

Kent Georgala *PrEng (RSA and NAMIBIA), PrCPM*

Curriculum Vitae

PROFILE

- Experienced Civil / Structural Engineering Consultant, Project Manager, Design Manager, Project Leader, Design Leader, Entrepreneur and Business Manager

PROFESSIONAL REGISTRATIONS

- Engineering Council of South Africa, Pr Eng: 850039
- Engineering Council Namibia: Pr Eng: PE2010-23
- Registered Professional Construction Project Manager: D/335/2005

PROFESSIONAL AFFILIATIONS

- Member of South African Institute of Civil Engineering (SAICE)
- Member of Engineering Council of Southern Africa (ECSA)
- Life Member of South African Society for Professional Engineers (SPE)
- Member of South African Institute of Steel Construction (SAISC)
- Member of SA Council for the Project and Construction Management Professions (SACPCMP)
- Member of International Association of Bridge and Structural Engineers (IABSE)

VISION

To utilize my vast project management, engineering and management skills within the consulting civil engineering and construction industries by starting, leading, growing and improving the profitability, performance and value of enterprises through improved processes and operational structures.

PERSONAL STATEMENT AND MOTIVATION

Highly experienced, qualified and competent Structural and Design Engineer, Consultant, Executive Project Leader and Manager with over 35 years' operational and senior management experience in managing multimillion dollar, multi-disciplinary capital projects.

Dynamic and results-driven, with a career distinguished by success through leadership in principal consultant and top level positions.

Strong track record in full cycle Project Management, Engineering Design, Design Management and Practice Management. Acumen extends to all aspects of structural engineering and civil infrastructural work from planning to implementation; community liaison and contract negotiation; professional practice management and business development throughout the SADC region and further afield in Africa.

Solid experience on a variety of projects ranging from shopping centers, commercial developments, township housing and industrial parks to pipelines, industrial plants, pump stations, public buildings, dams, weirs, roads, reservoirs, harbor development, wastewater and water treatment works.



PERSONAL DETAILS

Johannesburg, South Africa

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DOB: 30 October 1955

Nationality: South African

Languages: English and Afrikaans

PROFESSIONAL SKILLS

- Practice Management
- Procurement and project initiation
- Construction Management and Supervision
- Full Cycle Project Management
- Civil & Structural Engineering: Detailed Design Management
- Business Operations Management
- Cost Reduction and Risk Management
- Performance Management
- Negotiation and Contract Management
- Change Management
- Performance Management and Mentoring
- Structural Engineering: Project Design Leadership
- Structural Engineering: Conceptual Design
- Construction and Civil Infrastructural Work: Conceptual Design
- Strategic Planning
- Productivity Improvement
- Vision, Strategy, Execution and Leadership
- Team Building and Motivation

PERSONALITY TRAITS

- Proven problem-solving ability
- Assertive and goal orientated
- Self-motivated and passionate
- Highly innovative with lateral thinking ability
- Competent and effective
- Efficient and pragmatic

ACADEMIC QUALIFICATIONS

1979 **BEng V (Civil Engineering)**

University of Stellenbosch, South Africa

Several Continuous Professional Development certificates in areas of expertise

COUNTRY EXPERIENCE

South Africa, Angola, Botswana, Guinea, Ghana, Mozambique, Namibia, Sierra Leone, Swaziland, Zambia.

PROJECT HISTORY

2016 to 2017 SACPCMP Mentoring

Client: *i-Sizeze Africa*

Position: *PrCPM Mentor*

Description: *Mentoring of aspirant registered SACPCMP Project Managers for purposes of Professional Registration.*

2016 to 2017 LEAP School, Diepsloot, Johannesburg

Client: *Beyond The Line Marketing Interventions*

Position: *Project and Design Team Leader*

Description: *Structural Design and Detailing of New School Building and Project Management of unique 'rammed-earth' construction method and process.*

Associated

Consultants: *TVNA Consulting Engineers*

Project Value: *±R15m*

2016 NECSA Structural Evaluations

Client: *TVNA Consulting Engineers*

Position: *Structural Engineer/Team member*

Description: *Assessment/evaluation of existing structures for future upgrading.*

2016 Cochrane Fencing

Client: *TVNA Consulting Engineers*

Position: *Structural Engineer/Team Member*

Description: *Large-scale industrial security fencing – structural and drawing review*

2016 Assorted Structural evaluations and reports for failed industrial and domestic structures (16off)

Client: *TVNA Consulting Engineers*

Position: *Structural Engineer/Assessor*

Description: *Forensic Assessment of structural failures requiring rectification, for long-term structural integrity and durability*

