

# NATALIE SAAYMANS

Data Analytics


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Reporting Frameworks

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Performance Analysis

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## SKILLS

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Data Analysis  
Correlation Modelling  
Key Driver Analysis  
Operational Oversight  
Performance Monitoring  
KPI Development  
Action Management

Project Monitoring and Controls  
Team Lead  
Nuclear Engineering  
Nuclear Safety  
Nuclear Oversight  
Reporting Frameworks  
Compliance Oversight

## EDUCATION

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University of Cape Town  
Master of Engineering specializing in Nuclear Power  
Graduated Cum Laude with Distinction

2020

Cape Peninsula University of Technology  
Bachelor of Engineering: Chemical Engineering

2012

Massachusetts Institute of Technology  
Nuclear Plant Safety  
Risk Informed Operational Decision Management

2008

## RELATED EXPERIENCE

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### **2023 - Present**

**Head of Monitoring & Evaluation  
Project Management Office  
City of Cape Town Municipality**

Creation of the Data Analytics Unit and management of associated outputs, in support of the Directorates objectives.

Development and Implementation of the Monitoring, Evaluation and Reporting Operating Model for the Directorate.

Utilization of Power BI as a data visualization platform for dashboard development.

Dashboard development for Project Management, Supply Chain Management Demand Plan, Human Resources and Facilities Management.

Responsible for supporting, managing, coordinating and developing monitoring, evaluation and reporting framework, inclusive of the development of associated procedures, plans and tools for project management, supply chain and contract performance for the Directorate portfolio.

Managing, coordinating and implementing project management communication plans and strategies with stakeholders.

Preparing and submitting monitoring and evaluation reports and correspondence of a complex and involved nature to facilitate the functioning of the Directorate requirements.

Implementing monitoring and evaluation initiatives to proactively review and report on critical KPIs and substantive activities and measurements that impacts and influence KPIs.

### **2021 - 2023**

**Team Lead: Chief Engineer  
Independent Nuclear Safety Assurance  
Eskom**

Lead evaluator for Project Management, Performance Improvement, Engineering, Configuration Management, Chemistry and Fire Protection.

Developed and implemented a comprehensive and integrated assessment management framework for all nuclear activities.

Regularly engaged, reported and presented on oversight activities to international governing bodies and the National Nuclear Regulator.

Monitored progress of identified corrective actions to improve key business performance indicators.

Monitored, trended and assessed Eskom nuclear activities against Eskom policies, procedures, directives, and international practice. Highlight any deviations of these activities from adopted standards.

Analyzed all relevant international and national legal and statutory requirements, Eskom policies, directives, and procedures.

Provided technical expertise to Generation Quality Assurance on audits.

Performed assessments of Eskom's current nuclear safety practice requirements and their implementation against International Standards.

## **2009-2021**

**Senior Evaluator  
Independent Nuclear Safety Assurance  
Eskom**

Performing monitoring and assessment activities to provide expertise and insights using analytical tools such that performance weaknesses are recognized and rectified prior to significant decline.

Performed high level reviews for the Safety Document Review Group on submissions to the National Nuclear Regulator.

Represented and presented the findings from the monitoring and evaluation reports to the National Nuclear Regulator.

Provided technical input in the development and interpretation of the Koeberg Safety Analysis Report.

Performed formal reviews of the Periodic Safety Review of Koeberg Power Station.

## **2005**

**System Engineer  
Conventional Systems Engineering  
Eskom**

Technical investigations, root cause analysis, evaluation and resolution of technical plant issues and project management.

## **2004-2005**

**Engineer in Training  
Eskom**

Rotating through departments within the organization as a form of extended induction into Eskom.

## **MEMBERSHIPS**

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Engineering Council of South Africa (ECSA)  
Professional Engineering Technologist: Chemical Engineering

Institute of Chemical Engineers (ICHEME)  
Associate Member

South African Institute of Chemical Engineers (SAIChE)

## **REFERENCES**

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References available upon request

