



# STATIONS OF GAUTRAIN PROXIMITY, ARCHITECTURE AND SERVICES

17-18 October 2013

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# Project profile



2



**2000:02** PLANNING  
**2002/05** TENDER  
**2005/06** PRELIM ENG  
**2006/11** BUILD  
**2011/26** OPERATE  
**2026** TRANSFER



- ❑ Client : Province of Gauteng (South Africa)
- ❑ Concession = 5 + 15 years (mix public/private finance)
- ❑ Civil Contractor : Bouygues / Murray-Roberts / SPG
- ❑ E&M Contractor: Bombardier / SPG
- ❑ Operator & Maintainer : RATP / Bombardier / SPG

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# Project Engineering

3



- ❑ Length 77km = 15km tunnel + 10 km viaduct
- ❑ 10 stations = 3 underground, 3 elevated, 4 at grade
- ❑ Speed 160kph = travel time N-S 42min E-W 15min
- ❑ Bouygues TP = Technical leader for Engineering & Design

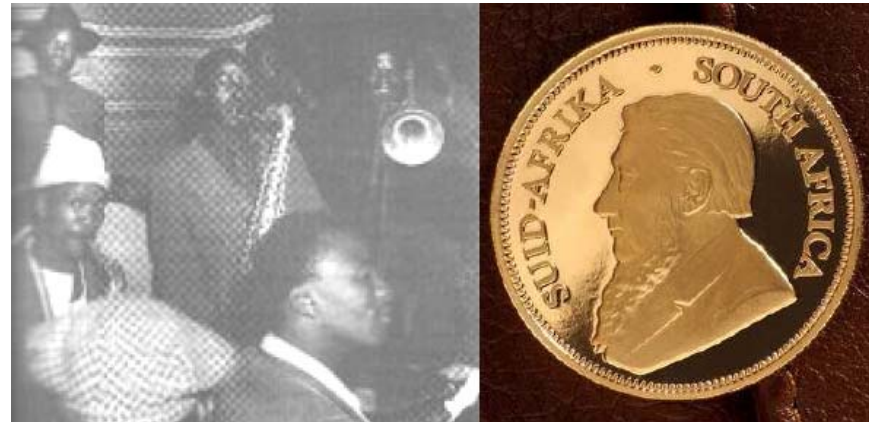
# Station identity & symbolism

4

## □ The tree of life



## □ The gold rush



Architects : Siyakha – Bentel Associate Int. and TPS

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# Branding and signaletics

5



- Modern, simple, natural, friendly, comfortable
- Care to the Customer, appeal to the car users.

# Airport station - OR Tambo

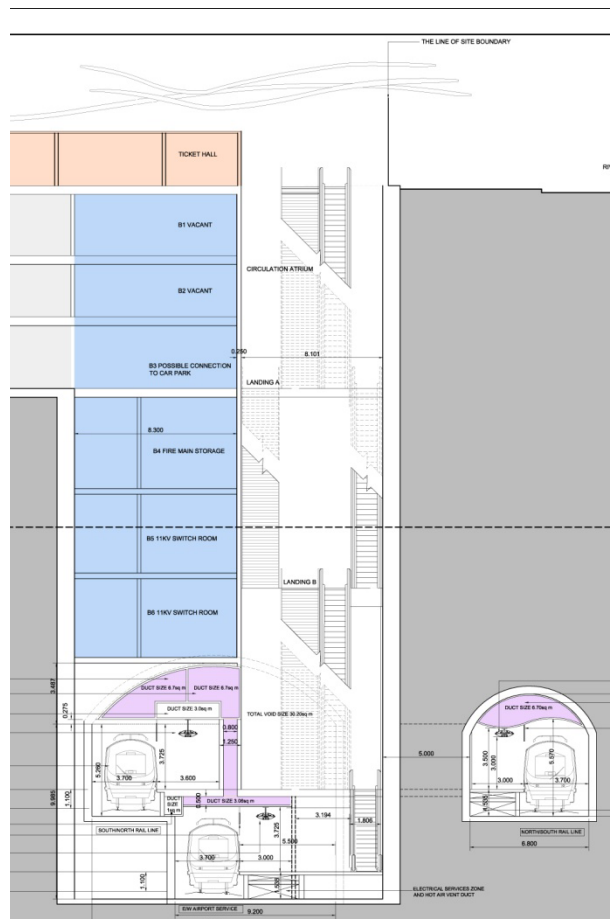
6



- Station in airport
- Terminus & elevated
- Fly over roads, hotels, car parks
- Direct access from airport exit
- Midway between local & international
- Time + care = service to people

# Sandton station – business

7



- Central station & Airport link
- Safe & secure
- Deep station
- Fast escalator & large lifts
- Light display & wide platforms
- Fast connexion to all 3 directions

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# Pretoria station - historic

8



Capital city, historic blue train, university campus



# Mushroom park - builder dream

9



When a construction site becomes a recreational, pleasant and natural area... project is life.

# Traffic and operation

10

Performances are all met for train and feeder:

	Train	Bus
- Availability	99,5%	99%
- Punctuality	95,0%	95%
- Overcrowding	105%	
- Age of bus		98%

45,000 to 50,000 passengers per weekday

15% of passengers go/come from Airport

17,000 bus passengers per day

30% increase during 1<sup>st</sup> year



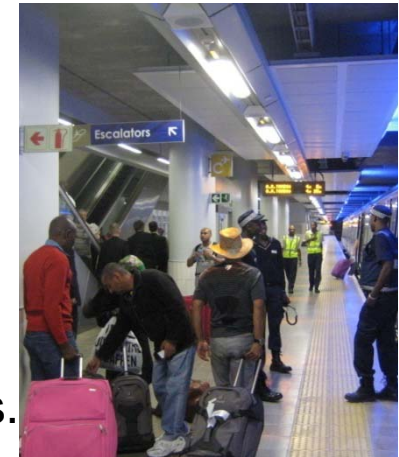
When industrial and operational fitness becomes popular  
success... project is good for the country

# Conclusion

11



- Engineered and built in 5 years, 20 consultants,
- Long design, heavy coordination & approvals,
- Hard work, noise, dust, night, stress, cold, 24/7, 86 construction sites,
- When train ready & public there, all is forgotten.
- When people live with Gautrain, all is happiness.




- Gautrain is the largest single transport project in Africa and 4<sup>th</sup> in the world, highest for performance & services.
- In the last 20 years, Bouygues TP has closed 20 major projects (Sydney, Reims, Gautrain, Montpellier HSL) for a total ~20B\$.
- Bouygues TP is a partner of Railenium.


# The art of getting there fast...

Thank you for your kind attention

The art of getting you there faster ... Catch the Gautrain to Park Station and then a Gautrain bus to stop 3 on J2 Temp route.

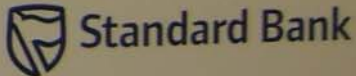


**20<sup>TH</sup> CENTURY MASTERS**  
THE HUMAN FIGURE



France-South Africa Seasons: 2012 & 2013  
Original works by Degas, Renoir, Manet, Matisse, Picasso and many other masters

Standard Bank  
Gallery  
13 July –  
15 September 2012  
[www.standardbankarts.co.za](http://www.standardbankarts.co.za)



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