2015 to 2016 Ericsson MTN 18-Month Project

Client: *TVNA Consulting Engineers*

Position: *Project Manager/Team Member*

Description: *New communications tower site assessments, design and implementation (Project put on hold).*

2015 Vodacom Structural Evaluations

Client: *TVNA Consulting Engineers*

Position: *Structural Engineer/Assessor*

Description: *Assessment of 100+ existing Vodacom antenna installations with structural upgrading recommendations for new antennas.*

2013 to 2015 Ingula Pumped Storage Scheme, KwaZulu Natal

Client: *ESKOM*

Position: *Design Manager*

Description: *Reinforced concrete and structural steel components of the main underground and above-ground works.*

Associated

Consultants: *Arcus Gibb (Pty) Ltd, SSI-DHV as the Braamhoek Consultants Joint Venture (BCJV)*

Project value: Approximate value of services – ZAR 2 billion

2010 to 2015 Main Road from Muizenberg to Clovelly Phase 3: Kalk Bay Harbour to Clovelly Road: Retaining Wall: Cape Town

Client: City of Cape Town

Position: Structural Design Leader

Description: Foundation and reinforced concrete design for retaining wall.

Project value: Construction value ZAR 25 million

Fee value ZAR 2 million

2010 to 2015 Neckartal Dam, Keetmanshoop, Namibia

Client: Ministry of Agriculture, Water and Forestry

Position: Structural Design Leader

Description: Reinforced concrete components of main dam and downstream outlet works and pump station including intake tower, side chute, outlet works, turbine room control room, apron, sediment trap and pump station.

Project value: Phase 1 – Fee value ZAR 18 million

Phase 2 – Fee value ZAR 88 million

2008 to 2014 Olifantsvlei Wastewater Treatment Works, Gauteng, South Africa

Client: Johannesburg Water

Position: Structural Design Leader

Description: New reactor structure and appurtenant structures including elevated aerator and mixer platforms, screw pump stations, clarifiers and flow divider, assorted concrete chambers and related concrete works.

Responsibilities: Responsible for the structural design for third phase expansion including reactor structure and appurtenant works.

Project value: Fee value ZAR 67 million

2008 to 2015 Kusile Power Station, Mpumalanga, South Africa

Client: Eskom

Position: Structural Design Leader

Description: Concrete headwalls for ash dump rail culverts and assorted other Kusile projects.

Responsibilities: Design of the ash dump rail culverts

Project value: Fee value ZAR 15.4 million

2007 to 2015 Rehabilitation of seven dams, Eastern Cape, South Africa

Client: Department of Water Affairs

Position: Structural Design Leader

Description: Design of spillway upgrades and appurtenant structures for 7 dams.

Responsibilities: Responsible for detailed design and structural drawings for dam-related structures.

Project value: Fee value ZAR 27 million

2007 to 2011 Northern Wastewater Treatment Works, Gauteng, South Africa

Client: Johannesburg Water (JV with Iliso Consulting and Turgis Ukhozi Consulting known as KITU Joint Venture)

Position: Civil and Structural Design Leader

Responsibilities: Civil and structural design for sludge drying beds, 100 x 33m storage shed and access roads.

Duration: 2 years

Project value: Fee value ZAR 80 million

2006 Sewage Treatment Works, Agostinho Neto University, Luanda, Angola

Client: Patterson Candy International
Position: Structural Design Leader
Description: Reinforced concrete design of new sewage treatment works and appurtenant structures.
Responsibilities: Responsible for reinforcement design and detailing of new sewage treatment plant (ADWF: 700m³/day) for Agostinho Neto University
Duration: 1 year
Project value: ± ZAR 7 million (construction value)

2006 Lumwana Copper Mine, Zambia

Client: Equinoz Minerals
Position: Engineer
Description: Investigation into the causes of tilting crusher structure and cracked mill structure and recommended solutions.
Responsibilities: Responsible for the investigation, report and recommendations on concrete quality and quality control measures for the crusher and mill structures at the new Lumwana Copper Mine in Zambia.
Duration: 1 year
Project value: USD 100 million (construction value)

2006 Khutala Coal Mine Fan Foundation, Mpumalanga, South Africa

Client: Khutala Coal
Position: Technical Manager
Description: Design and monitoring of the construction of a new fan foundation.
Responsibilities: Responsible for the detailed design and construction supervision of a new fan foundation for the aeration of Khutala Mine adjacent to Kendal Power Station.
Duration: 3 months
Project value: ZAR 300 000 (construction value)

