

# Common Aviation Infrastructure Development and Management

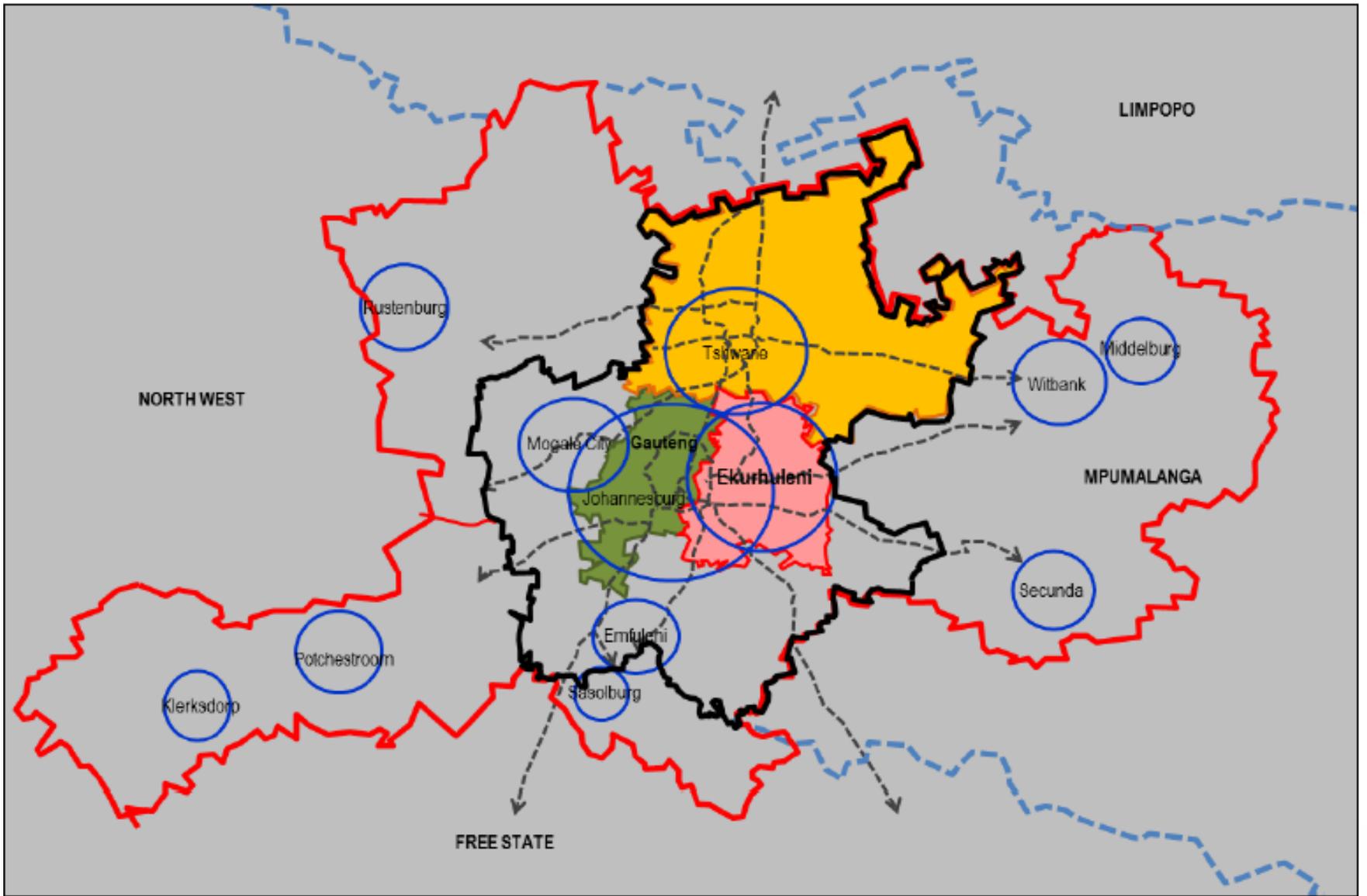
Synergy between airports and urban development for sustainable development

