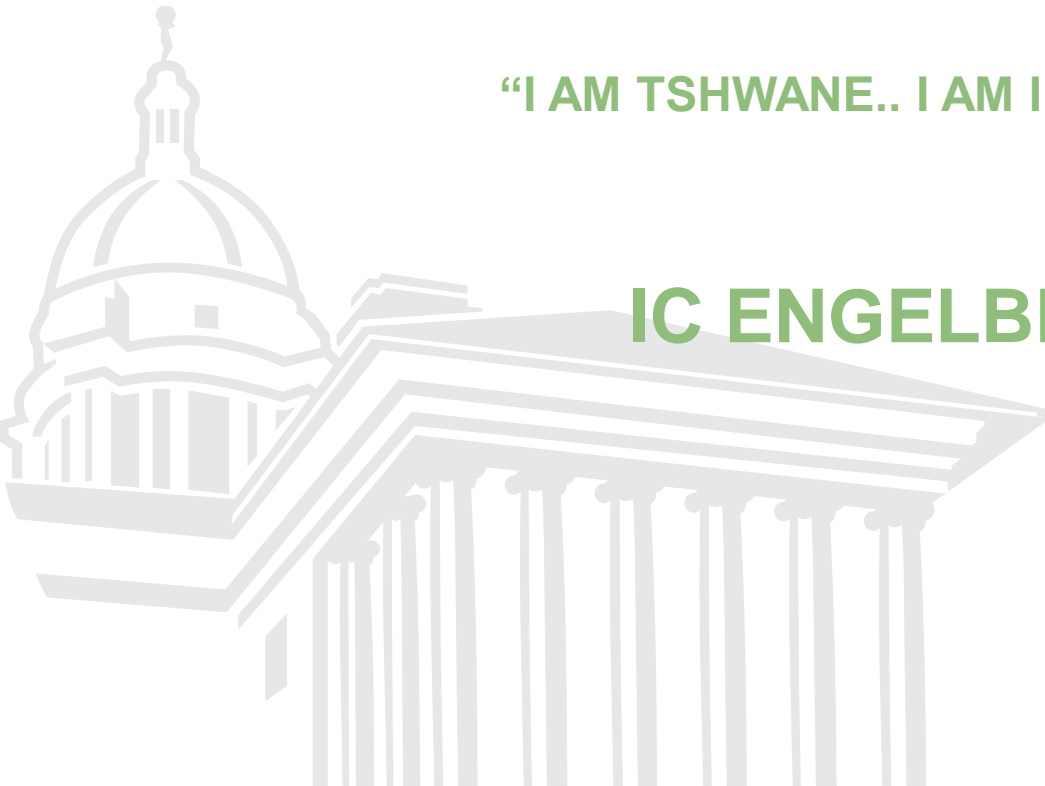


Innovation in the City of Tshwane

“I AM TSHWANE.. I AM INNOVATION”

IC ENGELBRECHT



Strategic Pillars



- 1. A CITY OF OPPORTUNITY**
- 2. A SUSTAINABLE CITY**
- 3. A CARING AND INCLUSIVE CITY**
- 4. A SAFE AND CLEAN CITY**
- 5. AN OPEN AND HONEST CITY**

WHY

We **believe** in the **creative power** of **Tshwane citizens** (People) AND therefore we exist to **create platforms** that will allow for the **inflow** and **outflow** of **knowledge (ideas)** between the City, employees and citizens to turn knowledge (ideas) into **implementable innovative service delivery solutions** that will improve quality of life

**IKM
Programmes**

Innovation & Continuous Improvement

**Knowledge
Management**

**Strategic
Objectives**

Improve the efficiencies and effectiveness of City of Tshwane in delivering services through the Quality Management System

Continuously Improve business value-add to customers and citizens through strategic re-engineering and optimisation of end-to-end value chain processes

Drive and stimulate Innovation in the City thus establishing new value chains, products and service through targeted innovation programs

Enhance municipal capacity through institutionalizing knowledge management practices within the City of Tshwane

