

A NEW HORIZON FOR PwC



Waterfall City is changing the skyline of Johannesburg.

PwC Core.

Attacq Waterfall Investment Company holds the development rights to the prestigious Waterfall. It is wholly owned by JSE-listed real estate capital growth fund Attacq. Atterbury Property is responsible for the development of the new city – one of the biggest urban concept undertakings in Africa.

Overlooking Mall of Africa and the Waterfall City Park green belt, the new PwC head office is currently under construction.

This unique 26-storey tower will be the first high-rise building in the area and is scheduled for completion early in 2018.

The PwC landmark will comprise 45 000sqm of modern offices, intended to accommodate employees in an efficient, and optimally-designed workplace. It is also being built to conform to the internationally-recognised LEED (Leadership in Energy and Environmental Design) silver standard.

The PwC site overlooking Mall of Africa.



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The fact that the PwC tower is situated on a high point in Waterfall City along with the height of the building (26 storeys), will make it the tallest structure on the corridor between the Sandton and Pretoria/Tshwane CBDs. According to Atterbury Property Developments' Director, Jeanne Jordaan, the PwC tower will be clearly visible from almost anywhere within a 30km radius.

Designed by LYT Architecture, the PwC tower is being constructed in phases due to the unique twist design of the structure. It gradually twists upwards, framing the landscaped urban park, which forms the green heart of Waterfall City.

Anyone driving past Waterfall will have noticed how quickly the PwC building has seemingly risen out of the earth. This is due to the unique building system employed by WBHO, highly-skilled specialists who have successfully used similar building systems at the Kusile Power station and for buildings in Australia.

Before the concrete spine (core) could be built, a hydraulic slider with equipment weighing 120 tons took two full months to build. Setting out and controlling tolerances were done by computer and lasers during this phase.

The core of the PwC tower has a similar function as the backbone in one's body.

It keeps the building upright and the "spine" services it from the bottom to the top. The concrete spine runs from level -5 to level +26 and the roof. It will include 10 lifts, toilets and service ducts to the building.

The PwC tower core has been placed on a 1 400m³ concrete base, which is 2.5m thick and has 241 tons of reinforcing. The core itself consists of 8 000m³ of concrete and 750 000 tons of steel reinforcing. The concrete spine is circular on plan and 20m in diameter with a height of 113m.

The PwC core sliding formwork was started on 5 August 2015 and completed at the end of October 2015. During the core building period, the various teams worked day and night, seven days a week, 24 hours a day.

Over this period, the PwC core lifted at an incredible pace of 125mm per hour, whilst being serviced by two tower cranes. There were 62 skilled labourers placing concrete and fixing reinforcing on deck constantly during this time.

With the core completed, the next phase of construction has begun. The

PwC head office is on track to becoming an iconic building form, unique to Waterfall City – marking it as a new top tier destination for business. Bring on 2018! 

www.waterfallcity.co.za



The inside of the PwC Core (Lift Shaft).