2006 Kamsar Port, Guinea, West Africa

Position: Technical Manager
Description: Design and detail access roads and parking areas, including storm water provision.
Responsibilities: Responsible for access roads and parking area levels and associated storm water control system.
Duration: 4 months
Project value: USD 50 million (construction value)

2006 New 500 dia. Thaba Tshwane Pipeline, Gauteng, South Africa

Client: National Department of Public Works
Position: Design Leader for pipeline and valve chambers
Description: Design of 500 dia. steel pipeline and appurtenant structures, completed tender document and drawings.
Responsibilities: Design and implementation of new high pressure HDPE primary water bulk supply pipeline, at Thaba Tshwane (Pretoria).
Duration: 1 year
Project value: ±ZAR 40 million

2006 Villa Moria Guesthouse, Dullstroom, Mpumalanga, South Africa

Client: McLarens Young International
Position: Structural Engineer
Responsibilities: Responsible for the structural report, design and project management for remedial measures to wind-damaged historical building.
Duration: 8 months

Project value: ZAR 111 000

2005 to 2006 Villa de Sutene Township Development, Nelspruit: Phases 1, 2 and 3

Client: Trivenc Properties Development (Pty) Ltd

Position: Project Leader

Description: Civil and structural services for high-density housing development including design, documentation, drawings and site supervision.

Responsibilities: Project management.

Duration: 2 years

Project value: ± ZAR 100 million (construction value)

2005 Royal Swaziland Sugar Company, Simunye, Swaziland

Client: Royal Swaziland Sugar Corporation

Position: Project Leader

Description: Design of reinforced concrete support base for new Hilo Unloader.

Responsibilities: Managed the project in terms of structural investigation, design and project management for Hilo Unloader No 2 and No 1 Mill foundation structures.

Project value: ZAR 500 000 (construction value)

2004 Road P48/1: Bethal to Morgenzon, Mpumalanga, South Africa

Client: Department of Public Works, Roads and Transport

Position: Project Leader

Description: Design, documentation, drawings and supervision for road upgrade.

Responsibilities: Led the project for the reconstruction and upgrading of 31.9km of Road P48/1 between Bethal and Morgenzon in the Gert Sibande region.

Duration: 1 year

Project value: ± ZAR 87 million (construction value)

2004 PMC/FOSKOR Emergency Relocation of Reservoirs, Limpopo, South Africa

Client: Phalaborwa Mining Company (PMC)

Position: Project Leader

Description: Design and detail of 2 raw water and 2 potable water reservoirs and project management to completion.

Responsibilities: Led the investigation, design, implementation and management of 2 x 2.5Mℓ concrete potable reservoirs and 2 x 25Mℓ lined earthfill raw water reservoirs and associated pipework, roadworks, buildings and concrete structures.

Duration: 12 months

Project value: ZAR 24 million (construction value)

2008 Mbombela Solid Waste Landfill Site, Mpumalanga, South Africa

Client: Mbombela Local Municipality

Position: Project Leader

Description: Coordinated the design of new solid waste landfill site to RSA best practice standards including cell development, storm water and leachate control, entrance area and civil services, water supply, electricity supply, sanitation, access road and appurtenant works.

Responsibilities: Identification, site selection and permitting of new solid waste landfill site. Also managed the construction phase.

Duration: 15 months

Project value: ± ZAR 27 million

2004 Hoedspruit Air Force Base, Limpopo, South Africa

Client: National Department of Public Works

Position: Team Member
Description: Investigation into the water supply options and consultation with client
Responsibilities: Investigation and feasibility study for normal and emergency water supply options.
Duration: 4 months
Project value: ZAR 2 million

2004 **Royal Swaziland Sugar Company, Simunye, Swaziland**
Client: Royal Swaziland Sugar Corporation
Position: Project Leader
Responsibilities: Structural investigation and design for kicker knife structure.
Duration: 6 months
Project value: ± ZAR 200 000 (construction value)

2004 **Gwambe and associated dam spillways, Zambia**
Client: Zesco Zambia Electricity Supply Company
Position: Structural Design Engineer
Description: Design and detail reinforcement for 3 spillways.
Responsibilities: Responsible for the design
Duration: 6 months

2005 **Water Pump Station and Irrigation Canal Inlet, Mpumalanga, South Africa**
Client: Leopard Creek Country Club
Contact: R Fuls
Position: Project Leader
Description: Design and upgrade of raw water pump station and irrigation canal.
Responsibilities: Designed and provided consulting services for raw water pump station upgrading and irrigation canal inlet modification.
Duration: 10 months
Project value: ZAR 590 000 (construction value)