IGNITING EXCELLENCE

KEY PROBLEMS TO BE SOLVED





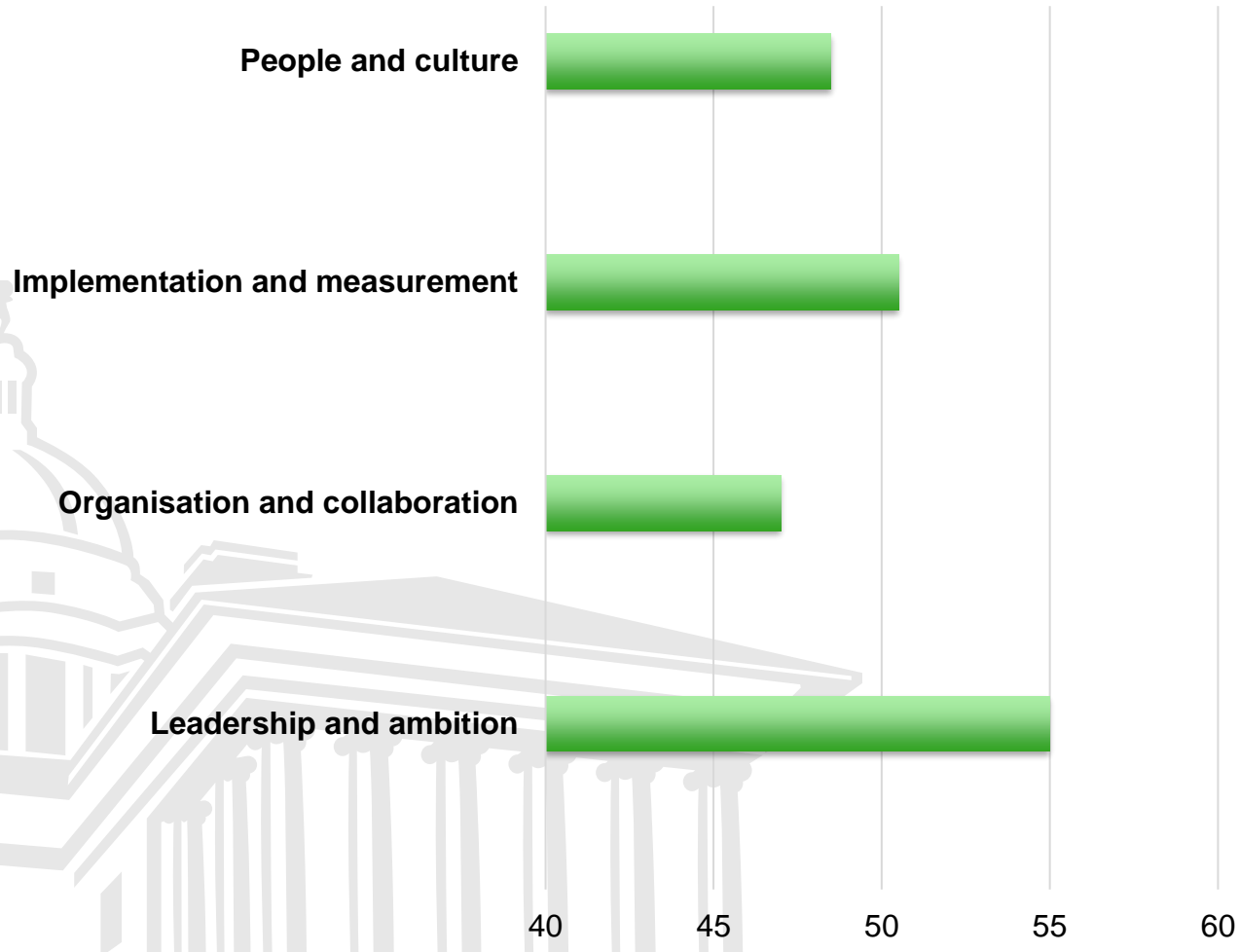


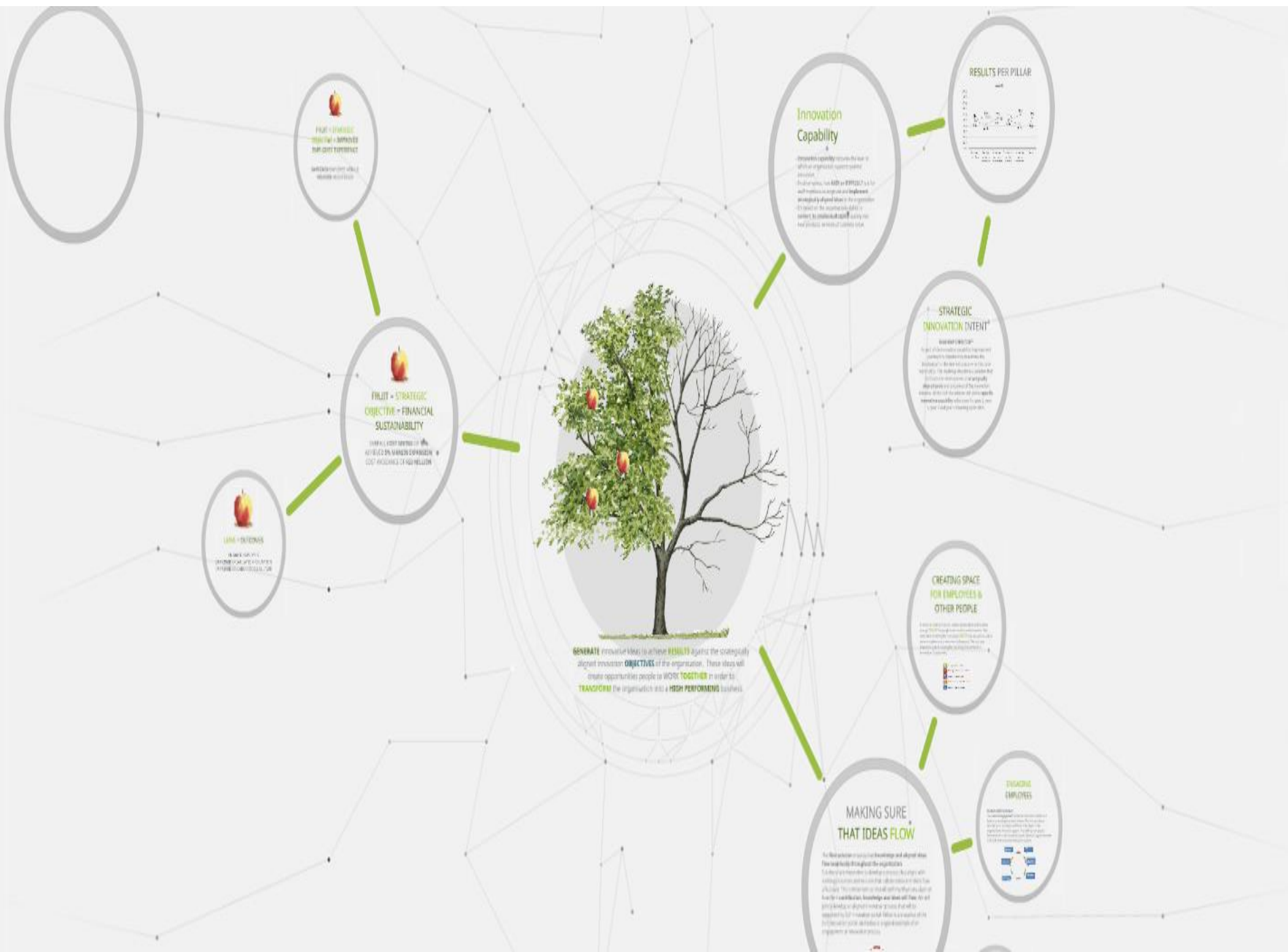
PAIN

UNDERSTANDING AND MANAGING THE PROBLEM (PERFORMANCE MANAGEMENT)



Innovation Pillars





ISO 56000 INNOVATION STANDARDS

1. Context
2. Leadership
3. Planning
4. Support
5. Operations
6. Performance evaluation
7. Improvement

Key Innovation principles

- | | |
|--------------------------------|----------------------------------|
| 1. <i>Realization of value</i> | 2. <i>Future focused leaders</i> |
| 3. <i>Strategic direction</i> | 4. <i>Culture</i> |
| 5. <i>Exploiting insights</i> | 6. <i>Managing uncertainty</i> |
| 7. <i>Adaptability</i> | 8. <i>Systems approach</i> |

