



The Fifth African International Conference on Industrial Engineering and Operations Management

Pretoria, South Africa, April 23-25, 2024

Conference theme: Shaping the future of Industry 5.0 in Operational Systems

Accommodation during the conference

Accommodation can be arranged at the following venue:

The Maslow Time Square, Menlyn Maine

Tel: +27 (0)12 003 4041

Email: crobook@suninternational.com

Costs: R 1959 single occupancy and R 2274 double occupancy

*Quote: IEOM Pretoria 2024

We are working on arranging transportation to and from this venue during the conference. Delegates at other venues will need to arrange their own transport.

Transportation during IEOM Pretoria 2024

The following organisations may be contacted to arrange for airport transfers and individual tours before, during or after the conference:

1. Ulysses Tours & Safaris:
 - Telephone: +27(0)126530018
 - Mobile: +27(0)825665506
2. Ndila Transfers
 - Tel: +27 (0)12 341 7472
 - www.ndilatransfers.com
3. Lu Luonde Tours
 - Tel: +27 (0)82 850 6654
 - www.laluonde.co.za
4. TED Shuttle
 - Tel: 012 747 2459
 - www.tedshuttle.co.za

*** Airport transfers and tours will be for the individual's account**

*** Transfers from the specified accommodation to the conference venue will be arranged by IEOM organisers.**

***Transport for any other accommodation must be arranged for the individual's own account.**

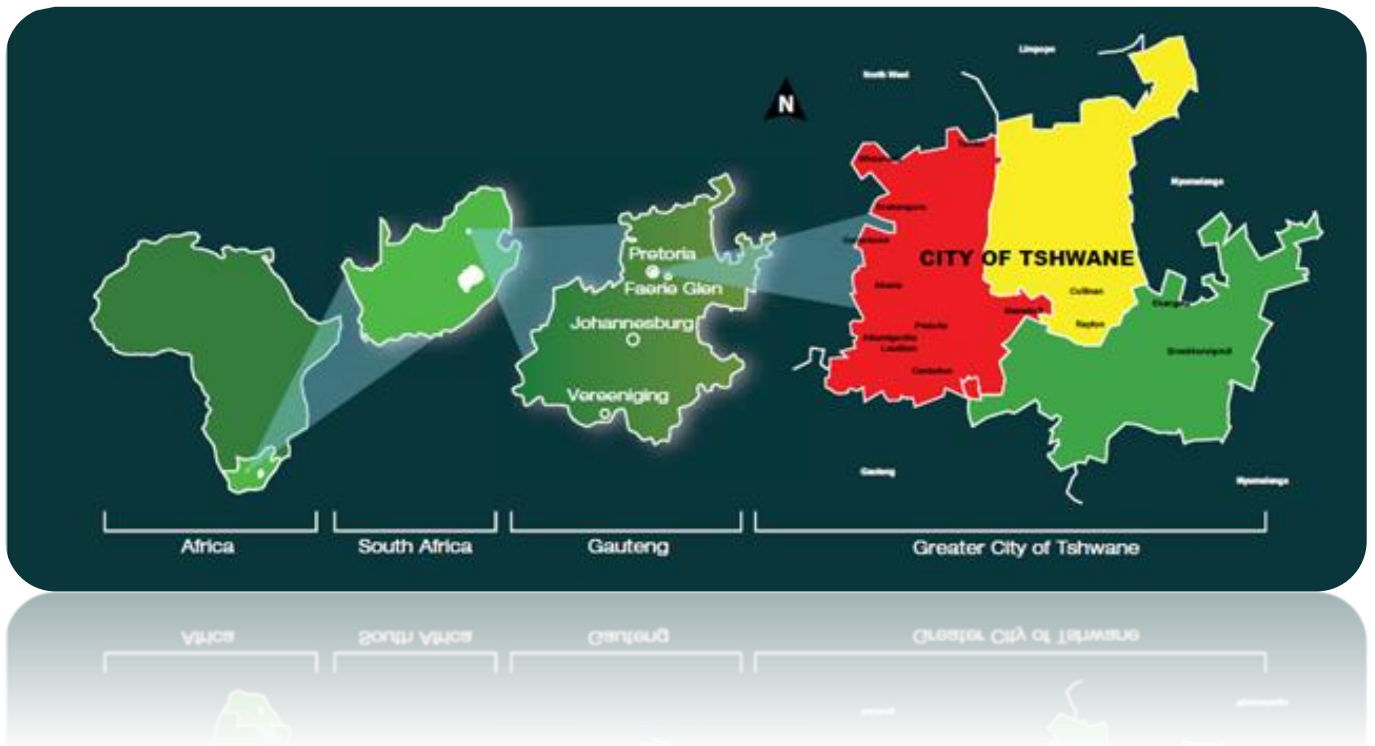


CITY TOUR ITINERARY



MEET TSHWANE

The City of Tshwane is the 3rd largest city after New York and Tokyo, seat of national government, home to 134 embassies 2nd after Washington DC, home to 8 national research institutions and educational hub with 4 universities. Tshwane blends the depth of local culture and character with world class technology and infrastructure – all on the backdrop of natural splendor and architectural diversity. Tshwane has over 100 conferences centers catering from small to large meetings. Accommodation ranges from upmarket B&B, luxury lodges to top class hotels. The 3.1 million residents who make this city what it is. There is so much to experience in Tshwane.



9h00: Hotel Pick up

Protea Hotel Fire & Ice Pretoria Menlyn



Stay, shop, eat & play in style at Pretoria's hottest hotel

Feel the buzz from the moment you step into our slick social spaces. Conveniently located just off the N1 on the Garsfontein off-ramp within easy reach of Pretoria CBD, this one-of-a-kind hotel offers a world of fantastic experiences inside and out. Take a short stroll to Menlyn Park, Africa's largest shopping mall or head to the new Menlyn Maine Central Square, where you can take your pick of amazing eateries, coffee shops and salons. Five conference venues and three meeting rooms take your events, functions, workshops and launches to whole new level of sophistication.

Pass through **Menlyn Maine Central Square**



