring countries' demands, as well.

Highlights and milestones

- Reaching over 20 000 installations
- the installation of the first 5 million litre rectangular tank, in 2008 – which is still the biggest bolted steel tank in Southern Africa, to date
- the installation of the first 3 million litre circular bolted tank, in 2009
- the installation of a 5 x 500 m³ tank on a 25 m stand – located on the north-eastern coast of Central America – the structure had to be designed to withstand hurricanes, which had historically played a devastating role in the area
- Abeco has supplied storage tanks to over 30 countries
- Abeco is the first steel manufacturer to have received ISO9001 accreditation – in 2010
- SABS certified. **3S**

KEY PROJECTS:

- O.R. Tambo International Airport
- Lobatse Mental Hospital
- Rooival power station
- Middelburg mine water supply
- Jubilee Mall
- Sands Casino Resort – Bethlehem
- Twelve Apostles Hotel – Cape Town
- Benga water supply
- Gauteng provincial government
- Red Cross Hospital – Pretoria
- University of Pretoria
- Cape Town High Court
- Wanderers cricket stadium
- Grootegeluk coal mine
- Klein-Kariba Holiday Resort
- Holcim – Roodepoort
- prisons/police stations
- Water Affairs and Forestry
- Green Point Stadium
- Botswana Water Affairs
- Potgietersrus Platinum
- Zambia Water Affairs
- Waterkloof Air Force Base.



Abeco Tanks' elevated tank



Tank Connections, circular tanks



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