KWAZULU-NATAL
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

Inspiring New Hope

PRESENTED BY : **Pr.CPM | PMP® | RMP® | Pr.Arch.T**
NAME : **MKUSELI**
SURNAME : **MADUBELA**
DIRECTORATE : **IMTS-INFRASTRUCTURE MANAGEMENT AND TECHNICAL SUPPORT**
DEPARTMENT : **KZN PUBLIC WORKS & INFRASTRUCTURE**

KZN DPW&I current & future projects including role of Engineers in the Department

CESA KZN Branch Visit

Function held at Hilton Garden Inn Umhlanga Arch - 23rd April 2026

Purpose & Summary of the presentation

- The purpose of the presentation is to demonstrate the mandate of KZN DPW&I by highlighting key current & future projects and clarify roles & responsibilities of Engineers in the Department as we share experiences & challenges including mitigations strategies and opportunities

Random key Current & Future Projects
&
Role of Engineers within KZN DPW&I

PROJECT AT PLANNING STAGE

WIMS NO	076629
FACILITY DESCRIPTION & SCOPE	**CoGTA: NEW IXOPO OFFICES & CSC** (NEC3 Option B Contract)
PROJECT START DATE	14/08/2023
ORIGINAL COMPLETION DATE	14/08/2025
PROJECT BUDGET	R91 176 661,66 incl. VAT & Fees
EXPENDITURE TO DATE	R668 908. 05 - Stage 1 deliverables & expected April 2026 is approx. R3.5 milion
PROJECT STAGE & % PROGRESS	**IPAC Stage 2 approved** on the 27 March 2026
MITIGATION /INTERVENTION IMPLEMENTED	• IPAC Stage 01 approved end-March 2024 after CoGTA reduced initial brief scope & budget from the Master Plan approach. • IPAC Stage 2 approval. • All achieved deliverables have been issued to the client via download SharePoint/WeTransfer and lever arch files.
Scope	• Screening and Solar Protection • Human Comfort, Cooling & Heating • Active Technologies • General Pre-planning Considerations : Explore client's sustainability goals beyond GBSA criteria.
PROJECT COMPLETION DATE	Project put on-hold by CoGTA
PROJECT LEADER	Mr Mkuseli Madubela

CoGTA OFFICES - RENDERS





PROJECTS ON TRACK PROJECTS: CONSTRUCTION STAGE (1)

WIMS NO	076092
FACILITY DESCRIPTION & SCOPE	**KARL EGGERS BUILDING**: EXISTING MULTI-STOREY BUILDING FOR DEPARTMENT OF SOCIAL DEVELOPMENT
PROJECT START DATE	17 February 2026
COMPLETION DATE	20 August 2027
PROJECT BUDGET	R83 335 448, 76 incl. & Prof. Fees
EXPENDITURE TO DATE	R16 354 044,94 incl. VAT
PROJECT STAGE & % PROGRESS	**Stage 5B** – **NEC 3 Option B Design and Build** at 21% complete vs 16% Time lapse. • Site establish & CLO appoint. is 100% achieved. • Asbestos roof sheets 100% removed & disposal certificate obtained. • Demolishing 100% achieved.
PROJECT LEADER	Mr Mkuseli Madubela transferred to Mr Tapera Gwaze

DSD KARL EGGARS BUILDING OFFICES - RENDERS





PROJECTS ON TRACK: PROJECTS AT PLANNING STAGE (1)

WIMS NO	076645
FACILITY DESCRIPTION & SCOPE	**DOT 240 BURGER STREET - RTI TRAFFIC TRAINING COLLAGE**: REPLACEMENT OF HERITAGE MAIN BUILDING & CHAPEL ROOFS
PROJECT START DATE	14 February 2026 (Stage 1 Kick-off Meeting)
ORIGINAL COMPLETION DATE	IPAC Stage 4 approval anticipated in 6months, dates TBC
PROJECT BUDGET	R26 000 000.00 incl. VAT & Fees
EXPENDITURE TO DATE	R204 276,00
PROJECT STAGE & % PROGRESS	IPAC stage 2 pending approval & planning at 30% complete
ROOT COURSE FOR DELAYS	• No records of As-built drawings, and additional professional disciplines required to fulfil compliance planning requirements of the building. • AMAFA approval granted end of year 2025 for change of specification on roof replacement, after x3 meeting presentations with AMAFA committee since May 2025 to date.
MITIGATION /INTERVENTION IMPLEMENTED	• IPAC Stage 2 under review for consideration since submitted 11th February 2026, awaiting for IPAC approval meeting. • IPAC stage 2 comments & corrections are on-going from PSP's & IPAC members as some disciplines are recommended already including OHS deliverables. • IPAC STAGE 01 approved in April 2025 as per confirmed client budget. • Kick off meeting for Stage 1 was held 24 February 2025.
PROJECT COMPLETION DATE	16 months contract, dates to be confirmed
PROJECT LEADER	Mr Mkuseli Madubela

