



# Company Profile



**DAVENG**  
Consulting Engineers

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# Introduction

*“Engineering is not merely knowing and being knowledgeable, like a walking encyclopaedia; engineering is not merely analysis; engineering is not merely the possession of the capacity to get elegant solutions to non-existent engineering problems; engineering is practising the art of the organised forcing of technological change. Engineers operate at the interface between science and society.”*

Dean Gordon Brown (Engineer and author)

South African society is going through a process of economic and social redress. To accomplish this ideal, the country has to embark on infrastructure development and housing.

Government is currently addressing the aspect of black economic empowerment and sustainable social development. The country needs companies with expertise and competence in engineering and technology, i.e. competent black professionals in these fields who own businesses and deliver a quality service in a competitive market.

Daveng Consulting Engineers is a black economic empowerment civil engineering firm in Cape Town that specialises in roads, including rural road construction and routine road maintenance, as well as infrastructure development, project management and labour-intensive construction.

Daveng has extensive experience in working with the Expanded Public Works Programme (EPWP), thereby contributing to job creation and community upliftment. Moreover, Daveng aims to undertake projects in collaboration with communities in order to meet their needs and aspirations, provide employment opportunities and contribute to the overall development of South Africa.

# Company aims

*“It is a paradoxical but profoundly true and important principle of life that the most likely way to reach a goal is to be aiming not at that goal itself but at some more ambitious goal beyond it.”*

Arnold Toynbee (English historian and philosopher)

## Vision

Daveng provides professional engineering services that promote sustainable growth and development in the context of emerging challenges in South Africa.

## Mission

Daveng aims to undertake projects in collaboration with communities in order to meet their needs and aspirations, and provide employment opportunities while delivering solutions that are professional, in accordance with international standards and that are not harmful to the environment.

# Background

*“Engineering is the art of organising and directing men and controlling the forces and materials of nature for the benefit of the human race.”*

Henry G. Stott (Engineer and author)

Founded by experienced civil engineers Jeff Daniels and Ronald van Dijk in September 2004, Daveng Consulting Engineers is a black economic empowerment company that boasts strong engineering and technical competencies. Providing a sustainable working environment, Daveng’s staff members receive continuous training and the company stays up to date with the latest technologies.

Working hand in hand with the Expanded Public Works Programme (EPWP), Daveng contributes to job creation and community upliftment. By taking on projects in collaboration with communities, Daveng creates employment opportunities and contributes to the overall development of South Africa.

Daveng is a member of Consulting Engineers of South Africa (CESA) and subsequently commits itself to their rules and code of conduct. The firm offers clients professional indemnity and is registered with the Engineering Council of South Africa (ECSA) and the South African Institute of Civil Engineering (SAICE), thereby ensuring that its employees are fully recognised as engineering professionals, both locally and internationally.

The Daveng team is imbued with providing service through integrity, thereby promising quality and trust. Daveng strives daily to provide solutions that are professional, in accordance with international standards and that are not harmful to the environment. While Daveng is fully equipped to take on large-scale projects, personal attention is paid to each client.

# Infrastructure

*“Even in such technical lines as engineering, about 15% of one's financial success is due one's technical knowledge and about 85% is due to skill in human engineering, to personality and the ability to lead people.”*

Dale Carnegie (Writer and lecturer)

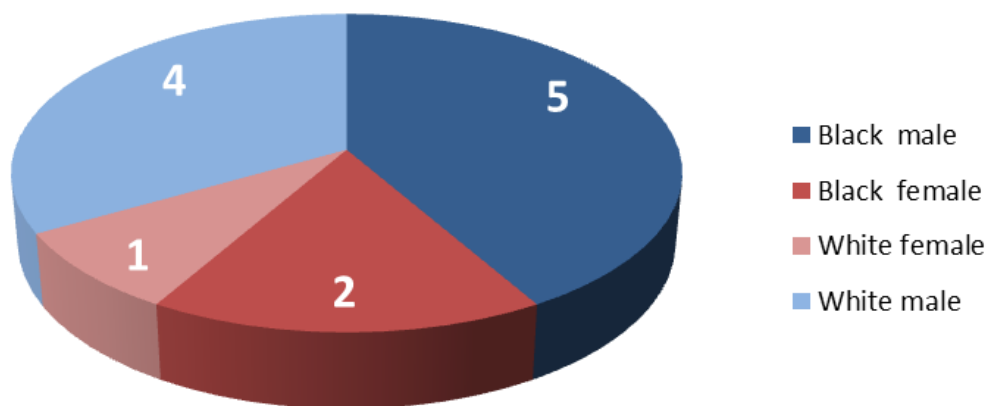
## Shareholders

The current shareholders are the company's founders, Jeff Daniels, who owns 90% of the company, and Ronald van Dijk, who owns the remaining 10%.

## Staff composition

Daveng is 90% black-owned and headed by professionals who subscribe to the principles of employment equity in South Africa.