Innovation Strategy Pillars

Igniting the Tshwane innovation ecosystem

- Multi Helix Innovation Ecosystem
- Showcase success stories
- Facilitate innovation within communities

Igniting the Innovation Ecosystem

Establish responsive governance structures for sustainable innovation and transversal participation

- Decentralised Innovation
- Building internal capacity

Governance and Participation

Balanced Project Portfolio

Build a balanced innovation project portfolio that will impact service delivery

- Open Innovation Challenges
- Innovation Pipeline
- Innovation Dashboard

INNOVATION CAPITAL

Building Innovation Platforms

Providing platforms for piloting of innovative solutions to emerging entrepreneurs/innovators

- Strong partnership models
- Economic Development

INNOVATION CAPITAL

Most Innovative Square Mile in Africa



- According Prof Kupe, in the city we have the Technology Innovation Agency (TIA), the Council for Scientific and Industrial Research (CSIR), the National Research Foundation(NRF), the Department of Science and Innovation (DSI), the Innovation Hub (TIHMC), Tshwane IDC and other research, development and innovation bodies and agencies.
- This means....that in the city of Tshwane we host the fast emerging, ***“Most Innovative Square Mile in Africa”*** that is comparable internationally with other innovative spaces.

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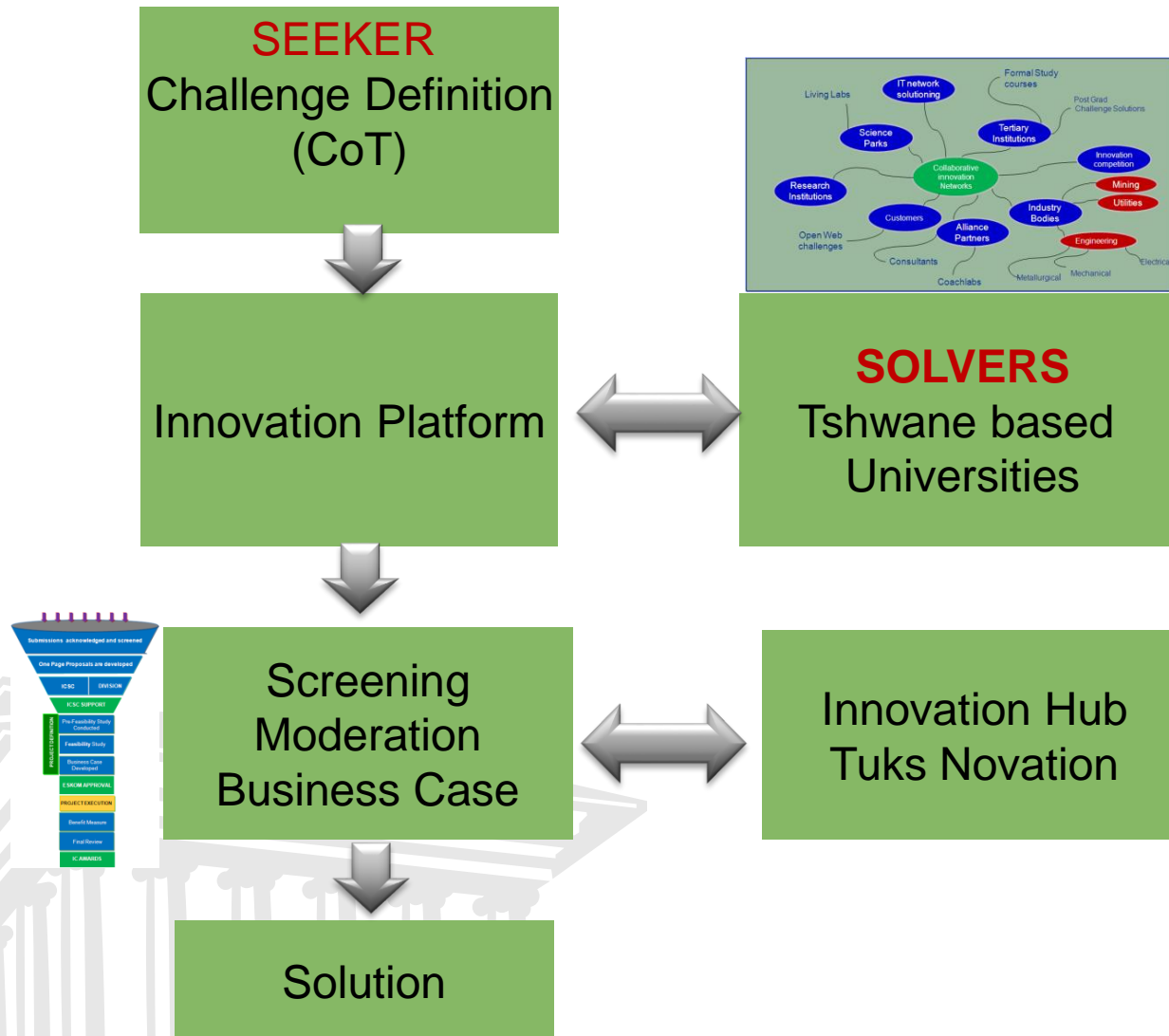
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Open and Collaborative Innovation