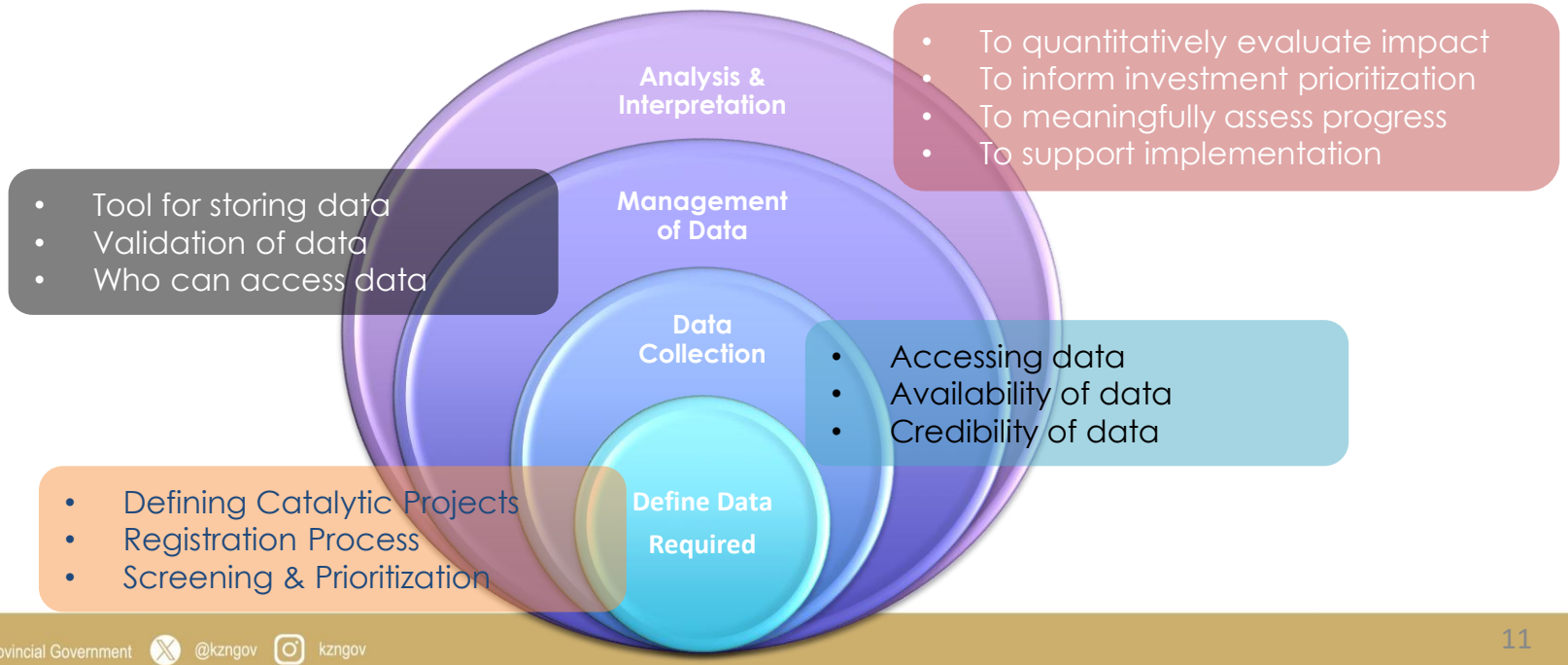
ARCHITECTURAL PHOTOGRAPHS (Main Building & Chapel)





