

Curriculum Vitae



Johann Dreyer

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Electrical Engineering Technologist Heavy Current with Project Management Certification and Experience +- 25 Years

---- Special Value ----

A successful record of leading projects to new levels of execution and efficiency based on Cost, Time and Quality control.



Targeted Position: Manager or Project Manager in Electrical Engineering Industry - power engineering, energy efficiency and renewal energy projects for municipal and industrial operations.

Personal Details

Full Name	Johannes Nicolas Dreyer
Languages	Afrikaans and English
Nationality	South African
Residence Status	Permanent
Driver's License	Light Motor Vehicle Code 8
Marital Status	Married with 2 children

Core Professional Capabilities to:

- Envision and execute project plans and strategies to meet client objectives and targets.
- Develop and spearhead business initiatives, campaigns, teams and projects.
- Manage Projects - planning, costing, communications, quality control and research.
- Introduce and/or review process controls and procedures using Engineering and Project Management skills

Personal Attributes

- Passionate – seeking positive outcomes in all encounters with energy and enthusiasm.
- Driven – focused, single minded approach to achieve objectives.
- Determined – ability to overcome obstacles, through persistence and planning.
- Perfection – strive to deliver the best results and outcomes for any given project.

Education and Training

- Primary and High School from Grade 1-12 Paarl Boys High, Paarl. Matriculated in 1979 with University Exemption.
- SA Defense Force for 2 years. - South African Infantry Battalion Training Instructor.
- National Diploma and National Higher Diploma Electrical Engineering Heavy Current at Cape Peninsula University of Technology Cape Town (ND - T3 and NHD - T4)
- International Quality Service Skills Certificate.
- Project Management PM3 at the University of Stellenbosch Business School.
- Advanced Project Management at the University of Stellenbosch Business School.
- Attended the Alluvion Consulting Prince2 course at the University of Stellenbosch Business School. Qualified as a PRINCE2® Foundation Certified Project Manager.
- Registered at PMSA (Project Management South Africa) as a Professional Senior Project Manager (Sr.PM) registration number 17380409

Skills and Expertise

- Project Management in PM BOK (Project Management Body of Knowledge) and PRINCE2® Foundation
- Strategic Planning, Project development, management and administration, staff management
- Problem solving, analytical and logical assessments
- Proficient in energy efficient and renewable energy products and projects. Familiar with renewable energy SANS standards (South Africa National Standards)
- Computer literacy including MS Office (Word, Excel, PowerPoint, Outlook), MS Project 2003 & 2007, Financial Modelling, Energy savings tracking, Identification of inefficiencies and potential savings on projects
- Feasibility studies and audit reports for Photovoltaic Arrays and Solar Water Heating applications.
- In depth professional knowledge, skills and expertise in the implementation of energy efficient programs and projects for municipal operations
- Installation and setup of Soft Ware (Operating software and Application software)

- Interpersonal Skills

Experience

- Power Generation and Engineering
- Power station switch gear control systems
- Energy Efficient and Renewable Energy applications. Photo voltaic and solar water heating systems.
- City of Cape Town Electricity Department Small Scale Embedded Generation Processes
- Water desalination and water purifier control systems.
- Dispute resolution between sub-contractors and contractor.
- Government and Municipal tender processes, Management structuring and compliance.
- Project Manager in Low Cost Housing projects for the City of Cape Town
- Project Management for the introduction of Medical Diagnostic Equipment.
- Hospital and radiology practice diagnostic equipment.
- Business and feasibility studies for Engineering Projects
- Management of Staff, Stakeholders, Service Providers and Contract Managers.

Career History

1984 – 1988 Student at **Cape Peninsula University of Technology** Cape Town

- Completed Electrical Engineering Heavy Current National Diploma (ND T3) and National Higher Diploma (NHD T4).

1988 – 2004 Siemens Cape Town

- Heavy Current Engineer Technologist at Lethabo and Kendal Power Stations commissioning LV and MV switch gear.
- Project Management and Engineering Technologist on medical diagnostic, treatment, therapy, monitoring and life support systems for hospitals and radiology practices which involved Government and Private Practices.

2005– 2007 The Scientific Group Cape Town (Adcock Ingram Scientific Group)

- Promote, sell, and Manage Projects for the group in **Imaging-** X-Ray equipment, and Orthopedic screening units. **Critical Care:** Equipment for ICU units. **Hospital:** Specialist operational equipment for hospital applications.
- Tenders, Project Management, customer care, dispute resolution, costing, budget, site planning and quality control.

2007 Batho Mobile X-Rays

- Mobile TB screening for rural people in South Africa.
- Turnkey planning, feasibility study and proposal to assist the South African Department of Health to diagnose TB in rural areas.
- Project terminated due to lack of funding from the Department of Health.