Menlyn Maine in Pretoria East is one of 16 'green cities' being built in various parts of the world, and the only one in Africa. A 'green city' is all about environmental impact consciousness, especially when it comes to using resources such as water and energy sparingly. The R 1.8 billion Menlyn Maine Central Square opened its doors to the public on 21 September 2016. The 65 000m² development situated near the Menlyn Park Shopping Centre can be described as a boutique-style mall, which has 50 hand-picked retailers, restaurants and entertainment experiences.

To complement the diversity of things to do in and around Menlyn Maine, Time Square has partnered with top chefs and sommeliers to offer experiential dining at its best. For the first time in South Africa, you'll have the opportunity to taste Food Network TV star Guy Fieri's highly acclaimed cuisine when his restaurant opens at Time Square. You'll also find Something's Cooking by J Something, a new concept kitchen headlined by Mi Casa vocalist Joao da Fonseca (popularly known as 'J Something').

**** Proceed to the city center using Ben Schoeman Fwy/N1****

1. Arcadia Suburb

Arcadia is a tranquil neighborhood, home to the Pretoria Art Museum, displaying works by Dutch masters, as well as local artists like Walter Battiss and Gerard Sekoto. Embassies and high commission buildings edge leafy streets, alongside midrange and high-end hotels. Cafes and South African eateries are scattered throughout the area while Loftus Versfeld Stadium hosts international rugby and soccer matches.

Did you know: *With over one hundred and twenty foreign representative bodies, Tshwane is the leading African diplomatic capital. Tshwane is the centre of government in South Africa. It is part of the Gauteng Urban region, the wealthiest and fastest-growing economic region on the African continent*

2. The Union Building

The Union Building was declared a national heritage site on 16 December 2013. This coincided with the unveiling of the giant bronze statue of Nelson Mandela as well as the its centenary celebrations. Apart from housing the presidency and being one of South Africa's most iconic buildings, many significant historic events have taken place at the Union Buildings, which include the 20 000 women march in 1956, and Nelson Mandela's inauguration as the first democratically elected president of South Africa.



As the administrative capital, Tshwane is the proud host of the country's national government and houses the ministry and head office of all the national government departments. The city is thus the heart of policy development, which has changed and will continue to change the face of South Africa.

**** Proceed to Church Square along the longest straight street****

Pretoria's Church Street, now renamed to 4 different streets, is the longest urban street in South Africa and, at 26 km, is one of the longest straight streets in the world.

