

A FIFTH DIMENSION TO ENGINEERING



Element Consulting Engineers

Company Overview

Element Consulting Engineers, (Registration No 2002/444) is a multi-disciplinary Consulting Engineering firm established in 2008. The company is young and dynamic and with an average age of 33 years old for all its employees it is evident that since 2008 mostly young engineers were appointed. They were being mentored and trained to become Professional Engineers and most were now ready to become the new Shareholders and young Management team for Element. Our head office is in Windhoek, with an office in Ongwediva and the recently opened office in Swakopmund that will serve the Coastal/Erongo region.

Element Consulting Engineers is active in the fields of civil, water and sanitation, township and municipal engineering, roads, structural, mining infrastructure, electrical and mechanical engineering, as well as project management and property development.

- 40% PDP Management
- Staff Complement of 35 of which 30 are Namibian
- Engineering Bursary Scheme since 2008
- Joint-Ventures and Technical Exchange with Consulting Firms owned by Previously Disadvantaged Namibians.
- Corporate Social Responsibility projects

The Company strives to achieve excellence in all the services it provides and to provide meticulous attention to detail whether projects are large or small. It is an independent company with no obligations to or ties with any commercial concern which could influence the professional judgement, recommendations or decisions given by the Company.

Associations

Our personnel are members of a variety of professional and voluntary associations, including the following:

- Engineering Council of Namibia (ECN)
- Engineering Council of South Africa (ECSA)
- South African Institution of Civil Engineers (SAICE)
- Association of Consulting Engineers Namibia (ACEN)
- Engineering Professions Association Namibia (EPA)

Shareholding Structure



The company is 100% Namibian owned, with PDP management at 40%.

Roads & Transport Department

Batch Loffie- Eaton *Pr. Eng. B. Eng. Civil*, specializes in Road planning and traffic engineering after the extensive experience he obtained working several years for the Road Fund Administration and City of Windhoek.

Hentie Kotze *Pr. Tech NDIP Civil*, Director for the Northern office, has more than 20 years of experience in the design, construction and project administration of road construction projects, gaining expertise as an engineering Technician at the Department of Transport of the Ministry of Works, Transport and Communication of Namibia.

Clinton Payne *Pr. Eng. B. Eng. Civil*, has extensive experience in contract management, administration and construction supervision.

Peet Bezuidenhout *Pr. Eng. B. Eng. Civil*, registered as Professional Engineer for more than 10 years and has extensive experience in contract management, administration and construction supervision.

Paulus Shalongo *Pr. Eng. In-training B.Eng. Civil*, is a past recipient of the Element Bursary scheme and was enrolled in Element's training and mentorship program. He will be able to register as Pr. Eng. soon and has gained valuable experience in contract management, administration, design and construction supervision.

Louis Botha *Eng. Tech in-training NDIP Civil*, is a very capable engineering technician with extensive experience in construction supervision and contract administration.

Salomon Hangula *Pr. Tech NDIP Civil*, has extensive experience in construction supervision and contract administration.

Herman Mostert *B.Tech Civil, B.Sc Hons. in Transportation Planning*, is currently responsible for the contract administration of the Reseal of the Namibian road network and has extensive experience in contract administration, construction supervision, laboratory testing and management.

Junias Set *Pr. Eng. In-training B.Eng. Civil*, has gained valuable experience in contract management, administration, design and construction supervision since he joined Element and will be able to register as Pr.Eng. soon.

Travolta Shifugula *Pr. Eng. In-training B.Eng. Civil*, is currently busy with his M.Eng in Transportation engineering and is passionate about developing innovative techniques for the road engineering industry.

Scope of Services Offered

We are proud to offer the specialist services of our knowledgeable team with extensive experience in the following fields:

- Materials Investigations
- Visual condition Surveys
- Geometric Design
- Pavement Design

- Drainage Design
- Contract Management and Administration
- Feasibility Studies

These services are offered in respect of the following:



Key Personnel



Batch Loffie-Eaton

Director: Civils dept.
B.Eng. (Civil)
PE95005



Hentie Kotze

Director: Roads and
Transport
NDip. Civil Engineering
ET2010-5



Paulus Shalongo

B.Eng. (Civil)
PE2015-40 (TR)



Clinton Payne

B.Eng. (Civil)
M.Eng. (Transportation)
PE2012-24



Peet Bezuidenhout

B. Eng. (Civil)
PE2014-18



Junias Set

B.Eng. (Civil)
PE2015-34 (TR)



Travolta Shifugula

B.Eng. (Civil)
PE2016-30 (TR)



