



COMPANY PROFILE

—
OXYGEN 21



REAL PEOPLE
REAL PROJECTS
REAL SOLUTIONS

www.oxygentwentyone.com

Introduction

SMART SAFETY SOLUTIONS



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OXYGEN 21 provides comprehensive Occupational Health, Safety, Environmental and Quality (OHSEQ) business solutions with the aim of enhancing business performance.



Company

ABOUT US

OXYGEN is a private company established in 2014 and is registered in South Africa. Since the company's inception, Oxygen has grown exponentially, partnering with clients, contractors and project delivery consultants to deliver projects across the African continent. OXYGEN provides comprehensive occupational health and safety services throughout the project lifecycle to ensure that all business performance objectives are successfully met.


OXYGEN supports the entire front-end loading phase of the project and then deploys sound occupational health and safety systems, processes and resources to manage the occupational health and safety risks during project execution. Competent people and sound, reliable systems and practices are the key ingredients for our success in executing each and every project that is undertaken. OXYGEN offers leading occupational health and safety solutions for successful project delivery.

The OXYGEN health and safety management systems and processes, which have been meticulously honed for over two decades, can be swiftly aligned to any project or a suite of projects. OXYGEN occupational health and safety solutions are designed for application throughout the project lifecycle, from concept through to construction and project close out.

OXYGEN is a business improvement organisation with a specific focus on occupational health and safety in the engineering, project management and construction management environments. We provide essential support across the mining, metals, energy and infrastructure business sectors. Through its members, OXYGEN has more than fifty years of experience in delivering occupational health and safety solutions to clients Globally. The advantage that OXYGEN brings is its hands-on experience in supporting projects through the study phases right through to project delivery and execution.

Through its members, OXYGEN has been part of a project delivery team executing complex multi-disciplined projects in excess of 5 billion USD. To the same extent, the same services are scaled and offered to meet client specific requirements on any project.

OUR TENETS

-  **Be unconditionally honest with our clients.**
-  **Be innovative.**
-  **Provide reliable information and solutions.**
-  **Take accountability for our actions or inactions.**
-  **Provide the highest quality of work.**
-  **Cultivate an organisation that allows each person to make a difference.**
-  **Conduct our business in a fair and sustainable manner.**
-  **Provide a safe and healthy work environment.**



Our Services

Our services include but are not limited to the following:



OHSEQ RESOURCE SUPPORT

Competent Resource Support – We provide OHSEQ services through the deployment of professional resources to client sites locally and internationally. Resources are supported by a team of professionals within the OXYGEN group of companies where leading practices are continuously updated and maintained.



AWARENESS AND TRAINING SUPPORT

- **Training** – We provide generic and client tailored OHSEQ training solutions.
- **Stakeholder Engagement** – OXYGEN 21 provides stakeholder engagement and communication services on HSE matters such as industrial theatre, employee communication, incident reporting and awareness campaigns.



CLIENT TAILORED SYSTEM DEVELOPMENT

- **OHSEQ System Development and Deployment** – OXYGEN 21 develops and executes OHSEQ management systems in accordance with international standards as set by ISO, IFC or any other required management system standard.
- **Policy setting and strategic planning** for OHSEQ.
- **Emergency Response Planning** – OXYGEN 21 provides effective critical emergency response management services such as on-site advanced life support, emergency evacuations, fire risk assessments, occupational health services and any other health related support.



HEALTH AND SAFETY AGENT SUPPORT

- **Professional SACPCMP Registered Health and Safety Agents** – through its members OXYGEN 21 acts as “agent” to clients, under the Construction Regulations promulgated in South Africa.
- **Contractor Management and Vendor Evaluation** – OXYGEN 21 pre-qualify contractors and monitors contractor compliance throughout their scope delivery. We provide comprehensive vendor evaluations and rating processes on behalf of our clients, to vet prospective vendors and to evaluate current vendor compliance and performance.
- **Safety Risk Management** – We develop and conducted Client OHSEQ Specifications, baseline risk assessments, design risk reviews, risk registers, issue-based risk assessments, strategic risk planning.
- **Critical Management Plans** – OXYGEN 21 provides in depth risk management services whereby critical OHSEQ management plans are developed to ensure the effective management of client business risks.
- **Independent Incident Investigation/Review** – OXYGEN 21 provides independent root cause analyses services (tools and software used, Taproot, ICMA, SCAT).



AUDIT SUPPORT

Auditing / Due Diligence – OXYGEN 21 provides auditing services at all levels, namely first party auditing, second and third party auditing, inclusive of legal compliance audits, system compliance audits, gap audits, process audits, ISO 9001, ISO 14001 and ISO 45001 audits.