3. Driving along Church Street



- The South African Reserve Bank
Regarded as the highest building in Pretoria / Tshwane, with a basement that extends some 25 metres below ground (for very good reason; where better to place a vault or two), SARB (The South African Reserve Bank) is the country's central bank; its purpose to protect the value of the currency, and to achieve and maintain financial stability.
- The South African State Theater
"Premier Performing Arts Venue", Situated in the heart of the Pretoria CBD, the theatre offers a variety of exciting venues for performances, conferences, festivals, product launches, fashion shows and more. The theatre complex also offers rehearsal studios and offices for rental, film festivals, weddings, parties, matric dances and farewells, lunches and dinners. World-class shows ranging from Opera, Ballet, Musical, Drama, Cabaret and Children's Theatre are regularly held here. The complex consists out of six world class theatres with seating capacities ranging from 120 to 1300 seats.

➤ **Sammy Marks Square**

Sammy Marks Square, a neo-Dutch-style centre, is a landmark in the heart of the Pretoria CBD. The centre was strategically built around the high foot traffic in the area and neighbours the State Theatre.

4. Church Square, Pretoria

Church Square, built in 1855 and initially called Market Square, is the historic centre of the city of Pretoria. Church Square's layout was designed by Vivian S. Rees-Poole in 1912 and was meant to imitate London's Trafalgar Square and Paris' Place de la Concorde. During its early years, the square was used as a marketplace and sports field. The square's most prominent feature is the statue of the 5th President of the South African Republic, Paul Kruger, in his characteristic formal dress. Statues of four anonymous soldiers surround that of Kruger's.



➤ **Palace of Justice**

While reading about history is a great way to learn about our past, walking the path of history brings the information to life. When you enter the Palace of Justice you hear the ghosts and echoes of a turbulent past, which allows you to understand where we have come from and where we are headed.

Facing the northern façade of Church Square in Pretoria, the Palace of Justice tells a remarkable story of an unswerving anti-apartheid movement, the birth of the Freedom Charter as well as one of the world's most iconic speeches to date.

- More than 50 years ago, Nelson Mandela gave one of the most impassioned speeches of the 20th century while standing in the dock and staring death in the face during the Rivonia Treason Trial. Fourteen steps below the famous dock and in the depths of the Palace of Justice is an austere corridor leading to the holding cells where Madiba and his fellow accused were detained.
- Chief among them is a 5m x 7m room with a bare concrete floor, one narrow barred window, a wide ventilation shaft against one wall, and a heavy door with a turn handle and peephole. Coated in graffiti by generations of political prisoners, the musty, peeling walls bear messages of protest as well as the preamble to the Freedom Charter – a set of principles that laid the basis of the democratic dispensation which South Africans enjoy today.

5. Pretoria Central Prison

Pretoria Central Prison is unmistakable as it sits on the outskirts of the city, a lingering reminder of South Africa's darker years. Now known as Kgosi Mampuru II Correctional Centre, the very rich history of Pretoria Central dates back to 1902 and after more than 100 years, its doors are still open to local visitors and travellers wanting to learn more about our history.



For many years Pretoria Central was not only the first place that political prisoners were brought to, but often the last as well. During the apartheid era a staggering 135 purely political prisoners were hung there for perceived crimes.

The gallows is now a museum in honour of the lives that were taken there. The prisoners' names are on the walls, and the ropes have been rehung over the painted wooden trap door. Tours

take you up the 52 steps which the prisoners had to climb in order to reach the hanging platform, each one numbered so that you can get a feel for exactly what their last moments were like.

6. Freedom Park



To the south-west of the city center is Freedom Park, a 52 ha site on Salvokop, which offers a panoramic view of Tshwane and the city's famous landmarks, this heritage site provides a broad new perspective of South Africa's history and is a symbol of acknowledgement of the heroes and heroines of the struggle for humanity and freedom. Freedom Park is a monument to democracy in South Africa and a symbol of hope for the future.



**** Tour Ends****

The itinerary above excludes the following:

1. Gratuities
2. Alcoholic beverages/ Mini bars
3. Travel insurance
4. Laundry
5. Telephone bills
6. Internet access
7. Excess luggage
8. Any other extras not reflected on the itinerary
9. Beverages away from meals





CITY TOUR ITINERARY

Known as the Jacaranda City for all the purple blossom-bedecked trees, which line its thoroughfares, Pretoria is a lovely, quiet city. It has a long, involved and fascinating history. Here you will find significant old buildings and fascinating museums.



1. Church Square

Church Square is the historic Centre of the city of Tshwane, Africa. Its most prominent feature is the statue of the late Boer leader and president of the South African Republic Paul Kruger at its Centre. Statues of four anonymous Boer citizen-soldiers surround that of Kruger's on a lower level of the plinth.

