

### INVESTING IN TOMORROW, TODAY

We believe meaningful transformation begins with **early exposure, mentorship, and access to opportunity**. The CESA Job Shadow Initiative provides a platform to **engage young minds, spark interest, and introduce future pathways in engineering and consulting**.

In 2025, our Cape Town office welcomed **97 learners from 10 schools** across the Western Cape. Through structured sessions and interactive discussions, learners gained valuable insight into the consulting engineering profession and its impact on society.

This initiative reflects **our continued commitment to developing future professionals** and contributing to a **more inclusive and resilient built environment in South Africa**.

### OUR ONGOING COMMITMENT TO YOUTH EMPOWERMENT

Since 2019

Continuing to Build Futures

MPAMOT's Cape Town office has proudly supported the CESA Job Shadow Initiative since 2019. Now in our sixth consecutive year, we're excited to see familiar faces returning from previous events. Many learners come back each year, with a few already expressing interest in attending again in 2026!

Over the years, we've introduced more than **625 learners** to the world of engineering—sparking curiosity, inspiring ambition, and planting the seeds for future careers in STEM.

### REAL TALK – THE JOURNEY INTO ENGINEERING

During the session, MPAMOT provided a clear and relatable overview of the engineering profession, outlining key disciplines, required qualifications, and the value of early exposure through job shadowing. Learners were guided through the post-university journey, including the steps toward professional registration and career development within the consulting engineering environment. The session had a measurable impact, with 23 learners expressing a newfound interest in pursuing engineering as a career underscoring the importance of structured mentorship in shaping future professionals.

**Presenters:**  
Gavaza Mabulele (Candidate Engineer, Pavements), Paul Olivier (Candidate Engineer, Energy) and Anri Kroukamp (Candidate Engineer, Pavements)

### CAREER PATHWAYS IN CONSULTING ENGINEERING

We introduced learners to various engineering disciplines within consulting, each offering unique career opportunities:



We discussed the many roles engineers play:



All passionate about mentoring and showcasing the consulting engineering industry.

“This isn't a one-day outreach—it's an ongoing investment in growing awareness, confidence, and technical aspirations among South Africa's future engineers”

QUESTION / ANSWER SESSION

LET'S TALK RENEWABLE ENERGY

LET'S TALK PAVEMENT ENGINEERING

WHY ENGINEERING?

### A GLIMPSE INTO THE WORLD OF CONSULTING ENGINEERING

Through hands-on activities, real stories, and open conversations, we gave learners a true glimpse into what a day in the life of a consulting engineer looks like. From understanding how projects are designed and managed, to exploring site work, client engagement, cost estimation, and technical problem-solving we unpacked the many roles that engineers play in shaping communities.

Our goal was not only to inform, but to inspire to show that behind every bridge, pipeline, or school building, there's a team of passionate professionals solving real problems and making a lasting impact.

### QUOTES OF THE DAY WHAT THE LEARNERS SAID

- I think my strength is supervising.  
- Future project manager in the making
- I enjoy seeing how everything works together.  
- After understanding engineering coordination
- Teamwork is hard when there are too many cooks in the kitchen.  
- Reflecting on group collaboration

### ON THE ROAD TO BECOMING AN ENGINEER

WELCOME TO THE OFFICE

INDUCTION 101

TO THE DRAWING BOARD

LEARNING BY DOING

TEAMWORK IS DREAMWORK

We welcomed two bright students into the world of consulting engineering during a two-week immersion at our offices.

From geometric design and structural engineering to advisory services, they gained hands-on exposure to the dynamic world of infrastructure.

They left with renewed inspiration, practical insights and ready to take on the future of engineering.

PRESENTING TO FUTURE ENGINEERS

97 STUDENTS

23 STUDENTS EXPRESSING SAYING "YES!" TO ENGINEERING

LISTENING & LEARNING

97 Students Grade 8-12 10 Schools

Learners from Cape Town  
Hoërskool Swellendam Hoërskool Heidelberg  
Oakdale Landbou Swellendam Sekondêr  
Hoërskool Bonnievale Hoërskool Langenhoven  
Olyfkrans College Kairros Sekondêr  
Hoërskool Overberg