Daveng has a dynamic and highly competent team, comprising nine men (five black and four white) and three women (two black and one white).



***Daveng's staff composition***

## Key personnel

### Jeff Daniels

Jeff Daniels is a professional technologist and co-founder and owner of Daveng Consulting Engineers.

After studying BTech Civil Engineering at the Cape Peninsula University of Technology (formerly known as the Cape Technikon), Jeff completed a B Eng degree in International Civil Engineering Management at Hanze Hogeschool in Groningen, Netherlands.

Subsequently, he was registered with the Engineering Council of South Africa (ECSA) as a Professional Engineering Technologist (Pr Tech Eng).

Jeff is a civil technologist with more than 14 years' experience in consulting engineering and has been responsible for Daveng's civil engineering infrastructure design as well as project facilitation, since starting the company in 2004. His expertise lies in planning and designing municipal infrastructure, roads, bulk sewers, water, stormwater and labour-intensive projects (EPWP).

### Ronald van Dijk

After studying B-Tech Civil Engineering at the Cape Peninsula University of Technology (formerly known as the Cape Technikon), Ronald van Dijk completed a B Eng degree in International Civil Engineering Management at Haze Hogeschool in Groningen, Netherlands.

He was subsequently registered with the Engineering Council of South Africa (ECSA) as a Professional Engineering Technologist (Pr Tech Eng) and with the South African Council for the Project and Construction Management Professions (SACPCMP) as a Professional Construction Project Manager (Pr CPM).

Since Daveng started operating in 2004, Ronald has been responsible for contract administration and office administration. He is a civil technologist with more than 16 years' experience in consulting engineering. He has extensive experience in the management of civil engineering projects, including road construction, civil services, bulk civil services, sewer outfalls, and pump stations, water reticulation and purification plants, bulk stormwater and detention ponds, low cost housing, rehabilitation of roads and labour-intensive projects as part of the Expanded Public Works Programme (EPWP).

## Charl du Plessis

Charl du Plessis has a National Diploma for Technicians in Materials as well as Chemistry. He is a member of the South African Association of Registrable Engineering Technologists (SAARET), as well as the Institution of Material Technicians.

Charl joined Daveng Consulting Engineers in October 2006 and is responsible for the management of the routine road maintenance projects (as part of the EPWP) for the District Roads Engineer (DRE) in Oudtshoorn. He is a civil technologist with more than 35 years' experience in planning and managing road construction and maintenance projects for local government.

## Ntombodumo Malgas

Ntombodumo Malgas holds a National Diploma in Civil Engineering from the Cape Peninsula University of Technology and a B Tech Degree in Urban Engineering at the same institution.

Ntombodumo joined the Daveng-team in November 2005. As a civil engineering technician, she is responsible for contract supervision.

## Ronald Booysen

Ronald Booysen holds an N4 Certificate in building construction from Athlone Technical College and a National Diploma in Civil Engineering from the Cape Peninsula University of Technology. He is currently studying towards his B Tech degree.

Having joined the Daveng team in 2006, Ronald, who is a senior roads technician, is responsible for contract administration and performing the documentation for routine road maintenance contracts.

## Desmond Sonaba

Desmond Sonaba has a National Diploma in Civil Engineering from the University of Johannesburg. Moreover, he is a member of the Engineering Council of South Africa (ECSA) as well as the South African Institution of Civil Engineering (SAICE).

Desmond started working at Daveng in April 2009. He has three years' civil engineering and two years' construction experience and is responsible for computer-aided drafting and design.

## Peter Nel

Peter Nel has a National Diploma in Civil Engineering from the Cape Peninsula University of Technology and will be completing his B-Tech degree in Urban Engineering this year.

Since joining Daveng Consulting Engineers in March 2005, Peter has been responsible for design, drafting and supervision.

## Resources

At Daveng, only the best equipment and latest technology is good enough. The company currently makes use of various computers and printers, a Design Jet 500 Plotter as well as Autocad 3D, Caddie, Model Maker, Road Maker, Pipe Maker, EPANET, SWMM5, Bill and MS Projects software.

# Expertise

*“Engineers participate in the activities which make the resources of nature available in a form beneficial to man and provide systems which will perform optimally and economically.”*

L. M. K. Boelter (Engineer and author)

With its founders having more than 30 years' combined experience and highly skilled staff members, Daveng offers an array of engineering services and can handle projects of any size. Whether clients require infrastructure, project managers, labour-intensive construction or non-motorised transport facilities, Daveng offers services that are of the highest quality. The company has access to expertise in structural, electrical and mechanical engineering, as well as land surveying, geotechnical investigations and other specialist services that may be required.

## Municipal infrastructure

Daveng's services include the design, documentation, contract administration and supervision of municipal infrastructure projects which include bulk earthworks, roads, sewer reticulation, water reticulation, roads, stormwater drainage, community based construction and liaising with local community.