UNON, Nairobi, Kenya, 29–30  
August 2016



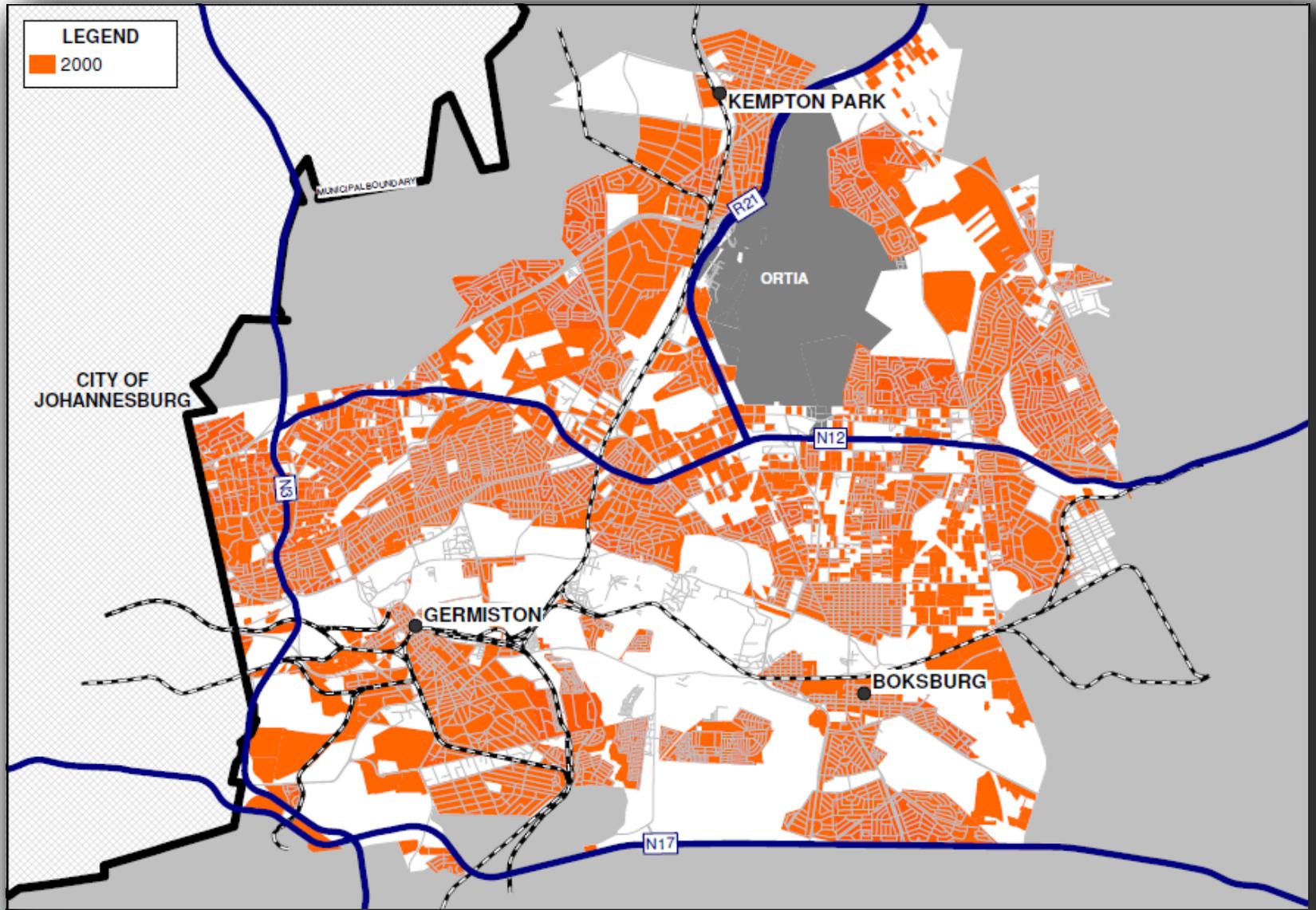
**Aadil Engar**  
**City Planning**  
**Specialist Projects.**  
aadil.engar@ekurhuleni.gov.za  
+ 27825606280

