

Nick Oosthuizen

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Personal detail

Name	Nicolaas Josephus Oosthuizen
Languages	English and Afrikaans
Gender	Male
Date of birth	20 October 1954
Nationality, ID	South African, 5410205068089
Physical address	1 Kleine Paradys, 13 Paradyskloof Road, Stellenbosch
Postal address	Republic of South Africa, PO Box 12398, Die Boord, 7613
Cell number	+27 82 558 5242
E-mail address	nick@inframid.co.za
Marital & family status	Married with three children born in 1985, -86 and -90.
Condition of health	Excellent, high degree of fitness and non-smoking
Valid drivers licence	South African, code A1 and EB
Community roles	<p>Community work: Assisted the joint communities of Tembisa and Kempton Park (KEMPBISA) with the preparation of a business and project definition for a community based project to care for terminally ill people, focussing on especially Aids cases.</p> <p>Community association: Represented the local community at the Transitional Forum of Centurion and the Demarcation Board of Pretoria (1993-1995).</p> <p>School Leader and part-time leadership roles in work and church activities.</p> <p>Chairman of Parent Teachers Sport Association at Waterkloof High.</p>
Other interests	Writing, brick making, building work, chess, golf, road running, woodwork, reading, swimming, gardening and model aircraft.
Key qualifications	<p>Member Project Management South Africa (1995)</p> <p>Member South African Institute of Electrical Engineers (1981)</p> <p>Professional Electrical Engineer (1981)</p> <p>Electrical Engineer's Certificate of Competency (1981)</p> <p>B Eng (Electrical) (Cum Laude) (1977)</p>

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Qualifications

Key qualifications

After graduating with distinction at the end of 1976, I registered as professional electrical engineer and obtained the Electrical Engineer's Certificate of Competency in 1981. Joining Project Management South Africa in 1995, my career developed into professional project and program management combined with engineering business development and design.

Over a period of 35+ years I developed:

- The ability to manage the detail planning, procurement and implementation of public infrastructure and building programmes, satisfying feasibility criteria, both in developed and developing environments;
- The skills and ability to manage multidisciplinary development programmes and projects, including the appointment and coordination of appropriate consultants and contractors for multidisciplinary projects;
- Experience in the evaluation and realisation of engineering projects and business ideas; and
- Skills in the development and implementation of bankable business plans for infrastructure and building projects aimed at financiers such as DBSA, IDC, KFW, AFD and Commercial Banks.

The above qualifications are exercised with an urge to transfer know-how as part of the ongoing development processes.

Education

<i>Institution</i>	<i>Dates</i>	<i>Qualification</i>	<i>Major subjects</i>
University of Pretoria	1973 - 1976	B Eng (Elec) (Cum Laude) 30 Mar 1977	Electrical Engineering subjects: Factory Law, Control systems, Electronics, Laboratory design, Electrical machines, Electronic design, Power systems, Electrical networks, Telecom linear systems, Instrumentation, Project management, etc.
Technikon Witwatersrand & Telkom Training Centre	1972	Certificated Technician D1 and D2	Telecommunications, Electrical, Physics, Mathematics, Logic techniques, Practical training, etc.
Kensington High School	1971	Grade 12 5-year 100% attendance	Mathematics, Science, Wood & Metalwork, English language, Afrikaans language, German language.

Professional registrations

<i>Qualification</i>	<i>Association or Institution</i>	<i>Year</i>
Professional Engineer (Reg. No. 810296)	Engineering Council of South Africa (ECSA)	1981
Electrical Engineer's Certificate of Competency (Reg. No. 1041) Studied through Technikon Witwatersrand	Department of Manpower Utilisation South Africa	1981
Graduate Member SAIEE	South African Institute of Electrical Engineers (SAIEE)	1981
Member PMSA (Reg. No. 260)	Project Management South Africa	1995
Installation Electrician Certificate of Registration with no restrictions (Reg. No. 12094)	Department of Manpower Utilisation South Africa	1986