What We Offer

CLIENT/DEVELOPER PROJECT SERVICES

- Develop project cost estimates/forecast for construction health & safety.
- Perform all construction health and safety agent duties from project stages 1 to 6.
- Draft the project health & safety specification.
- Draft COVID-19 Health and Safety Management Specifications.
- Prepare design risk review report.
- Compile the project baseline risk assessment.
- Review of principal contractor tender submissions, competencies and resources.
- Evaluate the contractors costing and budget allocation on the project for health & safety.
- Preparation of project appointment letters.
- Review of principal contractor health and safety plan and related construction project health & safety contract documentation.
- Preparation and submission of application for construction work permit.
- Carry out health and safety audits.
- Management of Site Health and Safety.
- Investigations into significant incidents.
- Prepare a consolidated construction project health & safety close-out report.



CONTRACTOR SERVICES

- COVID-19 Health and Safety Management Support.
- Compile a company and project specific health & safety compliance file as per the Occupational Health & safety Act and relevant regulations.
- Assist in the submission of the Notification of Construction Work to the Department of Labour.
- Conduct regular Occupational Health & Safety audit inspections, which include a physical and documented compliance audit assessment on all appointed contractors working on the project.
- Review the project risk management profile.
- Assist in incident management and investigations.
- Prepare a project close out report.



INDUSTRIAL/COMMERCIAL SERVICES

- COVID-19 Health and Safety Management Support
- Conduct internal audits and compliance assessments in any sector
- Conduct supplier and vendor audits and compliance assessments in any sector
- Perform occupational hygiene surveys
- Perform Vendor vetting assessments
- Development of Business Management Systems aligned to ISO 9001, ISO 14001 and ISO 45001 or integrated
- Assist with the legal organisational framework and appointments
- Industrial / Commercial building safety inspections
- Compile business risk profiles
- Conduct fire risk assessments
- Conduct safety symbolic sign reviews



Our Clients



OUR CLIENTS

- ➔ AECOM
- ➔ AIR LIQUIDE
- ➔ BLACK MOUNTIN MINING
- ➔ DBSA
- ➔ GIBELA
- ➔ HATCH
- ➔ RAUBEX
- ➔ SASOL
- ➔ SNC LAVALIN
- ➔ UNIVERSITY OF PRETORIA
- ➔ VEDANTA
- ➔ HEINEKEN
- ➔ SAPPI
- ➔ SIVEST

UNIVERSITY OF PRETORIA

"Thank you for the level of effort spent on our project. Overall, the services from OXYGEN are very good, and we are happy that you continue to keep us informed on the issues of the project through the audit reports."

JOHNSON CONTROLS

"Thank you for the good safety job you are doing over there with our team!"

ANGLO AMERICAN

"We thank you for your report and continued support. It remains a pleasure to have you on site – your positive and supportive attitude goes a long way in adding value to our endeavours to complete this project safely."

THE CONTI CO.

"I can't thank you enough as this is most probably the best customer service I have ever received. Lourens and his team is the best!!!!"

CLIENT EXPECTATION



Our clients have very high safety standards, and pride themselves in having incident free working environments. We are here to assist them in accomplishing those goals. They expect us to comply with international health and safety standards, assess the risks and prevent staff injury as well as reputational damage.



OUR CERTIFICATIONS



BEE is Black Economic Empowerment which is a racially inclusive initiative by the government of South Africa to redress the inequalities brought during apartheid. BBBEE, on the other hand, is the Broad-Based Black Economic Empowerment which is responsible for the implementation of BEE as it provides the legal legislative framework for its implementation.

DEKRA Certification South Africa is an Accredited Certification Body under the German accreditation body DAkkS. As a third party accredited certification body (CB), their knowledgeable, independent and experienced ISO management system auditors verify whether the clients like us comply with the requirements of the various ISO standards.

The SACPCMP is the designated registration body for Construction Health and Safety Practitioners operating in South Africa. They have been gazetted by the Department of Labour (DoL) as the registration body for the Construction Health and Safety professions and are a statutory organisation.

The Southern African Auditor and Training Certification Authority (SAATCA) has developed specific criteria to form the basis upon which Training Course Providers (TCP) can be approved by SAATCA to provide management system auditor training courses.

International Register of Certificated Auditors (IRCA) is the world's original and largest international certification body for auditors of management systems and is a division of the Chartered Quality Institute (CQI).