Several historically and architecturally significant buildings surround the square: the Palace of Justice, the Old Capitol Theatre, the Tudor Chambers, the Ou Raadsaal (Old Council Chamber) and the General Post Office, which was designed by William Hawke.

The turreted Palace of Justice was the scene of arguably the most famous political trial in South Africa's history, the Rivonia Trial. During this trial, Nelson Mandela and a number of other ANC freedom fighters were charged with treason, found guilty and subsequently incarcerated.



2. Union Building

The Union Buildings were declared a national heritage site on 16 December 2013. This coincided with the unveiling of the giant bronze statue of Nelson Mandela as well as the its centenary celebrations

Apart from housing the presidency and being one of South Africa's most iconic buildings, many significant historic events have taken place at the Union Buildings, which include the 20 000 women march in 1956, and Nelson Mandela's inauguration as the first democratically elected president of South Africa.



*****Lunch at Colosseum Hotel*****

3. Freedom Park

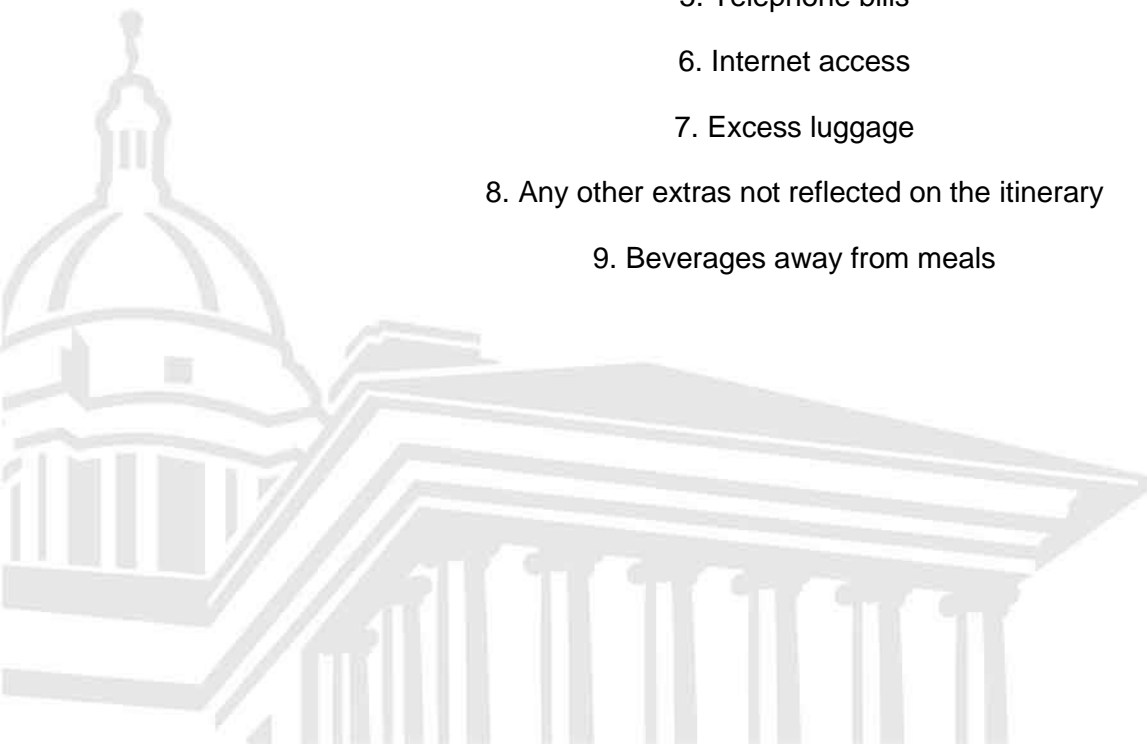
Freedom Park is a 52 ha site located on Salvokop, offering a panoramic view of Tshwane and its other famous landmarks.

Freedom Park is a heritage site which provides a broad new perspective of South Africa's history and is a symbol of acknowledgement of the heroes and heroines of the struggle for humanity and freedom. The core theme embedded in the park is this struggle, which symbolises the universality of connections among South Africans of all backgrounds and ages – the connections that are expressed to their fullest through the elements that constitute the site.



The itinerary above excludes the following:

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Tshwane Attraction Listing

Burgers Park

The oldest park in Pretoria and now a national monument, Burgers Park lies adjacent to Melrose House; George Heys, the first owner of Melrose House, who worked with botanist James Hunter, designed Burgers Park, which was completed in 1892.

