



# JOB SHADOW INITIATIVE

A DAY IN THE LIFE OF A CONSULTING ENGINEER

Date: July 2025 | Location: MPAMOT Durban Office | Office: MPAMOT Eastern Region



## INSPIRING TOMORROW'S ENGINEERS, TODAY

At MPAMOT, we believe that meaningful transformation starts with early exposure, mentorship, and access to real-world opportunities. The CESA Job Shadow Initiative is a powerful platform that allows us to engage with young minds, spark curiosity, and illuminate future pathways in engineering and consulting.

In 2025, our Durban office proudly hosted 15 learners from Sivananda Technical High School. Through interactive presentations, hands-on challenges, and direct engagement with our professionals, the students experienced the dynamic world of consulting engineering. MPAMOT has proudly walked this journey with Sivananda Technical High since 2018, demonstrating our long-standing support for the Job Shadow Initiative and our commitment to empowering young talent.

This initiative is a reflection of our ongoing commitment to youth development and transformation. By investing in tomorrow's engineers today, we're helping to build a more inclusive, innovative, and resilient built environment for South Africa.

## HANDS-ON, MINDS-ON

Engineering is more than numbers and plans. It's about creativity, innovation, and teamwork. During the Job Shadow Day, learners took on exciting hands-on challenges that stretched their thinking and sparked problem-solving.

They built the longest paper chain, the tallest tower, a bridge with limited materials, and carried out a fun science experiment on atmospheric pressure and equilibrium.

The energy in the room was electric as teams collaborated, tested ideas, and tackled each challenge. These activities didn't just bring out their creativity it they showed the value of planning, communication, and critical thinking, all essential skills for any future engineer.

## ENGINEERING IN ACTION

Our Young Professionals guided learners through MPAMOT's core disciplines:

Structures

Advisory

Renewable Energy

Transport

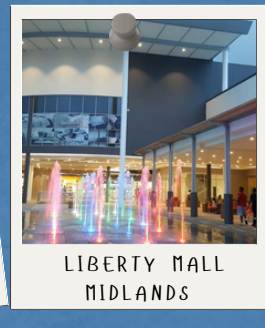
Civils

Water Wastewater

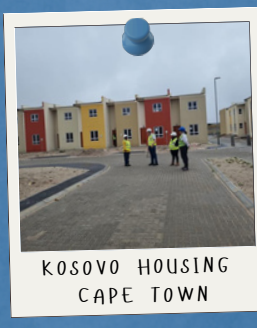
Through engaging presentations and real-world stories, students got a taste of projects like....



MARITIME SCHOOL KZN



LIBERTY MALL MIDLANDS



KOSOVO HOUSING CAPE TOWN



COTE D'OR SPORTS COMPLEX MAURITIUS

The Maritime School of Excellence and the Liberty Mall Midlands KwaZulu Natal, Kosovo Housing Development, Cape Town, the Cote D'Or Sports Complex, Mauritius.

These examples helped students understand the real impact engineers have on communities, cities, and countries.

## WELCOME TO THE WORLD OF ENGINEERING

In July 2025 the MPAMOT Durban office opened its doors to 15 enthusiastic Grade 10 learners from Sivananda Technical High.

As part of the CESA Young Professionals Forum (YPF) Job Shadow Initiative, the day offered a real glimpse into what it's like to be a consulting engineer.

The excitement was tangible as students arrived, eager to explore, learn, and be inspired.

## REAL TALK, REAL IMPACT

After lunch, the learners took part in a feedback session where they reflected on the day's experiences. They shared the key takeaways and highlighted what left a lasting impression.

"I never knew engineering could be this creative," one future engineer shared.

Another added, "I want to come back next year."

Some even stayed behind to ask more questions. Which is a clear and heartening sign that the day had ignited genuine curiosity and inspiration.

## DRIVEN BY YOUNG PROFESSIONALS

This unforgettable experience was brought to life by five of MPAMOT's passionate Young Professionals, who shared their time, knowledge, and mentorship throughout the day. With infectious energy and a genuine desire to inspire, they created an environment where curiosity was encouraged, questions were welcomed, and confidence was built.

These YPs weren't just engineers for a day... They were role models for young minds.

## WALKING THROUGH INNOVATION

The office tour brought students face-to-face with our daily environment. They got to see where ideas are born and how projects come to life. Many asked thoughtful, technical questions, from bridge placement logistics to the future of renewable energy. The interactions between our engineers and the students were genuine and inspiring.

Real insight, real questions, real potential

EXPLORING NEW HORIZONS

FUTURE ENGINEERS AT WORK

DREAM, BUILD, ACHIEVE

CURIOUS MINDS, BIG QUESTIONS

INFRASTRUCTURE PORTFOLIO PRESENTATION

INNOVATE, CREATE, INSPIRE

PRESENTING TO FUTURE ENGINEERS

KNOWLEDGE IN MOTION

COLLABORATION IS KEY

HANDS ON LEARNING

ENDING THE DAY WITH A SMILE

15 STUDENTS

GIRLS IN ENGINEERING

BUILDING BRIGHT FUTURES

15 Students  
Grade 10  
1 School

## BUILDING MORE THAN JUST INFRASTRUCTURE

At MPAMOT, we believe in building bridges of not just of steel and concrete, but of opportunity and inspiration. The CESA Job Shadow Initiative continues to be a powerful platform for exposing learners to the world of engineering. We are proud to play a role in shaping the minds that will one day shape our world.