OUR PROJECTS

Engineering Consulting

AECOM (PTY) LTD - N3 TOLL CONCESSION

OVERVIEW

Assisting our client in the development and implementation of a Baseline Risk Assessment and Safe work plan for the performing of inspections on major culverts and bridges on the N3.



OXYGEN SCOPE OF SERVICES

Preparation of a baseline risk assessment and safe work plan; Assisting AECOM as the appointed bridge and culvert inspectors for the N3TC with inspections as the clients health and safety agent.



Energy

Ngodwana Energy 25 MW Biomass Power Project

OVERVIEW

Ngodwana, Mpumalanga
(September 2018 – current)

The Ngodwana Energy 25MW Biomass power project entails the construction of the complete materials handling, storage and boiler feeding system, the erection of a boiler and installation of the power island as well as the tie-in with the Eskom yard. The project formed part of the South African Government Renewable Energy Independent Power Producer Programme (REIPPPP).



OXYGEN SCOPE OF SERVICES

Client's Construction Health and Safety Agent Deliverables – Baseline Construction Risk Analysis, OHS Specification Development. Monthly Health and Safety Reviews and Monthly Covid-19 Accommodation provider compliance verification.

Project Execution Support - Principal Contractor EHS resource support for project execution.



Energy

SASOL TRAIN 17 ASU PROJECT

OVERVIEW

Mpumalanga, Secunda
SASOL Train 17 ASU project of R3 billion
(June 2016 – June 2017)

The project comprises the construction and commissioning of the world's largest air separation unit (ASU) at the Secunda Synfuels operations site.

The scope of the project includes the integration of Train 17's product streams with other live operations, such as high pressure oxygen (O₂), both high and low pressure nitrogen (N₂) and dry air, as well as electricity supply, associated infrastructure and utilities upgrades to the air separation unit (ASU) at the Secunda site.

Air Liquide was contracted by SASOL in 2015 to construct the ASU, dubbed the Additional Oxygen Capacity Train 17 project. Once commissioned in December 2017, it will be the largest ASU ever built, producing a total capacity of 5,000 tonnes of O₂ per day; a milestone in the history of industrial gas production.



OXYGEN SCOPE OF SERVICES

Client's Construction Health and Safety Agent Deliverables – Design Risk Analysis, Baseline Construction Risk Analysis, OHS Specification Development, Legal Framework, Application for Environmental and Health and Safety Permitting. Monthly Vendor Evaluations and Monthly EHS Maturity Assessments.

Complete Project Execution Support - EHS resource support for project execution.



Energy

VOPAK SOUTH AFRICA DEVELOPMENTS TERMINAL - LESEDI

OVERVIEW

Heidelberg Mpumalanga
Vopak SA Developments Terminal Lesedi R1.1 billion project
(June 2018 – 2020)

The Lesedi Fuel Depot will comprise seven tanks, consisting of two 26.2m-diameter tanks and five 36.8m-diameter tanks. This project expands Vopak’s infrastructure to help meet South Africa’s increasing demand for petroleum products.

The new depot will improve the security of fuel supply by facilitating the import of cleaner fuels into South Africa. In addition to the seven tanks, the project scope includes eight truck-loading bays with a vapour recovery system, and a pipeline connection to the state-owned NMPP for refined petroleum products.

The entire project is divided into three phases. The scope of work includes the construction of seven tank foundations, a foundation berm wall, and a 35m × 35m × 7m concrete manifold structure.



OXYGEN SCOPE OF SERVICES

Client’s Construction Health and Safety Agent Deliverables – Design Risk Analysis, Baseline Construction Risk Analysis, OHS Specification Development. Monthly Vendor Evaluations and Monthly EHS Maturity Assessments.



Infrastructure

HEINEKEN SEDIBENG EXPANSION PROJECT

OVERVIEW

Midvaal, Gauteng
(February 2019 – January 2021)

The Sedibeng brewery delivers Heineken brand brews to South Africa and was expanded to ensure the market demand could be met. The project entailed earthworks, civil and mechanical construction as well as the industrialisation of the expanded facilities. The project was executed in a brown fields environment.



OXYGEN SCOPE OF SERVICES

Client's Construction Health and Safety Agent Deliverables – Baseline Construction Risk Analysis, OHS Specification Development, Legal Framework, Application for Construction work permitting. Monthly principal contractor reviews.

Project Execution Support - Client EHS resource support for project execution, Access control infrastructure and software support, project office infrastructure support.



Infrastructure

SAPPI SAICCOR PROJECT - VULINDLELA PROJECT

OVERVIEW

Umkomaas, KZN
(2019 to 2021)

Expansion of the Saiccor mill of Sappi in Umkomaas, including new Chemical recovery boiler, to effect reduction of effluent.