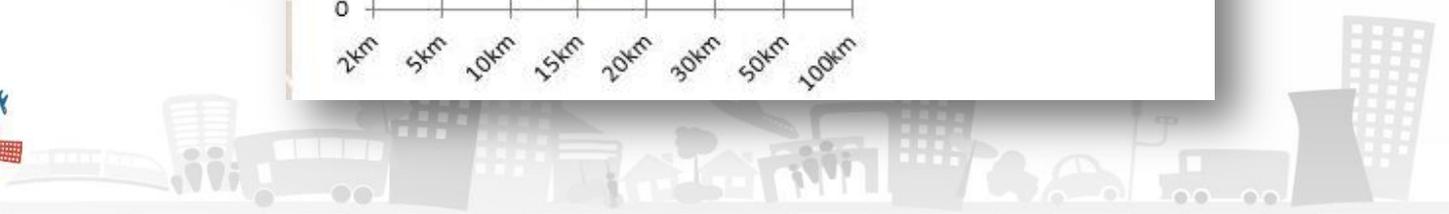
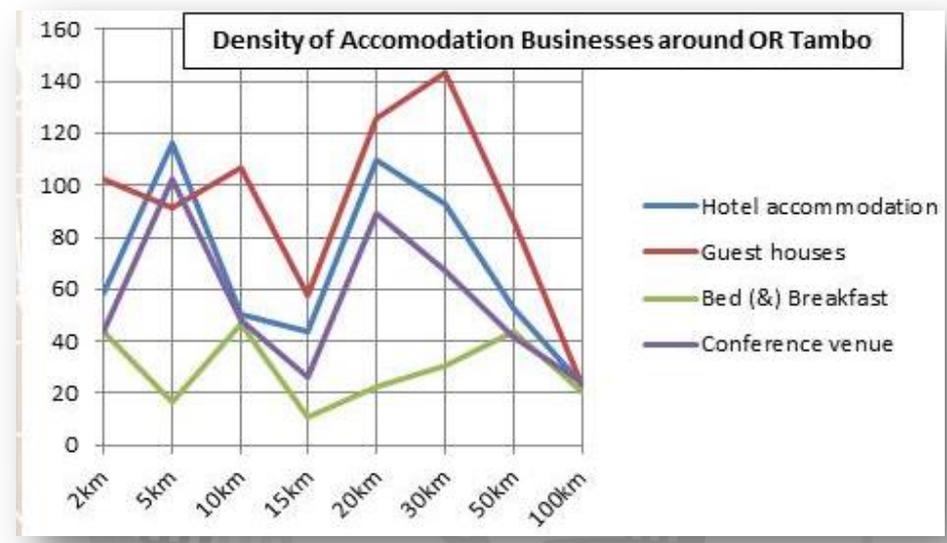
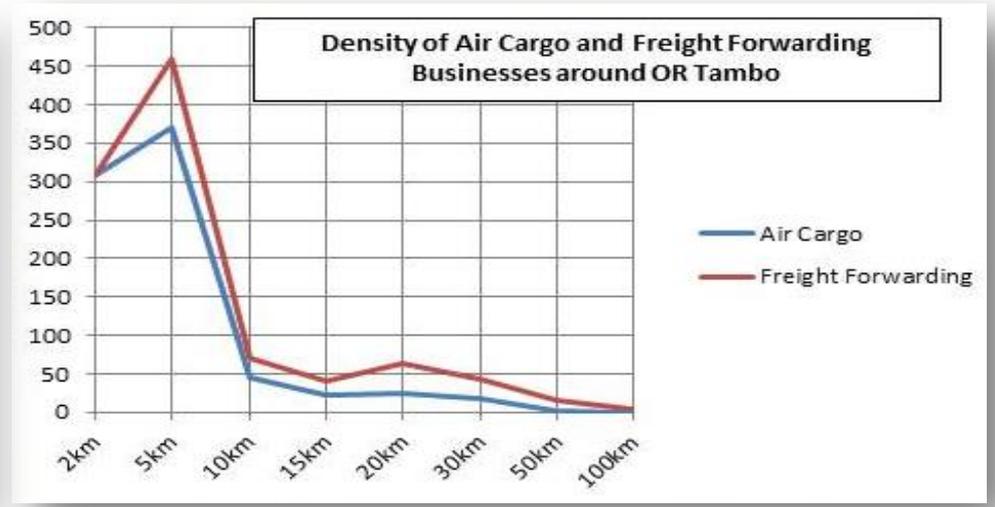
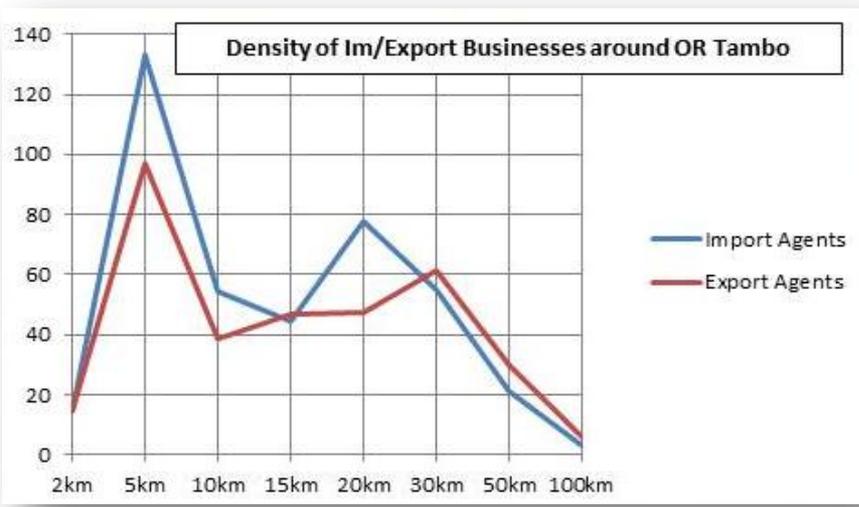