2019-2021 ANCHOR PROJECTS

UNIVERSITY INNOVATION CHALLENGE

Tshwane Innovation Centre [TIC] is pleased to announce the University Challenge. The University Challenge seeks to develop highly competent and confident student entrepreneurs with high tech solutions. If you have a solution in either one of the following:

Water, Energy and
Waste (CleanTech)

AgriTech and
FoodTech

Clean transport/
mobility

Health

Smart Cities

PRICES

Go to this website to enter: <http://openix.theinnovationhub.com/>
Entries close open from 15 July & close 30 August 2019

SUPPORTED BY:

ÉVÈNEMENT

BLUE OCEAN AWARDS : 7ÈME ÉDITION PLACÉE SOUS LE SIGNE DE L'INCLUSION

Fil rouge de la cérémonie multi-sites qui s'est tenue le 11 mai dernier, les lauréats ont démontré comment l'inclusion peut être source d'innovation à impact dans le développement de son entreprise. Pleins feux sur ces startups engagées qui créent de nouveaux marchés.

PAR MARIE-CAROLINE SELMER

C

Blue Ocean Awards se sont fincés dans les 6 mois. Dans les 3 ans qui ont suivi leur victoire, la valorisation des gagnants est multipliée par 10 en moyenne et peut dépasser 40 » précise Alban Eral.

Organisée le 11 mai dernier, la 7ème édition des Blue Ocean Awards a donné lieu à une cérémonie exceptionnelle retransmise en direct sur 10 heures de live, simultanément depuis HEC Paris, Bordeaux Technowest et, pour la première fois, depuis le Campus Sciences-U EFAB de Lyon et l'Ambassade de France en Afrique du Sud à Pretoria. Une ouverture à l'international, saluée par Aurélien Lechevalier, ambassadeur de France en Afrique du Sud, pour qui l'édition « s'inscrit pleinement dans notre souhait de soutenir le développement

Créés en 2014 par Alban Eral avec le soutien d'HEC Paris et du ministère de l'Économie, des Finances et de la Relance, les Blue Ocean Awards ont pour mission d'identifier et mettre en avant des entreprises innovantes par leur offre, à contre-courant des modèles habituels. Déclinaison du concept de Stratégie Océan Bleu, issu des travaux de recherche de W. Chan Kim et Renée Mauborgne



SEARCH

uni-span
Engineering & Manufacturing

CREAMER MEDIA'S
ENGINEERING NEWS

REAL ECONOMY NEWS IN REAL TIME

HOME

R/E = 17,56
Au 1698,60 \$/oz

R/S = 14,96
Pt 1176,50 \$/oz

COVID-19 NEWS

LATEST NEWS

SECTOR NEWS

MAGAZINE

VIDEO REPORTS

AUDIO

RESEARCH

PRESS OFFICE

ANNOUNCEMENTS

VIRTUAL
SHOWROOM

LOGIN

Columnists

What's On

A NAME YOU CAN TRUST.
Reliability. Performance. Durability. For overall value, no one does it better.