## Labour-intensive construction methods

Daveng implements labour-intensive design methods, manages labour-intensive projects, liaises with local communities regarding the labour needs for construction projects and does the contract documentation for labour-intensive construction methods.

## Roads infrastructure

Daveng designs, does the tender documentation for, administers and supervises the construction of paved or gravel roads. The company's services include road rehabilitation, road system design (geometric design), pavement design, soil engineering, organising construction equipment, transport system management, community-based construction and liaising with local communities.



## Non-motorised transport facilities

Daveng does the conceptualisation, design, documentation and supervision of non-motorised (NMT) facilities as well as community-based construction.

## Water and sanitation

Daveng's services include evaluating resources as well as designing and implementing pipelines, pump stations and water treatment works. The company also performs the design and implementation of low-cost sanitation, sewer pipelines, pump stations and sewerage treatment works.



## Stormwater

Daveng does stormwater modelling and flood attenuation, determines flood lines, performs erosion protection measures as well as designs and implements hydraulic structures, culverts, canals and bridges.

## Project management

Daveng does the contract administration and quality assurance of various civil engineering projects. The company performs pre-feasibility and feasibility studies, project planning as well as site management and supervision. Daveng also does materials control, financial control and project commissioning.



## Key project experience

| DATE     | PROJECT DESCRIPTION  | LOCATION                    | CONTRACT VALUE |
|----------|--|-----------------------------|----------------|
| *2009/10 | Various empowerment impact assessments for the Department of Public Works' EPWP branch | Western Cape                | R500 000       |
| *2009/10 | City-wide NMT facilities for the northern region                                       | Cape Town - northern region | R50 000 000    |
| 2009/10  | Contermanskloof trunk water main, Phase 2 (JV with Mc Gill Consulting)                 | Parklands                   | R20 500 000    |
| *2009/10 | Civil services for Rondevlei   | Lavender Hill               | R6 000 000     |
| *2009    | Big Lotus River NMT facilities   | Guguletu                    | R9 000 000     |
| *2009    | Nonqubela NMT facilities   | Khayelitsha                 | R15 000 000    |
| 2009     | Contermanskloof trunk water main, Phase 1 (JV with Mc Gill Consulting)                 | Parklands                   | R24 000 000    |
| 2007/08  | Dennehoek, 315mm rising main in Somerset West (315mmØ)                                 | Somerset West               | R1 800 000     |
| 2007/08  | Somerset West bulk water link (600mmØ)   | Somerset West               | R5 300 000     |
| *2007/08 | Upgrading roads and stormwater in Heideveld  | Heideveld                   | R5 000 000     |
| *2006/07 | Hazel Road NMT facilities  | Athlone                     | R3 400 000     |
| *2006/07 | Upgrading roads in Graafwater  | Graafwater                  | R 2 500 000    |
| *2006/07 | Routine road maintenance in Murraysburg  | Murraysburg                 | R6 511 500     |
| *2006/07 | Routine road maintenance in Beaufort West  | Beaufort West               | R2 352 335     |

|          |   |              |             |
|----------|---|--------------|-------------|
| *2006/07 | Routine road maintenance in Oudtshoorn                      | Oudtshoorn   | R2 732 000  |
| *2006    | Upgrading roads and stormwater in Manenberg                 | Manenberg    | R14 000 000 |
| *2006    | Upgrading roads and stormwater in Heideveld                 | Heideveld    | R15 000 000 |
| *2005    | Upgrading roads and stormwater in Guguletu, Phase 4B        | Guguletu     | R7 500 000  |
| *2005    | Upgrading roads and stormwater in Guguletu, Phase 4A        | Guguletu     | R6 800 000  |
| *2005    | Upgrading roads and stormwater in Hanover Park,<br>Phase 1A | Hanover Park | R4 000 000  |
| 2005     | Extension of Ravensmead Industrial Park                     | Ravensmead   | R1 200 000  |

\* Indicates EPWP projects

# Social responsibility

*“Engineering is a great profession. There is the satisfaction of watching a figment of the imagination emerge through the aid of science to a plan on paper. Then it moves to realisation in stone or metal or energy. Then it brings homes to men or women. Then it elevates the standard of living and adds to the comforts of life. This is the engineer's high privilege.”*

Herbert Hoover

Daveng believes in community upliftment and is therefore involved in various corporate social investment (CSI) activities:

- **Parkfields Primary School**

Daveng donated their expertise to Parkfields Primary School in Hanover Park to upgrade their sports grounds. This included building a tennis court, soccer field and netball court.

- **Murraysburg Primary School**

Daveng made a donation to Murraysburg Primary School for their soccer and rugby jerseys.

- **Basket of Hope Charity**

Daveng annually donates to Basket of Hope, which is a charity organisation supporting underprivileged children.

## Contact details

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# Appendices

## Appendix A: Professional indemnity



## Appendix B: BEE scorecard



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