General Enquiry Tel: 012 358 0257. Address: Corner of Thabo Sehume and Jeff Masemola Streets, Pretoria Central

Admission Fee: Free

Church Square



The Palace of Justice – the headquarters of the Gauteng Provincial Division of the Supreme Court – forms part of the northern façade of Church Square. Dating from the end of the 19th century, it was designed in typical Italian Renaissance style by Dutch architect Sytze Wierda; The sculptor Anton van Wouw's statue of Paul Kruger occupies centre stage on Church Square. While the bronze figures of Kruger and the sentries were cast in Italy at the turn of the century, they were only erected here in 1954; The Ou Raadsaal (old council building) on the southern side of the square was designed by Dutch architect Sytze Wierda and erected by JJ Kirkness – a Scotsman from the Orkney Isles – in 1887; Parades are held at the square on Wednesdays

Address: Crossing Helen Joseph and Paul Kruger Streets, Pretoria .Telephone: 012 358 1430

Admission Fee: Free

City Hall

The City Hall was built to celebrate Pretoria's city status obtained in 1931; It was designed by FG McIntosh and John Lockwood Hall; the two statues in front of the building depict Voortrekker leaders Marthinus Pretorius and Andries Pretorius, his father, after whom Pretoria was named when it was established in 1855.

Telephone: 012 326 5012

Address: Corner of Visagie and Paul Kruger Streets

Admission Fee: Free

Cullinan's Big Hole

The magnificent Big Hole



In the tiny town of Cullinan, you will find this big hole, which is amongst the biggest in the world. This spectacle is 1 000 metres long, 500 metres wide and about 450 metres deep. It was at this mine, that the 3,108 carat diamond was found in 1905, and is claimed to be the largest uncut diamond ever found and forms an integral part of Britain's Crown Jewels.

Cullinan Tours - Grace Masango

Address: 99 Oak Avenue, Cullinan, South Africa

Email: info@cullinan-tours.co.za

Tel: +27 83 273 8548 and +27 12 734 0260

Dinokeng Game Reserve

Unlock the Dinokeng experience

Tshwane is the only city in the world with a Big Five game reserve within its boundaries. Dinokeng Game Reserve is only 30 minutes from the Pretoria CBD, with grassland of 90 000-hectare. From self-catering to luxury accommodation, you can experience all this beauty on safari, boat cruises, hot air balloons or whilst quad biking or hiking.

GET IN TOUCH

Dinokeng Game Reserve, N1 North Hammankraal, 0400

Tel: +27(12) 7114391

Email: reception@dinokengreserve.co.za

Office Hours: Monday – Sunday 08:00 – 16:30



Fort Klapperkop

One of the forts built by the Zuid-Afrikaansche Republiek under President Paul Kruger, Fort Klapperkop was declared a national monument in 1938; It offers beautiful views of the city.

Telephone: 012 346 7703

Address: Johann Rissik Drive, Nieuw Muckleneuk, Pretoria

Admission Fee: R20 Adults

: R10 Students & Pensioners

: R5 School Children

Ga-Mothle

A building where Tshwane's laws of segregation and apartheid were applied.

Telephone: 012 000 0010

Address: WF Nkomo Street, between Kgosi Mampuru and Sophie De Bruyn Streets

Groenkloof Nature Reserve

Transport yourself to the valley of a thousand trees

Groenkloof Nature Reserve was established in 1895, it is only 5 minutes outside of the Pretoria CBD. Well known for its hiking, mountain bike and 4×4 trails. Not only will you enjoy panoramic views of the Fountains Valley, you will also see game, small predators, birds as well as indigenous fauna and flora.

Address: Christina De Wit Ave, Groenkloof 358-Jr, Pretoria, 0027

Phone: 012 358 1757

Coordinates: 25°47'36"S 28°12'14"E / 25.7934°S 28.2039°E



Freedom Park

Freedom Park commemorates the country's political history and celebrates its cultural and natural heritage; The 35 ha site comprises a museum and Garden of Remembrance, with statues and sculptures to honour ordinary South Africans who contributed to the country's development;

The site is a tribute to the Truth and Reconciliation process.