Other courses attended and lectured

<i>Institution</i>	<i>Course</i>	<i>Year</i>
BNDC Training	Business Planning	2004
University of Pretoria as lecturer	Lecture Project and Business Management at final year engineering level, including: Project management, General management, Organisational behaviour, Negotiation and Business ethics	2002 & 2003
University of South Africa : School of Business Leadership	Project Management short course covering: Principles of project management, Project planning and control, Law of contract, Negotiation for climate	1992
Telkom Management Development Centre	Participation in management development program both as trainee and trainer	1986
Department of Defence	Candidate officer training, Officer and command training, Command and control systems & procedures, Tactical equipment & procedures	1984
Technikon Witwatersrand as lecturer	Part-time Industrial Electronics lecturer to final year diploma students	1982
Telesciences USA	Telephone billing analysis (SRS-2030)	1980
Telkom College	Stored Program Control	1980

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Typical projects

- Detail planning and implementation of electricity supply and distribution systems for educational, legislative and health installations for the former Department of Development Aid.
- As Chief Electrical Engineer responsible for the development on a national level of electrical transmission, specialised power supply, power generation and building electrical systems for the former Department of Posts and Telecommunications (Now Telkom SA).
- Strategic planning, project evaluation and bridging management of the Palace of the Lost City electrical and communications contract for General Electric Company SA (USD 9,3m).
- Detail planning, procurement and implementation of pumping and control systems for the Kangwane water supply, purification and distribution plants.
- Detail planning, procurement and implementation of pumping and control systems for the Verdrag Dam water supply, purification and distribution plant.
- Building intelligence (automation) and energy management systems for offices and homes.
- Various township and housing electrification projects.
- Planning and implementation of specialised accommodation and power supply facilities for Telkom, Bop and Swaziland Posts and Telecommunications.
- Detail planning and implementation of electricity supply and distribution systems for Police and Defence installations for the Department of Public Works.
- The restructuring of the electrical and mechanical engineering functions to integrate with other disciplines in the former South African Department of Development Aid. Done with the emphasis on coordinated needs analysis, project definition, design, procurement and project implementation.
- The promotion and implementation of mechanisms for an integrated project team approach in the development programmes of the South African Department of Public Works.
- Establishment of mCel, the Mozambican cellular service. This included preliminary business planning, procurement of partners and vendors, the setting up of the joint venture company and program management for Telecomunicações de Moçambique (TDM).
- Assistance to Vodacom International with the business and technical planning, and the successful application for a GSM cellular licence in Mozambique.
- Management support to TDM for the pre-feasibility, detail planning, mobilisation of joint DBSA and KFW funding and implementation of the submarine cable project between Maputo and Beira (± 1000 km).
- Technical and financial monitoring of the implementation of the new transmission link and power supply system project between Maputo and South Africa for the Development Bank of Southern Africa and TDM.

- Project and financial management of the Bop National Telecom Development Programme Phase 6 for 32'000 lines, covering 22 towns (exchange areas) (USD 48m).
- Project proposal and feasibility study for the Bop National Telecom Development Programme Phase 7, covering 13 towns (exchange areas) (budget USD 90m).
- The planning and implementation of rural telecommunications development projects in Kudumane (Northern Cape) serving 32 villages (USD 2,8m). This included the involvement of rural communities on all levels (political and tribal) in defining the projects. One of the first in SA to implement the containerised telephone bureau & post office system, creating sustainable telecommunications in rural areas.
- Assistance to a South African black empowerment consortium with the preparation of an application for a 19% equity stake in the Second National Telecom Operator in South Africa.
- Mobilisation of project funding and planning of a rural telecommunications development programme for Telecomunicações de Moçambique (TDM) (USD 35m).
- Mobilisation of project funding and export coordination contracts from RSA for telecom deployment in the Democratic Republic of Congo for SAIT Radio-Holland (USD 20m).
- Technical and financial monitoring of the Bop National Telecom Development Programme Phase 5 - Projects 1 & 2 for 12'000 lines, covering 11 towns (exchange areas) for the Development Bank of Southern Africa (USD 25m).
- Management support with the export of SDH microwave cross-border radio equipment for Siemens Limited.
- Management support to TDM with mobilising funds and planning of a VSAT deployment programme for Mozambique.
- The provision of main events civil and telecom facilities integrated into medium-term planning of the Sun City and Lost City telecommunications facilities (R 2,5m).
- Tourism business development for the ATKV.

The telecom projects mentioned above include all the components of those projects, such as funding structures, financial management, the various elements of telecom systems, specialised electrical systems, civil works, building works and liaison and coordination with local authorities in respect of public service provision.