2005 **PPC Jupiter Works, Gauteng, South Africa**
Client: Pretoria Portland Cement (PPC)
Position: Structural Engineer
Description: Investigation and reporting.
Responsibilities: Responsible for the investigation and reporting on remedial measures for ageing structures.
Duration: 3 months
Project value: Fee value ± ZAR 20 000

2004 **Acid Plant Structural Modifications and Additions, Limpopo, South Africa**
Client: Phalaborwa Mining Company (PMC)
Position: Project Leader
Description: Acid plant modifications
Responsibilities: Structural modifications and additions
Duration: 6 months
Project value: ± ZAR 500 000 (construction value)

2004 **Mpumalanga Roads Network, Mpumalanga, South Africa**
Client: Mpumalanga Department of Roads and Transport
Position: Project Leader
Description: Compilation of road maintenance plan and remedial recommendations.
Responsibilities: Provided consulting services regarding optimisation of technical and budgeting requirements for the maintenance of provincial surfaced road infrastructure (±

7000km) in the Province of Mpumalanga.
Duration: 6 months
Project value: Fee value ± ZAR 300 000

2004 **Axis Industrial Park, White River, Mpumalanga, South Africa**
Client: Schormann Properties
Position: Project Leader
Description: Design, detail and construction supervision of 3 x 2000m² and 1 x 600m² industrial buildings using tilt-up technology, including tender documentation and drawings for platform preparation and civil services.
Responsibilities: Design Engineer and Project Leader for the application of state-of-the-art tilt-up technology for the construction of Phases 1 to 4 of prime industrial space (12000m²) at Rocky Drift in Mpumalanga along with the installation of the required civil services.
Duration: 8 months
Project value: ± ZAR 12 million (construction value)

2004 **Technical Support Services for large scale affordable housing construction, Mpumalanga, RSA**
Client: Department of Local Government and Housing
Position: Project Engineer and Chief Inspector
Responsibilities: Technical support services for large scale affordable housing construction in Mpumalanga: inspections, approvals and reporting in accordance with NHBRC requirements, for approximately 1000 low-cost houses.
Duration: 18 months
Project value: ± ZAR 30 million (construction value)

2004 **Primkop low cost housing development, Mpumalanga, South Africa**
Position: Project Leader and Design Engineer
Description: Design of complete civil services for new housing development for 350 stands.
Responsibilities: Responsible for all aspects of infrastructural development, including road access, streets, water purification, pump stations, water storage, water reticulation, storm water control and water borne sanitation for 1700 households.
Duration: 2 years
Project value: ± ZAR 4 million (construction value)

2002 **BP Komati Ultra City, Mpumalanga, South Africa**
Client: M Rocha
Position: Project Leader and Design Engineer
Description: Designed new Ultra City complex, including all civil services and structural design.
Responsibilities: All aspects of civil and structural requirements, including water supply, sewage treatment and disposal, storm water control, structural steel and concrete structures
Duration: 18 months
Project value: ±ZAR 15 million (construction value)

PROFESSIONAL HISTORY

2016 – Present Omega Pinnacle Investments (OPI) (Pty Ltd
Director/Chairman (Bryanston)

2015 – Present Omega Consulting Africa (OCA) (Pty) Ltd
Managing Director/Owner (Bryanston)

2013 – 2015 Knight Piésold (Pty) Ltd - **Section Manager-Structures (Rivonia)**

2008 - 2013 Knight Piésold (Pty) Ltd - **Regional Manager (Mpumalanga and Mozambique)/Head: Structures**

2006 - 2008 Knight Piesold (Pty) Ltd – **Director/Regional Manager: Mpumalanga and Mozambique**
2002 - 2010 KKM Consultancy – **Technical Director/Managing Director**
2002 - 2005 Knight Piesold (Pty) Ltd – **Regional Manager: Mpumalanga**
1996 - 2002 Kentcor (Pty) Ltd, Nelspruit: **Managing Director**
1993 - 1996 Van den Berg & Partners, Nelspruit – **Associate Director / Design Engineer**
1989 - 1993 Kent Georgala Consulting Engineers, Nelspruit – **Principal Professional Engineer**
1984 - 1989 SKC Inc Consulting Engineers, Nelspruit and Pretoria – **Director / Design Engineer**
1982 - 1983 Murray & Roberts Engineering – **Site Engineer and Project Engineer**
1981 SAR Reef Construction, Johannesburg – **Assistant Resident Engineer**
1980 SAR & H, Johannesburg – **Assistant Design Engineer**

REFERENCES

Available upon request