REXNORD
OUR INNOVATION MOVES

CONTACT YOUR LOCAL DISTRIBUTOR TODAY.

Integrating efficiency.
Maximizing uptime.
Enabling optimization.

Reliable Communication and Safety.

For operators, on jobsite.

PEPPER-FOX

ZEST
WEG Group

More than just products ...
Comprehensive solutions for all your energy needs

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← Back

1st international edition of the Blue Ocean Awards will take place in South Africa on the 11th of May 2021

23RD MARCH 2021

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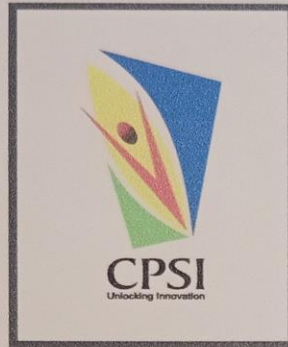
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Awards 2021

Citizen Focused innovation Harnessing Non-ICT Solutions

2nd Runner-up

Tshwane Inter-University Innovation Challenge

Gauteng





the cpsi

governance Component
enhancing the service innovation
SPRINT YOUTH

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Role of the Innovation Steering Committee (EXCO Sub Committee)



- Contribute to stimulating and **building organisational innovation capability**
- Engage innovation proposals(ideas) presented to the Innovation Steering Committee(ISC)
- Participate in the adjudication process of innovation proposals presented at the Innovation Steering Committee meetings,
- Provide guidance for the development of **an innovation culture within the organisation.**

Engaged in various activities for example Most recent and ongoing)

- *Pitch Pot sessions*
- *CPSI Design Thinking*
- *School of Government*



INNOVATION PATRONS

Idea management system
Innovation process –portal
Monthly Pitch Pot

Tshwane innovation Zone (TIZ)