Telephone: 012 336 4000

Address: Salvokop (entrance of Kgosi Mampuru Street)

Admission Fee: R45 per Adult and R25 for children and pensioners



National Botanical Gardens

This is the sister garden to the world-famous Kirstenbosch Botanical Gardens in Cape Town; It showcases many Southern African plants in all their seasonal guises; Guided walks are available by arrangement.

Telephone: 012 843 5172/3. Address: 2 Cussonia Avenue, Brummeria

Admission Fee: Adults: R25, Students: R15, Children: R10, Under 6 years: Free, SA Senior Citizens (with ID) and Free Tuesdays

National Zoological Gardens

This is the finest zoo in South Africa and one of the best in the world; The Pretoria Zoo is an 80-hectare oasis nestled in the heart of Pretoria's city centre; It houses 97 mammal species, 161 bird species, 279 fish species, 106 reptile species and seven amphibian species; At least 4 300 animals call the Pretoria Zoo home.

Telephone: 012 339 2700. Address: Boom Street, Pretoria Central

Admission Fee: Adults: R75, Children (2-15): R50, Organised school groups: R32 (Monday to Wednesday), Organised school groups: R45 (Thursday and Friday)



Loftus Versfeld Stadium

Loftus Versfeld Stadium – one of the oldest stadiums in South Africa – has been used for major sporting events since 1903. The first concrete structure, which could accommodate only 2 000 spectators, was built in 1923. Since 1977 Loftus Versfeld has undergone many renovations and its four major stands have been completely rebuilt; It has been used for both rugby and football matches and is home to one of the country's top rugby teams, the Blue Bulls; Loftus Versfeld is in the heart of Tshwane/Pretoria and currently has a seating capacity of 42 858;

It has hosted many significant matches including some during the 1995 Rugby World Cup and the 1996 CAF African Cup of Nations, and it was a first and second round venue during the 2010 FIFA World Cup™; It is now used by Mamelodi Sundowns and SuperSport United as their home ground; South Africa's national team, Bafana Bafana, achieved its first ever victory over a European side at this venue when they beat Sweden 1-0 in 1999.

Telephone: 012 420 0700

Address: Corner of Lynnwood Road and Kirkness Street

Union Buildings



In 1909 Herbert Baker was commissioned to design the "Government Building of the Union of South Africa". The foundation was laid in 1910, with the cornerstone being laid on November 26 of the same year; The massive building was completed in November 1913 at a cost of £1180 000; At the time it was built, it was the largest building project in South Africa; The Union Buildings are the administrative headquarters of the government and stand majestically on Meintjieskop, overlooking Pretoria; On the grounds are the Delville Wood War Memorials, a tribute to South African troops who died during the First World War, and statues of South Africa's first prime ministers; The Union Buildings are surrounded on all sides by beautiful gardens.

Telephone: 012 300 5200

Address: Stanza Bopape, Pretoria Central

Melrose House

Melrose House was built in 1886 by wealthy stagecoach owner George Jesse Heyes, who amassed his fortune from a transport business between Kimberley's

railhead and the newly discovered Transvaal goldfields. On 31 May 1902, the Peace Treaty of Vereeniging was signed on the dining-room table, putting an end to the second Anglo-Boer War (1899–1902).

Address: 275 Jeff Masemola (Jacob Maré) Street (opposite Burgers Park)

Tel: 012 322 2805/0420

Visiting hours

Tuesdays to Sundays from 10h00 to 17h00. Closed on Mondays and certain public holidays. (more detail)

Admission:

Adults R 20.00 , Pensioners, Students R 10.00 ,Learners R 5.00 and Pre-school Kids Free

Guided tours (bookings only) R 80 per hour (1 – 20 persons)

Kruger House Museum

Built in 1884 and was the first house in Pretoria to be lit by electricity and has been immaculately recreated to look exactly as it did when **Paul Kruger, president** of the Zuid Afrikaanse (Transvaal) Republiek, lived there more than a century ago. On view is also the presidential coach - a luxury train wagon.

Address and Contact Details : 60 WF Nkomo Street, Pretoria

Tel: 012 000 0010 | Email: krugerm@ditsong.org.za

OPENING HOURS

Weekdays 08:30 – 16:30 | Weekends and Public Holidays 09:00 – 16:30

ADMISSION FEES

Adults R35.00 | Children (under 18): R15.00 | Learners and Students R15.00 | SA Senior Citizens R15.00

Brunch at The Village Hazelwood

The Village situated on 16th street is Pretoria's eclectic food, drink and leisure hub. An open-air dining environment with an ambiance comparable to no other. Boasting a fantastic selection of restaurants, eateries and boutique retailers, there is something for everyone. Whether you're looking for a quick coffee on the go, or a wonderful

meal with your family, you'll immediately feel at home in this bustling neighborhood setting. Create memorable moments at The Village.



