

ENGINEERING THE FUTURE

CESA JOB SHADOW INITIATIVE 2026



ABOUT THE DAY

On 22 July 2026, the SMEC Cape Town Young Professionals Forum proudly welcomed learners from Christel House for an immersive introduction to the consulting engineering profession. Throughout the day learners participated in technical presentations, explored different engineering disciplines during guided office tours, put their teamwork and creativity to the test in a tower building challenge, and concluded the experience with a site visit to one of Cape Town's landmark infrastructure projects. The initiative aimed to inspire curiosity, showcase real-world engineering and encourage the next generation of problem-solvers.

A DAY IN CONSULTING ENGINEERING



01

TECHNICAL PRESENTATIONS

Discovering the diverse disciplines within consulting engineering through engaging presentations from experienced professionals.



02

OFFICE TOURS

Exploring project teams, digital design tools and the collaborative environment behind engineering.



03

TOWER BUILDING CHALLENGE

Working in teams to design and construct the tallest free-standing tower, encouraging innovation, communication and creative problem-solving.



04

SITE VISIT

Experiencing engineering in action through a visit to a major infrastructure project and seeing how designs become reality.



The future

starts here.

Inspiring curiosity.

Building confidence.

Shaping tomorrow.



INSPIRE

Spark curiosity.



DISCOVER

Explore possibilities.



CREATE

Engineer solutions.



CONNECT

Build the future together.