Tshwane Innovation Portal



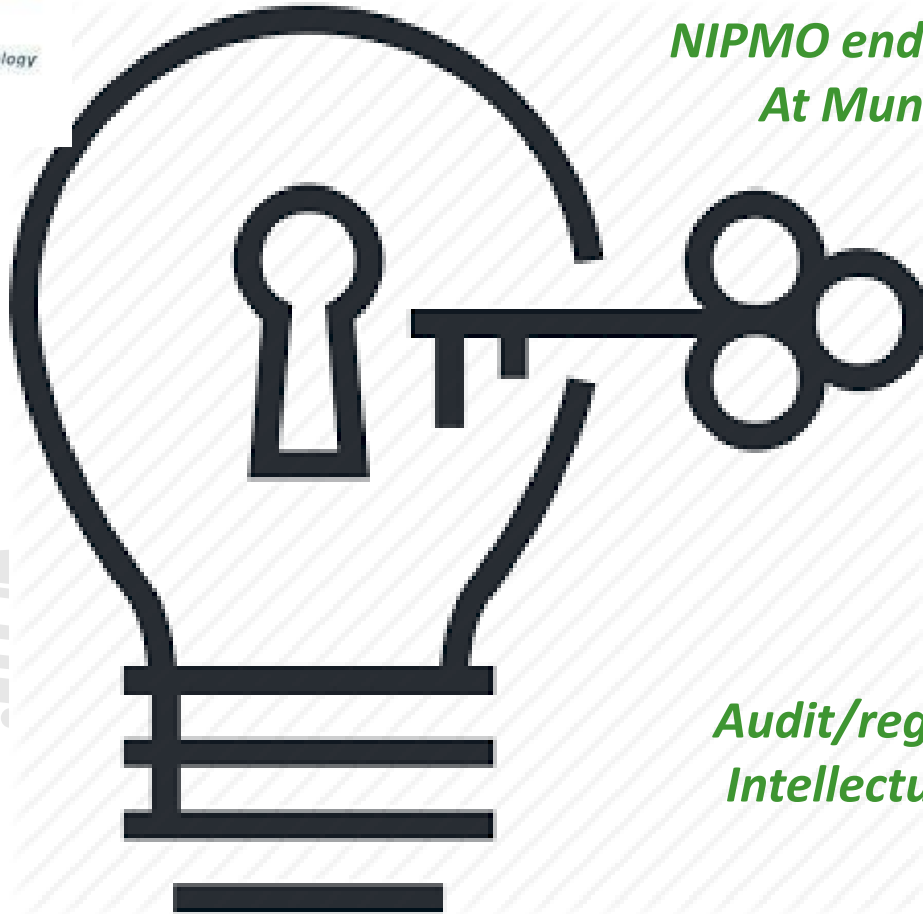
Innovation strategy review competition



Protecting Intellectual Capital (IP Policy)



*NIPMO endorsed IP Policy
At Municipal level*



*Audit/registering of
Intellectual Property (IP)*

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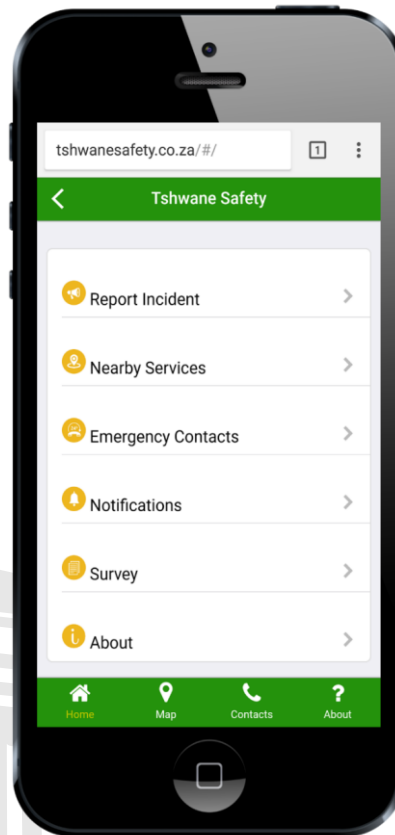
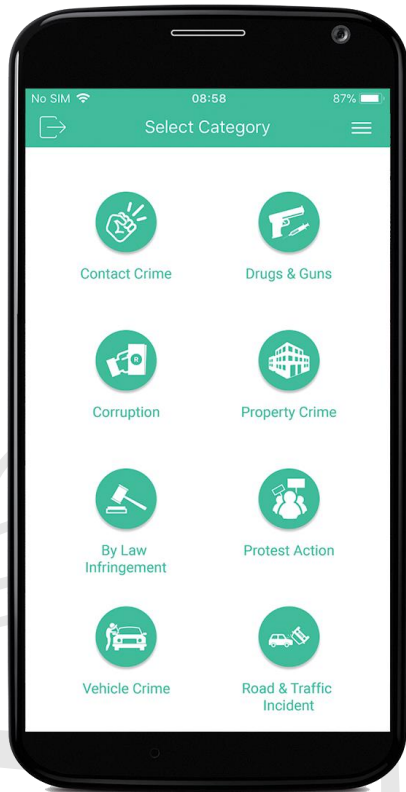
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Recent/Current Pilot Projects

1. Tshwane Safety Application
2. Tshwane E-government App
3. E-bikes
4. Hearscreen
5. Urban Agriculture
6. And others

1. Problem statement
2. Objectives
3. Project achievements

Tshwane Safety App



tshwanesafety.co.za

***120*TSHWANE#**



E-Bikes Pilot Project (Bike sharing)




[READ MORE ABOUT THE PROJECT HERE](#)

Interested in taking part? [Register here](#)

User Name

 User Name

Password

 Password

☐ Remember Me

[Log In](#)

[Register](#) | [Lost your password?](#)

HEARSCREEN PILOT PROJECT



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Innovation Pilot Project (2016/2019)

Objectives

MediCube Smart Locker

Reduces waiting time for medicine collection

Colispot

Early warning screening tool for sewage contamination in water sources

Biometric Health Solution

Eliminate the duplicate dispensing of chronic medication

Leakless Valve

Reduces toilet water leaks

e-KASI LAB Programme



- Youth targeted (18 – 35 yrs.)
Entrepreneurship programme.
- Builds a foundation for a future
knowledge and innovation society.
- Encourages entrepreneurship and skill
development in townships.
- Provides entrepreneurs with access to
business mentors.
- A link between entrepreneurs and
potential funders.