Ditsong National Cultural History Museum of South Africa

National Cultural History Museum of South Africa. Containing a vast collection of historical, cultural and even a collection of archaeological items from both the stone age and iron age.

Opening hours:

Weekdays 08:00 – 16:00

Weekends and public holidays 08:00 - 16:00

Closed on Good Friday and Christmas Day

Entrance fees: Adults R 35.00 | Children R 20.00 | Pensioners R 20.00

Contact details and Physical address:

Tel: 012 324 6082 | 149 Visagie Street, Pretoria

Ditsong (Transvaal) Museum

Founded in 1892 by the government of the Zuid Afrikaanse Republiek as the Staatsmuseum (State Museum) and is focused exclusively on South African Natural History. The museum covers the origins of life on earth, from the simplest forms to the most complex. The bird life exhibition is the most comprehensive in South Africa and showcases the varied bird life of the area. An enormous skeleton of a whale is there to greet you as you arrive.

Address & Contact details:

432 Paul Kruger Street Pretoria 0001 | 012 322 7632, 012 000 0040

Visiting Hours: Daily: 08:00 – 16:00 (Except Christmas Day and Good Friday)

ADMISSION FEES:

Adults R30.00 p/p | Learners R15.00 p/p | SA Senior Citizens R10.00 p/p



Voortrekker Monument

Biggest Monument in Africa. Built to honour those who left the Cape Colony under British control in pursuit of their own self-determination. They left between 1835 and 1854 and became known as the Voortrekker's. A massive 40 metre high granite structure built on a hill top and can be seen from most parts of the city.

A laager wall of 64 wagons circles the Voortrekker monument. This is the same number of wagons used at the battle of Blood River

Address: Eeufees Road, Tshwane

Tel: 012 323 6770 or 012 325 7885/0477

The Struggle And Freedom Route



This route commemorates and recaptures South Africa's road to independence. It traces back the footsteps of Nelson Mandela from his inauguration at the Union Buildings, his historic Rivonia trail at the Palace of Justice on Church Square to his sentencing handed down in the Old Synagogue.

[Following Mandela's footsteps across Pretoria | Pretoria News \(showme.co.za\)](http://www.showme.co.za)

Muninggi Gorge

Zip-Line the Muningi Gorge

Tshwane brings you zip lining as you always imagined it should be; really long, breathtakingly high, extremely fast and exciting. Our four zip-lines criss cross the Muningi Gorge, totalling a whopping 1.5 km over sheer "drops" in excess of 80 meters high and you will reach speeds of up to 90km/h.



CULLINAN SITE: 103 Oak Ave | Cullinan | 11000

Tel: +27 (0)12 734 0507

Email: cullinan@adventurezone.co.za

Wonderboom Airport

Sky-diving at Wonderboom Airport

See Tshwane from a new vantage point against the backdrop of the ultimate rush. You will enjoy a 10 minute scenic ride up to the dizzying height of 11,000 ft above ground level, where you will plunge into a 40 second freefall and then enjoy spectacular views in your 10 minute descent safely back to earth.

Telephone: +27 81 499 5739

Email: info@skydivepretoria.com

Address: Wonderboom Airport, Onderstepoort, Pretoria 0100

Tswaing Meteorite Crater

Natural Marvel

The Tswaing Crater formed some 220,000 years ago when a giant meteorite slammed into the Earth, creating a half-mile-wide crater. Stone Age implements and pottery have been discovered at the crater rim, where deposits of salt were collected by these early inhabitants from the lake at the bottom of the hole.



TEL: +27 12 492 5744

E-MAIL: info@ditsong.org.za

Ditsong Tswaing Crater Museum

Soshanguve - T, Soshanguve, 0164

Shopping Experiences

Enjoy a retail experience at some of the largest and modern shopping malls in the southern hemisphere. If you enjoy your shopping with everything under one roof, you will not be disappointed by what our shopping centres have to offer – also full of restaurants and entertainment venues such as cinemas, ice skating, bowling, go-cart racing and mini golf.

<https://showme.co.za/pretoria/lifestyle/shopping-in-pretoria/>



Visit www.discovertshwane.com for more offerings!