KZNIIMP: Catalytic Projects (CP)

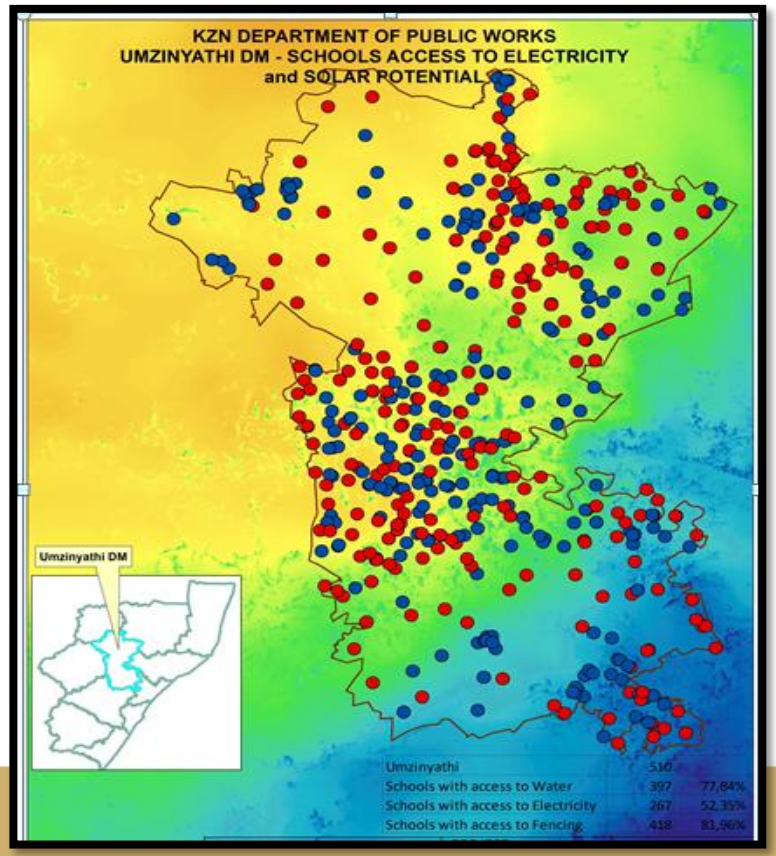
- The Catalytic Projects portfolio is a component of the KZNIIMP. The DPW was tasked with setting up the Catalytic Projects Office (CPO) that will register KZN catalytic infrastructure projects, collect, manage, analyze and interpret project data to support efficient and effective implementation of projects.
- The CPO will also monitor the progress of catalytic projects and report to provincial structures.
- The process of setting up the CPO consists of different elements as summarized in the Figure below.