FABLAB School Programme



FABLAB

YOUTH MOTIVATION

- Collaborative programme with High Schools in townships aimed at facilitating access to training in technology and innovation for Grade 9 – 11 learners.
- Aim of the programme is to expose learners from disadvantaged background to alternative careers and entrepreneurial field.
- Builds a pipeline for ekasi programme and a pool of future entrepreneurs.

BALANCED INNOVATION PORTFOLIO (PIPELINE)

- Revenue Challenge (TUT/UNISA/Amazon)
- Living Labs (UNDP/DSI)
- Urban farming
- Water harvesting technology
- FabLab Programme expansion
- eKasiLab Programme expansion
- SCM & other optimization initiatives Optimisation Initiatives
- ...and MORE!!!!

IN CONCLUSION



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Challenges

❖ **Very lean staff compliment** to service the entire organization

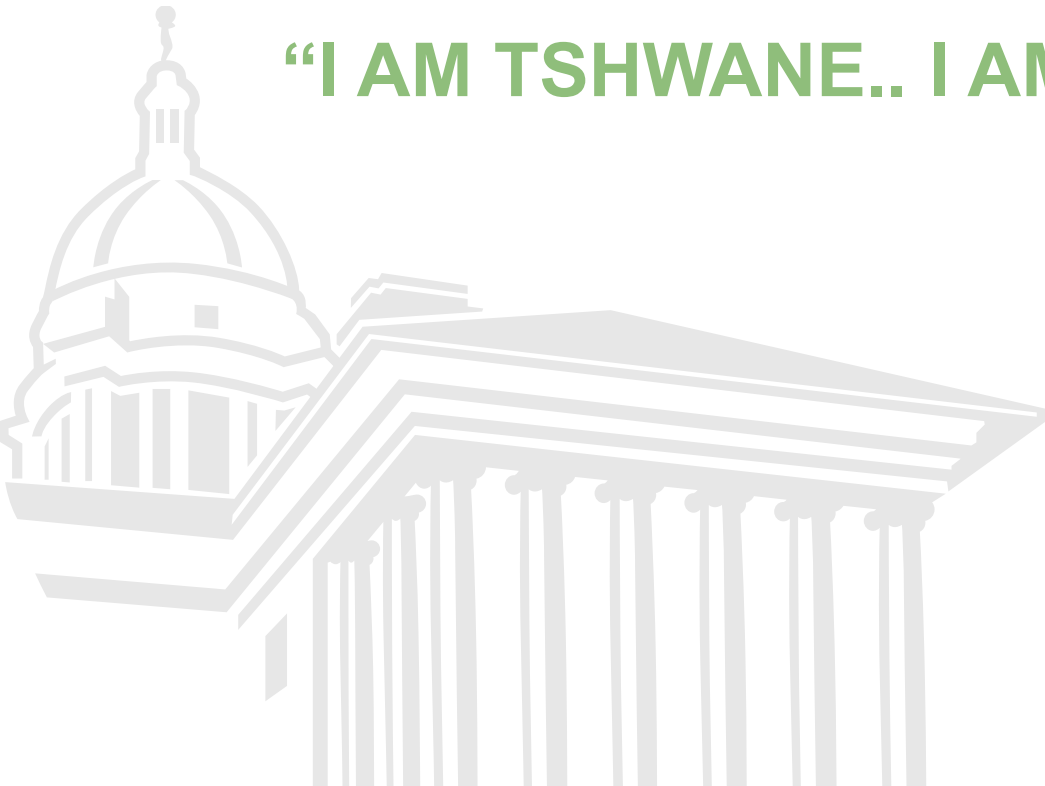
❖ **Instability**

❖ **Need to increase employee/community participation**

❖ **Limited of financial resources**

❖ **Legislative limitation** to adopt some of the pilot solutions implemented (MFMA)

“I AM TSHWANE.. I AM INNOVATION”



THANK YOU!

