



DELEGATE BIOGRAPHIES

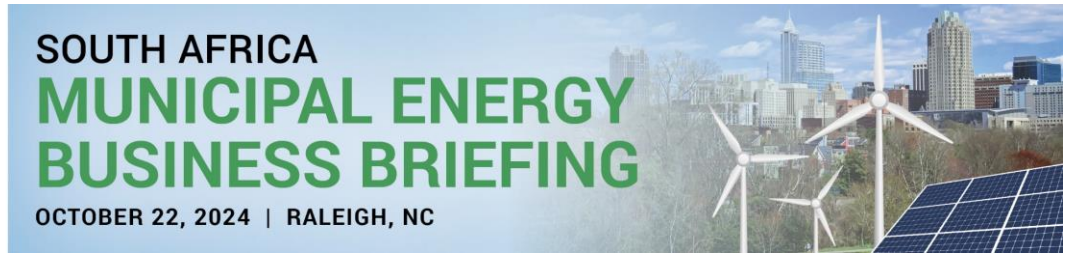
Colin Brentjies

*Director: Technical Services
eMalahleni Local Municipality*

Clifford Brian Brentjies serves as the Deputy Director: Technical Services at Emalahleni Local Municipality, located in Mpumalanga Province, South Africa. Emalahleni, known for its extensive coal mining industry and housing five major power stations, is a critical hub for energy production and infrastructure management. Clifford has been a key figure at Emalahleni Local Municipality since 1996, contributing significantly to the Technical Directorate. His current role involves overseeing diverse departments including Roads and Stormwater, Electricity, Water and Sanitation, and Building Maintenance. With a deep-seated expertise in energy management, Clifford is spearheading the establishment of the Municipality's Energy Department, focusing on developing and implementing innovative energy policies. His extensive experience spans project management, technical fault finding, and infrastructure optimization. Clifford has played a crucial role in enhancing the efficiency of municipal services and advancing infrastructure projects. His leadership in the development of energy sustainability initiatives and efficiency programs is complemented by his comprehensive knowledge of advanced energy technologies and their integration into municipal systems. Clifford's career is marked by his ability to drive strategic improvements, optimize resource utilization, and lead successful teams. His commitment to continuous learning and application of best practices ensures that Emalahleni Local Municipality remains at the forefront of technical excellence and sustainability



Organization Overview: Emalahleni Local Municipality's Technical Services Directorate manages extensive infrastructure assets and capital projects, focusing on improving service delivery and maintaining high standards across technical domains. The directorate oversees significant capital projects and maintenance programs, contributing to overall municipal development and sustainability.



Interests:

- Solar Power Generation
- Hydropower Generation
- Other Renewable Energy Generation Sources
- Supervisory Control and Data Acquisition (SCADA) Systems
- Advanced Metering Infrastructure (Ami)
- Other Data Monitoring and Management Technology
- AI Technology for Grid Optimization
- Energy Forecasting Tools
- Virtual Power Plants (VPP)
- Other Digitization Technology for Grid Optimization
- Smart Meters
- Microgrid Technology
- Energy Efficiency Technologies
- Economic Modeling Tools
- Innovative Energy Storage Solutions