City of Ekurhuleni

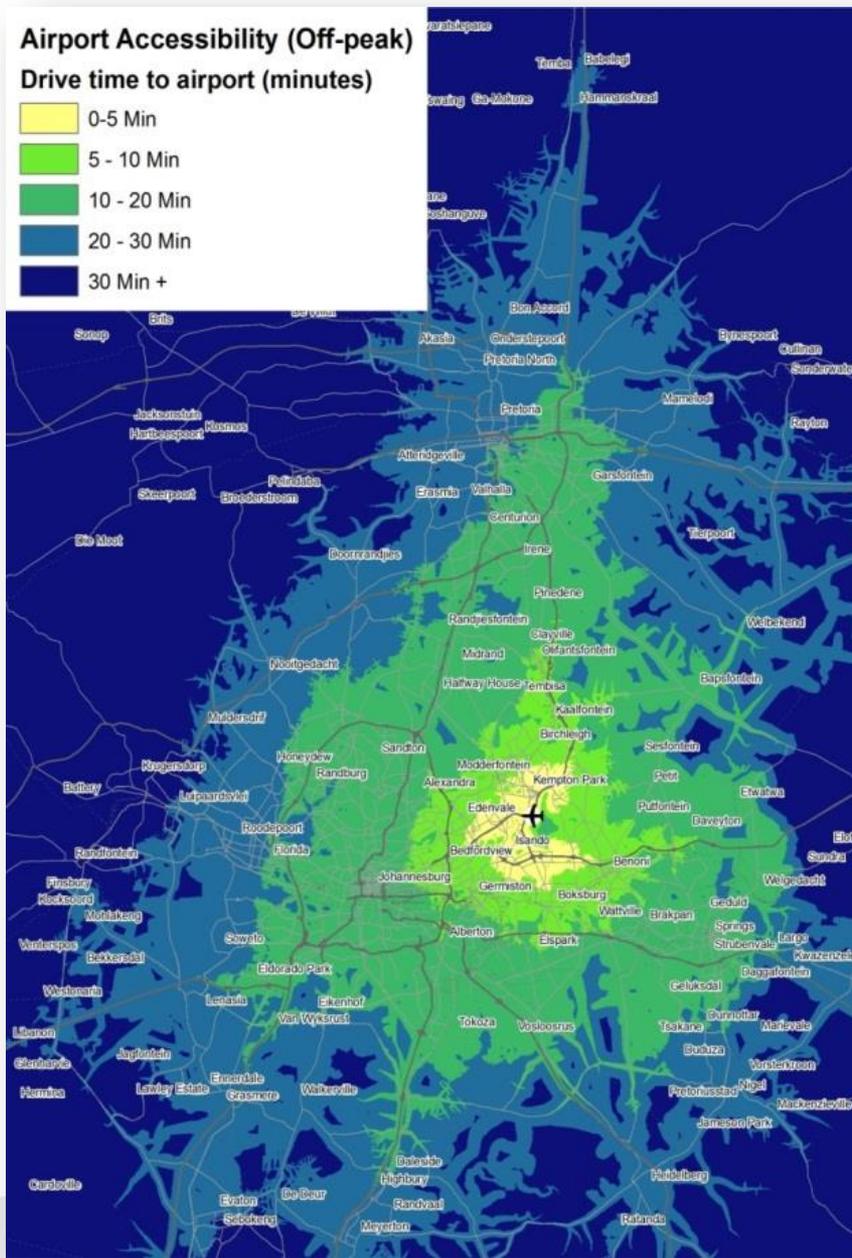




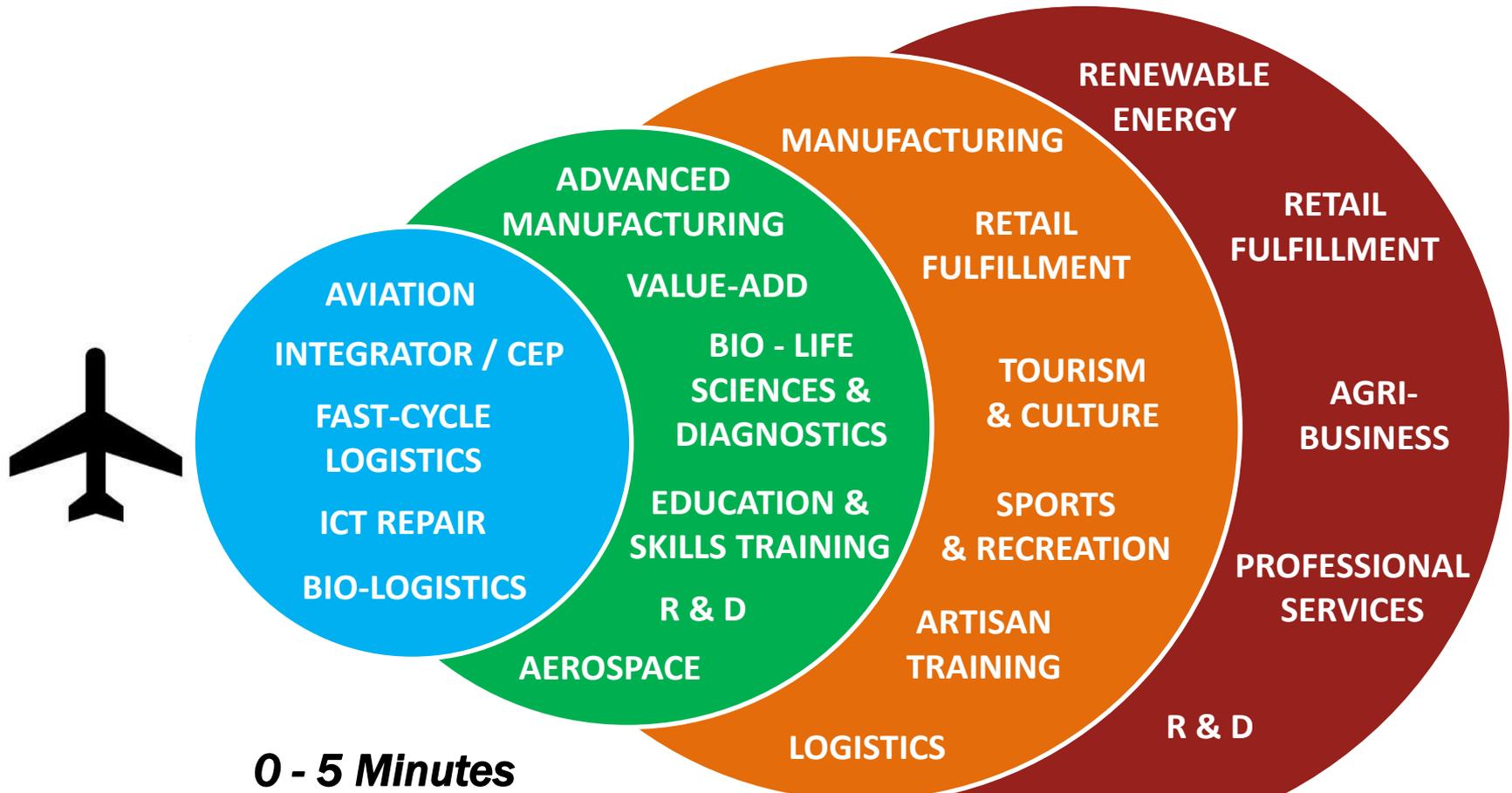


### Airport Accessibility (Off-peak)

Drive time to airport (minutes)



# DRIVE-TIME DISTANCE BY ECONOMIC ACTIVITY



**0 - 5 Minutes**

**5 - 10 Minutes**

**10 - 15 