2007 - 2009 J N D Project Management CC

Registered in 2008 as a sole proprietor operation to:

- Render Project Management Services to Engineering Companies with the objective of improving operational profitability and efficiencies.
- Provide full spectrum consultation and scope definition for project management in electrical, mechanical, civil, construction and industrial engineering.

2009 - 2010 Project Management Work for J N D Project Management CC

- MSI Projects (Mega Projects International) in the construction industry on a contract basis.
- Appelwood Development in developing new building methods and researched a modular system for erecting low-cost housing.
- Todwill Paarl - Project Management work in the manufacture of platform display units for PRASA and concourse display units for railway-stations in conjunction with Intens – Siemens.
- Elements Consulting Engineering Group - Feasibility study to compile a business plan for a 75 Mw Photovoltaic (PV) array which included
 - A pre-Environmental Impact Assessment (EIA).
 - Costing the power connection to the nearest 133 Kv distribution line, planning the connection route, and costing of the mini substation.
 - Application process for the PV farm generation license.
 - Determining the cost effective size of the PV array, cost of electricity generated, energy yield and performance.

2011- 2012 Project Management Work for J N D Project Management CC

- Applewood Developers - Managing the building of new classrooms at Masibambane Secondary School.
- Applewood Developers- Managing RDP project of 50 houses in Philippi for City of Cape Town New Settlements.
- Consultant to Jumbo Civils Tarring Group and marketing of civil and building projects.
- Contract management for Sustainable Energy Africa. Seconded to the City of Cape Town in the role as Program Manager of the Program Management Unit (PMU) of the Energy and Climate Change Branch of the Energy Resource Management Department (ERMD) of the City of Cape Town.

2013 - 2017 Project Management work for J N D Project Management CC

J N D Project Management CC was awarded a 5 year contract with the City of Cape Town to run the High-Pressure Solar Water Heater (SWH) Program as Manager at the Program Management Unit (PMU).

- Worked closely with the Department of Energy National Solar Water Heater Program for low cost housing and with the insurance industry to promote the replacement of electrical geysers with SWH systems.
- Investigated photovoltaic (PV) program for the City of Cape Town.
- Adapted draft criteria for South African Standards for the PV industry. Assisted Green Cape and SAPVIA in drafting assessment and training criteria for the National Photovoltaic (PV) qualification for PV installers.

- Assisted the City of Cape Town with managing a Photovoltaic tender by specifying pre-feasibility, feasibility and design requirements for the installation of PV systems for 16 City of Cape Town building complexes, delivering a total of 728 Kwp.
- Developed criteria for a tender to evaluate energy usage in four Building Complexes in order to make them more energy efficient through the installation of LED lights.
- City of Cape Town training courses completed:
 - Joint Building Contract Committee (JBCC) Edition 6.1,
 - Technical Report Writing and SAP PPM Project Portfolio Management.
 - Project Portfolio Management – for the planning, execution, monitoring, reporting and control of City projects on SAP.

2018 - 2019 Project Management Work for J N D Project Management CC.

Contract with Devcotech Engineering as a project manager in EC&I projects for: Design, Manufacture, Factory Acceptance Testing, Installation, Commissioning, Site Acceptance Testing and Project Closure

Project Participation and Execution:

- Engineering Project for the manufacture, supply and installation of 2 x 1.6 MVA, 33KV/400V distribution transformers for PROXA for New Vaal Brine Expansion Water Treatment Plant.
- Engineering Project for PROXA & Seriti in the design, manufacture, software control and installation of a water purification plant for New Vaal Colliery to supply water to the Lethabo Power Station.
- Engineering Projects for the design, manufacture, software control and site installation of EC&I equipment for:
 - Atlantic Beach desalination & water purification. Containerized WTW
 - Catwalk desalination & water purification. Containerized WTW.
 - Protea Way Pond desalination & water purification.
 - Logichem Geometric Drinks.
 - 60 Malutsa Water Desalination Modular Plant units. Delivered to the South African Defense Force.
 - GEA and Diageo for a Bulk Alcohol Storage and Spirit Mixing Meta Bo Project in Ethiopia.

References

- Contact person for Environmental Resource Management Department of the City of Cape Town, Director Osman Asmal - Tel: 021-487 2200/2319 Cell: 084 786 8292
- Contact person for Siemens, Carl Holman - Cell: 076 687 2017
- Contact person for Goldfields Development, Frans Vermaas - Cell: 082 552 2165
- Contact person Grant Wood - Cell: 082 557 1013
- Contact person for Devcotech, Jaco Carstens - Cell: 082 453 2200
- Member of Project Management South Africa (PMSA)

Certificates available on request.