Herman Mostert

B.Tech (Civil)
IE2016-8 (TR)



Salomon Hangula

NDIP Civil
ET2016-1



Louis Botha

NDIP Civil Engineering
ET2010-31 (TR)

Extract of recent projects

Element Consulting Engineers Namibia has been involved in a number of transportation projects in Namibia, some of these are listed below:

Network Planning and Road Management Systems:

- Medium to Long Term Roads Master Plan for Namibia
- Flooding Study for the North Central Regions
- Road Referencing System (RRS) Manager
- Development of the Maintenance Management System (MMS)
- Development of the Network Integration Model (NIM)
- Visual Assessment of all the Surfaced Roads in Namibia (PMS) (6500 km's from 2009 – 2014)
- Visual Assessment of all the Gravel Roads in Namibia (URMS) (39 000 km's in 2012& 2013)

Maintenance:

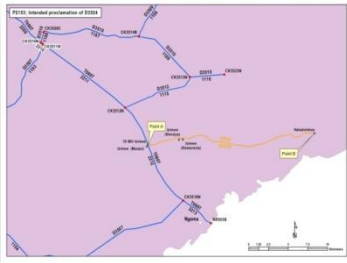
- Low level Bridge over the Fish River on DR212
- Contract documentation and Supervision of the Surfacing contracts for the whole Namibian Road Network (N\$780m 2012-2014)

Construction and Rehabilitation:

- TR14/2, Otjinene to Grootfontein, Upgrading to Bitumen Standards (220 km)
- D3603, Onayena to Okankolo, Upgrading to Bitumen Standards (27 km)
- D3615, Oshikuku to Onamutuku, Upgrading to Bitumen Standards (15 km)
- MR121, Oshigambo to Eenhana, Upgrading to Bitumen Standards (48 km)
- D3668, Okalongo to Wa Kashamane, Upgrading to Bitumen Standards (7 km)
- MR113, Oshikuku to Okalongo, Upgrading to Bitumen Standards (26 km)
- MR114 & D3831 Epukiro, Eiseb, Gam, Upgrading to Gravel Road (235 km)
- D3660, Omangongati, Labour based Construction to Gravel Road (11 km)
- D3642, Okahao to Outapi, Labour based Construction to Gravel Road (46 km)
- D3643, Ekamba to Onkani, Labour based Construction to Gravel Road (55 km)
- D3653, Oshikuku to Ekangolinene, Labour based Construction to Gravel Road (46 km)
- D3681, Epato to Onaushe, Labour based Construction to Gravel Road (36 km)
- D3683, Uukwiwuushona to Omuntele, Labour based Construction to Gravel Road (46 km)
- D3683, Omuntele to Amilema, Labour based Construction to Gravel Road (36 km)

Areas of Expertise

Network Planning and Road Management Systems:



Maintenance Management of the Road Referencing System & GIS Network: Project managers for the capturing & manipulation of all road characteristics & definitions into an integrated roads database and the subsequent maintenance of the system



Visual assessment of the surfaced & unsurfaced road network in Namibia
Consultancy services for the visual assessment of approximately 6000km of surfaced and 38 000km of unsurfaced road network in Namibia, compiling photos and data in a report to the Roads Authority. The project also included the training of 8 trainee visual assessors from previously disadvantaged backgrounds



Consulting services for the Study of Flooding on proclaimed roads in North Central Namibia: Project engineers for the investigation of the extent of damage to roads and compilation of implementation report with findings and recommendations.

Maintenance:



Consulting services for the Construction of MR114, DR3831, and DR3832 (Epukiro, Gam, Eiseb) gravel roads in Omaheke region includes Design, Contract Administration and during construction.



Resurfacing of the Entire Road Network:
Contract documentation and Supervision of the Surfacing contracts for the entire Namibian Road Network (N\$780m over three years).



Construction and Rehabilitation:



Consultancy Services for DR3603 and DR3615: Consultancy services for the detail design, contract management and supervision of upgrade of road DR3603 and DR3615 to bitumen standards (Onayena to Okankolo and Onamutuku to Oshikuku).



Detail design of D3611
Project Engineers for the detail design, contract management and supervision for the upgrading to Bitumen standards of D3611 (Oshikuku to Okalongo).



DR3642 & DR3643 (Okahao to Outapi & Ekamba to Onkani): Project Engineer for the design, contract management and supervision of Labour Based construction of Roads D3642 & D3643 & D3660 (Okahao to Outapi & Ekamba to Onkani), using Labour base methods and SMME contractors. (N\$60 million)

Contact Us

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