Minutes**

**15+ Minutes**



# Aerotropolis Strategic Roadmap (2012/13)

- Ground transportation planning
- Land use planning
- Environmental impact assessments

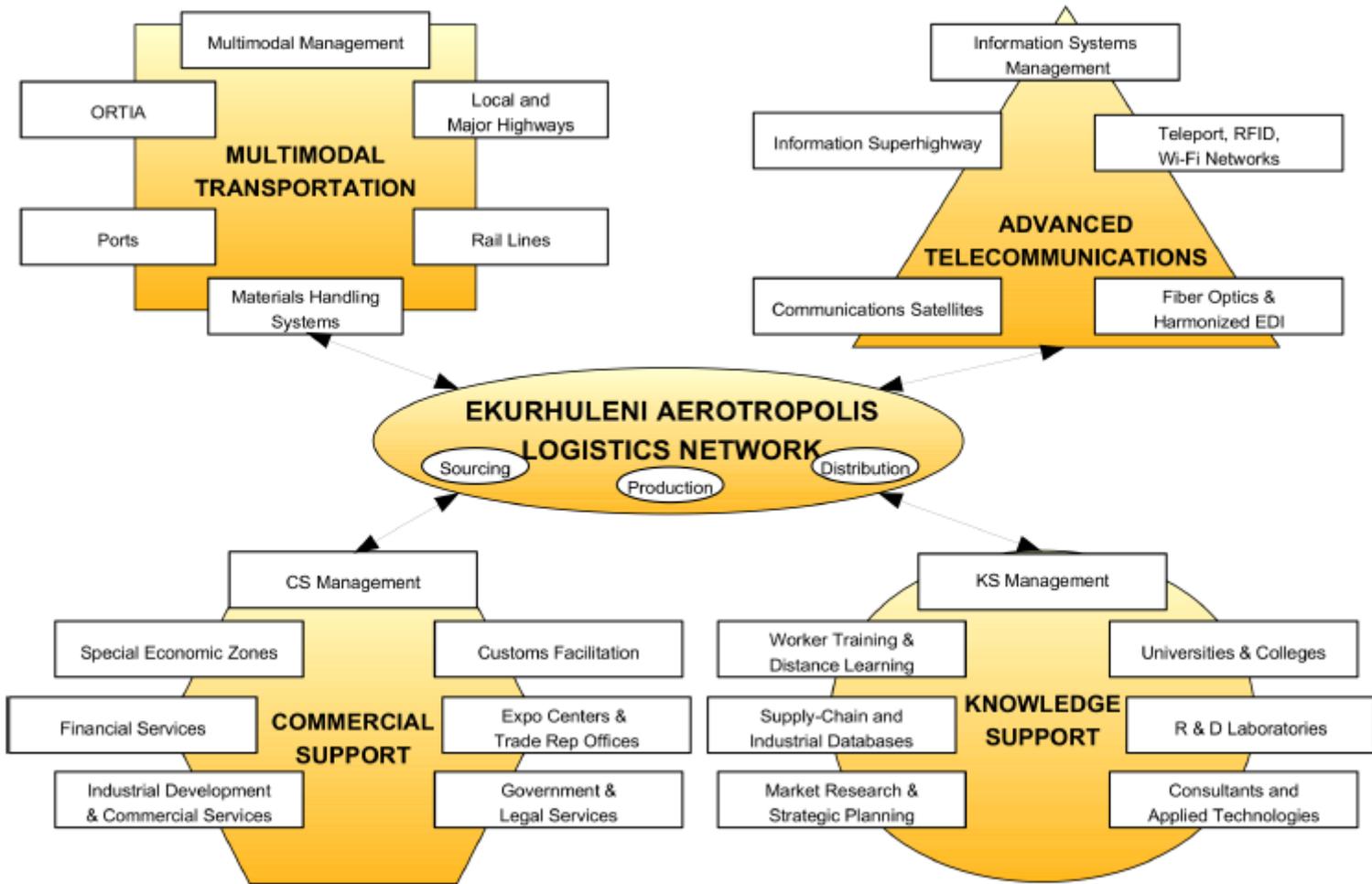
- Master planning
- Traffic generation
- Facility and infrastructure planning