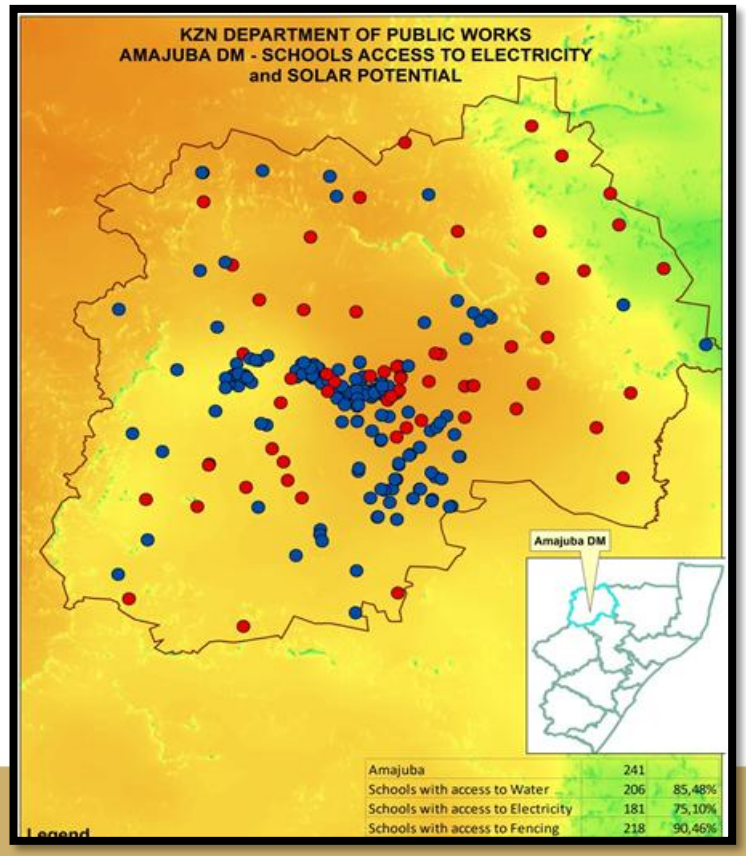


GREEN ECONOMY

- The draft Green Economy Strategy addresses the clean energy generation amongst other things. In this context, GIS solar potential data for KZN has been consolidated with the energy needs of the province and is accessible via the infrastructure portal.

- The images below are examples of the consolidated GIS data showing schools without electricity (red dots) and the solar potential of their geographic location.





GOVERNMENT PRECINCT DEVELOPMENT



PRECINCT: Go to Market Strategy

- Interested developers and investors will be invited to participate in the precinct project. The investment may be provided in three stages as indicated in A, B and C below.

PROJECT A

- Site development works
- Legislature 14 000Sqm
- Archives 15 000Sqm
- Conference centre 10 000 Sqm
- Retail space 5 000Sqm

TOTAL R3.14Billion

PROJECT B

- Off. of the Premier 13 900 Sqm
- EDTEA 12 640Sqm
- DARD 7 900Sqm
- Education 6 580Sqm

TOTAL R1.842Billion

PROJECT C

- Social Dev. 14 120Sqm
- COGTA 12 700Sqm
- Comm Safety 2 320Sqm
- Human Settl. 3 060Sqm
- Sports & Recr 7 300Sqm
- Treasury 10 060Sq.m
- DAC 5 900Sq.m

TOTAL R1.835Billion

OCEAN ECONOMY







- The draft strategy addresses opportunities in the following work streams:
- Aquaculture & Tourism
- Small Harbours Development
- Skills and Enterprise Development
- Energy and Water
- Sustainability, Security and 4IR Investment
- The draft strategy was prepared in consultation with multiple stakeholders and continues to be socialized with stakeholders, e.g.:

EMC eThekwini Maritime Cluster
KWAZULU-NATAL SHARKS BOARD Maritime Centre of Excellence
KWAZULU-NATAL PROVINCE ECONOMIC DEVELOPMENT, TOURISM AND ENVIRONMENTAL AFFAIRS REPUBLIC OF SOUTH AFRICA
Moses Kotane Institute Research · Innovation · Excellence
Trade & Investment KwaZulu-Natal YOUR KNOWLEDGE PARTNER IN BUSINESS
MSC Cruises Beautiful. Passionate. Italian.
KWAZULU-NATAL PROVINCE TRANSPORT REPUBLIC OF SOUTH AFRICA
higher education & training Department: Higher Education and Training REPUBLIC OF SOUTH AFRICA
UNIVERSITY OF KWAZULU-NATAL
ETHEKWINI MUNICIPALITY
TRANSNET
KWAZULU-NATAL PROVINCE EDUCATION REPUBLIC OF SOUTH AFRICA
public works & infrastructure Department: Public Works and Infrastructure REPUBLIC OF SOUTH AFRICA

Challenges faced from limited Engineers and solutions

Challenges faced from limited Engineers and solutions

Narrative reasons why Engineers avoid working for government:

1. Pay often leg behind private sector as its not competitive
2. Slow career progression
3. Bureaucracy / red tapes
4. Limited exposure to innovation
5. Political & administrative interference
6. Funding uncertainty to projects leading to delays
7. Skills stagnation concerns
8. Procurement challenges etc

Solutions and opportunities to attract Engineers in government

How to make engineering roles attractive to work for government:

1. Make compensation competitive
2. Invest in modern tools
3. Protect professional independency
4. Improve workplace culture & leadership
5. Flexible work & modern policies like hybrid work, flexi hours etc
6. PPP's for exposure
7. Build a strong professional identity in government
8. Professional respect.

CONTACT DETAILS

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THANK YOU

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