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Career synopsis

An engineering degree was obtained cum laude at The University of Pretoria in 1976 and registration as Professional Engineer took place in 1981 under the mentorship of the then South African Department of Post and Telecommunications (now Telkom SA Ltd). During this period I accrued widespread experience in the planning and management of all the domains of public and private infrastructure development programmes.

After serving fifteen years with the South African Department of Post and Telecommunications until 1987 and leaving from the position of Deputy Director, the partnership NJ Oosthuizen and Associates, now Inframid (Pty) Ltd, was established with the vision to provide design and management consulting services to Southern African infrastructure and services development organisations in the design and development of their engineering business and deployment programmes. These organisations include community development institutions, public works departments, telecommunications operators, water utility companies and property development organisations. The partnership was transformed into Infraconsult (Pty) Ltd in September 1991, which I served as Chairman and Managing Director until 2001.

During September 2001 I sold my interests in Infraconsult with the objective to focus on Inframid, our anchor family business and to apply and transfer the valuable experience that was gained in the corporate environment.

My engineering, business and project development skills have since 2006 been applied in the application of electrical engineering, energy management, building intelligence, the tourism industry with the ATKV, business development projects and writing home ownership publications. I will further apply my engineering skills in the electrical and project management consulting environment.

During my career, both as executive officer and consultant, I played a leading role in the establishment of corporate service provision businesses as well as the detail planning, establishment and management of multidisciplinary private and public infrastructure development programmes.

In Inframid we have an absolute passion to effectively manage large and small projects to primarily fulfil needs and create viable engineering based businesses, irrespective whether it would be for a client or for ourselves.

Within Inframid we have a vision to transfer our knowledge base along with the expertise and experience of associated partners to people across the globe, building up long standing business and property investments of their own. For this reason we have established a web portal of home ownership publications, assisting people to benefit from our experience on major projects, as well as from the experience and expertise of our associates.

I headed the Directorate Engineering and Technical Services of the Department of Health, Western Cape for a short period until I had to resume my duties as director in Inframid.

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Employment historyEmployment 1 (Inframid)

Dates	20 Sep 2001 - Present
Companies	Inframid (Pty) Ltd, a family business and ATKV
Positions	Shareholder and Managing Director of Inframid (Pty) Ltd
Responsibilities	Project management, electrical engineering, business development and transfer of know-how

Employment 2 (Provincial Government Western Cape)

Dates	26 Sep 2011 - 29 February 2012
Companies	Provincial Government Western Cape, Department of Health
Positions	Director: Engineering and Technical Support Services
Responsibilities	Management, electrical engineering, maintenance and role of competent person

Employment 3 (Infraconsult)

Dates	1 June 1987 - 19 Sep 2001
Company	Infraconsult (Pty) Ltd
Position	Chairman and Managing Director
Responsibilities	The engineering and management of multidisciplinary private and public infrastructure development programmes and projects

Employment 4 (Dept of Post & Telecommunications)

Dates	3 January 1972 - 31 May 1987
Company	South African Department of Posts and Telecommunications (Now Telkom SA)
Positions	Deputy Director: Electrotechnical (Appointed 1 Jan 1982)
	Engineer (Appointed 24 Nov 1978)
	Assistant Engineer (Appointed 24 Nov 1976)
	Technician (Appointed 10 Feb 1976)
	Pupil Technician (Appointed 3 Jan 1972)

Responsibilities

As Deputy Director:

Responsible Person in terms of the Machinery and Occupational Safety Act for the city centre Telkom complexes in Pretoria, including boiling, hydraulic, elevator, electrical, mechanical and building safety systems.

Planning, procurement and implementation of Telecommunication, electrical transmission, specialised power supply, power generation and lightning protection systems for large telecommunication and computer centres on a national basis.

Appointment and management of consultants.

Active involvement in the Management Development Centres (MDC's) of the Department.

As Engineer and technician:

Research and development of power generation and distribution systems for large telecom and computer centres (Up to 2MVA).

Planning and implementation of Automatic Telephone Exchange Installations with the assistance of Alcatel and Siemens.

The first telephone billing analysis system for the Witwatersrand telecom network with the assistance of Telesciences, USA.

Access networks and outdoor plant.

As pupil technician and engineering student:

Switching and transmission system installation and maintenance.

Electrical power transmission and power supply installation and maintenance.