- Investment planning and risk analysis
- Regional positioning and marketing
- Cluster analysis



# Hard & Soft Infrastructure proposed for EMM Aerotropolis



JET PARK

R21

M16

M57

OR Tambo  
International Airport



BONAERO PARK

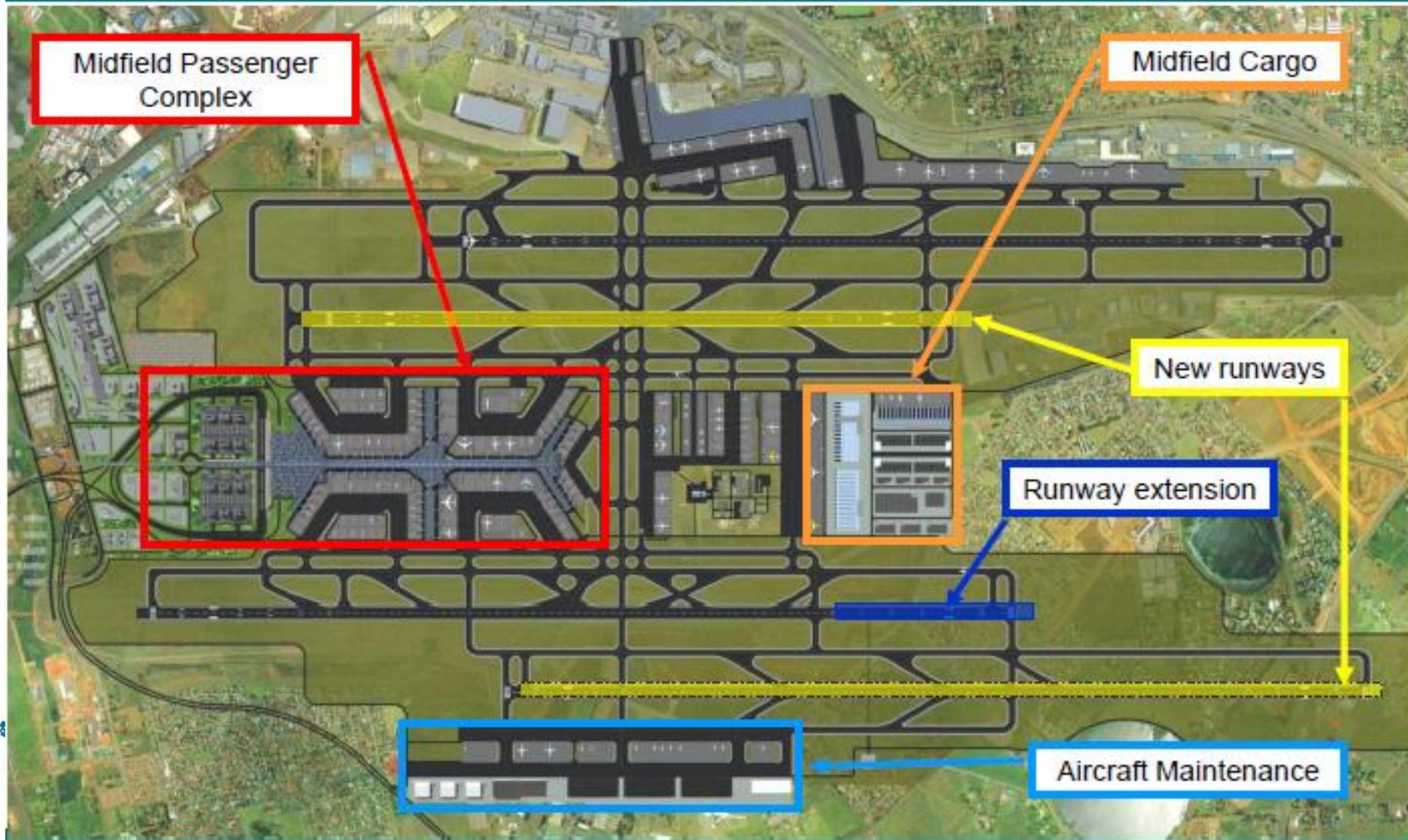
R21



# OR Tambo International Airport Airport Master Plan Update Current Master Plan



AIRPORTS COMPANY  
SOUTH AFRICA



Midfield Passenger  
Complex

Midfield Cargo

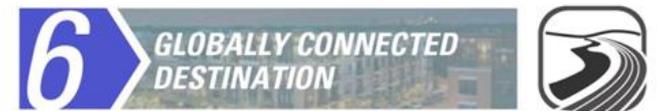
New runways

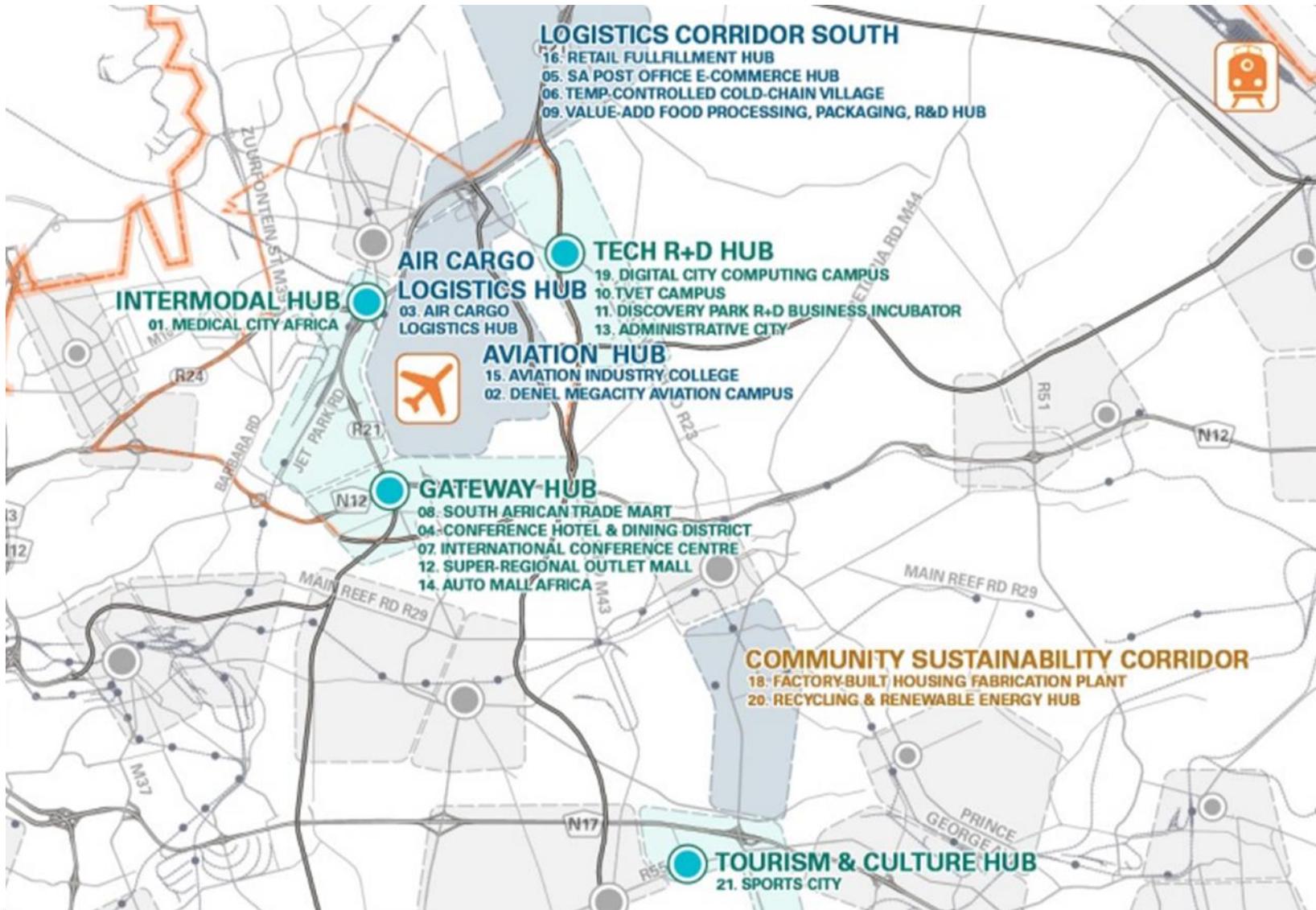
Runway extension

Aircraft Maintenance

# Aerotropolis Master Plan 2016

- Aviation Plan
- Economic Strategy
- Governance Structure
- ICT
- Transport Master Plan
- Land-use Plan
- Logistics Plan
- Marketing & Communications
- Implementation Plan





City of Ekurhuleni

# Gauteng IDZ: Jewellery Manufacturing Precinct

## LOCATION IN EMM



## LOCATION AS IDENTIFIED



## LAND PROFILING (Only suitable land)

<b>Property Description</b>	Re Portion 30 Witkoppe 64-IR
<b>Zoning</b>	Agriculture
<b>Current Land Use</b>	Mostly Vacant
<b>Size</b>	Approx 29 ha (However to be reduced by impact of K90)
<b>Ownership</b>	Private
<b>RSDF &amp; MSDF Considerations</b>	Earmarked for 'Airport Related Uses' in RSDF A.

## PROJECT DETAILS

<b>Project Purpose / catalytic effect</b>	Focus on jewellery manufacturing, from cutting to polishing and finishing, as well as support services, including logistics, insurance, finance and licensing.
<b>Location</b>	Just-In-Time off airport district
<b>Implementing Agent</b>	Industrial Property Developer
<b>Project Value</b>	R 267m
<b>Project Schedule</b>	Unknown
<b>Project status and documentation available</b>	Started
<b>Land Size Required</b>	725ha (Total IDZ)



# OR Tambo Air Cargo Logistics Hub

## LOCATION IN EMM



## LOCATION AS IDENTIFIED



## LAND PROFILING (Example along R21)

<b>Property Description</b>	Portion 282 Witkoppie 641R (OR Tambo Airport)
<b>Zoning</b>	Transportation
<b>Current Land Use</b>	Mostly vacant – Portion under consideration.
<b>Size</b>	Approx 52ha
<b>Ownership</b>	ACSA
<b>RSDF &amp; MSDF Considerations</b>	Earmarked for 'Airport Related Uses' in RSDF A.

## PROJECT DETAILS

<b>Project Purpose / catalytic effect</b>	Expand Cargo Facilities at OR Tambo Situated adjacent proposed mid-field terminal
<b>Location</b>	Logistics Hub – International Airport
<b>Implementing Agent</b>	ACSA with PPP
<b>Project Value</b>	R 1 738m
<b>Project Schedule</b>	2-3 years
<b>Project status and documentation available</b>	Unknown
<b>Land Size Required</b>	60 ha



# Temperature-Controlled Cold Chain Village

## LOCATION IN EMM



## LOCATION AS IDENTIFIED



## LAND PROFILING (Example along R21)

<b>Property Description</b>	Portion 52 Rietfontein 31-IR (Has exposure to R21)
<b>Zoning</b>	Agriculture
<b>Current Land Use</b>	Vacant
<b>Size</b>	Approx 2 ha
<b>Ownership</b>	Private
<b>RSDF &amp; MSDF Considerations</b>	Earmarked for 'Airport Related Uses' in RSDF A.

## PROJECT DETAILS

<b>Project Purpose / catalytic effect</b>	Strengthen Agri-business by moving sector into higher value upstream activities.
<b>Location</b>	Just-In-Time off airport district
<b>Implementing Agent</b>	Industrial Property Developer
<b>Project Value</b>	R 444m (ICC)
<b>Project Schedule</b>	Unknown
<b>Project status and documentation available</b>	Unknown
<b>Land Size Required</b>	25 ha (comprising many smaller developments)

## LAND PROFILING (Example along R21 expressway)

<b>Property Description</b>	Re Portion 125 Pomona Estates AH (Has access to R21 expressway)
<b>Zoning</b>	Agriculture
<b>Current Land Use</b>	Vacant Land (mostly)
<b>Size</b>	Approx 4.8ha
<b>Ownership</b>	Private
<b>RSDF &amp; MSDF Considerations</b>	Earmarked for 'Airport Related Uses' in RSDF A.



# SA Post Office E-Commerce Hub

## LOCATION IN EMM



## LOCATION AS IDENTIFIED



## LAND PROFILING (Example along R21)

<b>Property Description</b>	Need approx 10 properties. Suggest: Holding 161, 162, 163, 164, 165, 168 Pomona Estates AH & Portions 240, 563, 565 Rietfontein 31-IR
<b>Zoning</b>	Agriculture
<b>Current Land Use</b>	Single dwellings and partially vacant
<b>Size</b>	Approx 17 ha
<b>Ownership</b>	Private
<b>RSDf &amp; MSDF Considerations</b>	Earmarked for 'Airport Related Uses' in RSDf A. Good access.

## PROJECT DETAILS

<b>Project Purpose / catalytic effect</b>	Need for state of the art mail sorting facility to expedite local and international e-commerce
<b>Location</b>	Just-In-Time off airport district
<b>Implementing Agent</b>	SAPO with possible PPP
<b>Project Value</b>	R 581m
<b>Project Schedule</b>	Unknown
<b>Project status and documentation available</b>	Unknown
<b>Land Size Required</b>	20 ha



# Conclusion

- Aviation and urban development can co-exist in a complimentary fashion
- Picky and choosy in respect of what industries should be allowed to flourish around the airport.
- Strong institutions with good financial acumen would ensure the success of an aviation driven economy
- Cities and Airport Companies should drive investment facilitation together to ensure that each of their own projects complement and are catalytic within the built fabric



# Thank You

## Questions/Comments

Aadil Engar  
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Aadil.engar@Ekurhuleni.gov.za  
0825606280