Project was executed in a brown fields environment.



OXYGEN SCOPE OF SERVICES

Client's Construction Health and Safety Agent
Deliverables – Design Risk Analysis, Baseline Construction Risk Analysis, OHS Specification Development, Legal Framework, Application for Environmental and Health and Safety Permitting. Vendor Evaluations and Monthly EHS reviews.



Infrastructure

GIBELA NEW MANUFACTURING FACILITY PROJECT

OVERVIEW

Dunnottar, Gauteng
Gibela a R1 Billion Factory
(September 2015 – October 2018)

Dunnottar will be at the cutting edge of train production – a critical hub, providing on-site maintenance and engineering services, a training facility for railway-specific artisan skills and an engineering centre of excellence. From the outset, it will be environmentally efficient in its use and recycling of water and power.



OXYGEN SCOPE OF SERVICES

Client's Construction Health and Safety Agent Deliverables – Design Risk Analysis, Baseline Construction Risk Analysis, OHS Specification Development, Legal Framework, Application for Environmental and Health and Safety Permitting. Monthly Vendor Evaluations and Monthly EHS Maturity Assessments.

Complete Project Execution Support - EHS resource support for project execution.



Infrastructure

SAPPI SAICCOR PROJECT - UPGRADE OF THE WOODYARD

OVERVIEW

Umkomaas, KZN

Sappi Saiccor Project – Upgrade of the Woodyard, 245 million ZAR
(March 2018 to July 2019)

Construction of a new woodyard facility for the Saiccor mill of Sappi in Umkomaas, including new material handling systems for both the wood and the chips post the new woodchipper feeding a new stockpile yard with automated reclamation and material handling infrastructure to feed the mill.



OXYGEN SCOPE OF SERVICES

Client's Construction Health and Safety Agent

Deliverables – Design Risk Analysis, Baseline Construction Risk Analysis, OHS Specification Development, Legal Framework, Application for Environmental and Health and Safety Permitting. Monthly Vendor Evaluations and Monthly EHS Maturity Assessments.



Mining & Metals

GAMSBERG ZINC - RAW WATER PIPELINE FROM THE ORANGE RIVER

OVERVIEW

Gamsberg, Northern Cape
R6 Billion Project
(July 2017 – 2019)

Gamsberg is part of the Black Mountain Mining (BMM) operations and is located about 30km from BMM's base at Aggeneys, in South Africa's Northern Cape province. Gamsberg will exploit one of the largest known, undeveloped zinc ore bodies in the world and will comprise an opencast mine and a dedicated processing plant.

The scope of work undertaken included to supply 29.5km of 500mm-diameter ductile pipe, installed to run from the Orange River to Gamsberg.

The purpose of the project was to supply raw water to the mine, primarily to be used for construction purposes, and the running of the mine operations.



OXYGEN SCOPE OF SERVICES

Client's Construction Health and Safety Agent – Design risk analysis, baseline construction risk analysis, OHS specification development, management of legal framework and all legal matters with regard to occupational health and safety, application for health and safety permitting.

Complete project EHS, execution support.



Mining & Metals

KHWEZELA LIFEX NAVIGATION PIT PROJECT

OVERVIEW

Mpumalanga, Witbank
Khwezela Dragline Walk
(Duration 12 months)

Located in Emalahleni, Mpumalanga, the project entailed the walking of a dragline from Kromdraai open-cast mine to Khwezela colliery. The project required the relocation of various 400kV lines the crossing of the N4 highway and various roads as well as a TFR Rail line. For the dragline to safely walk its route, the entire route had to be prepared with the construction of a walking pad, the route also crossed wetland areas and various farms. The complete route was successfully rehabilitated on.



OXYGEN SCOPE OF SERVICES

Client’s Construction Health and Safety Agent – Design risk analysis, baseline construction risk analysis, OHS specification development, management of legal framework and all legal matters with regard to occupational health and safety, application for health and safety permitting.



Our Group

THE PROFESSIONAL & FUN OF WORKING.



MAIN TEAM



Lourens Bezuidenhout
MANAGING DIRECTOR

Lourens has twenty-three years of experience in project SHEQ management on projects around the globe. Lourens serves the South African Council for Project and Construction Management Professions (SACPCMP) as an assessor, committee member and mentor.



Fred du Plessis
TECHNICAL EXPERT EHS – Pr.CHSA

Fred has more than eighteen years of experience in project SHEQ management on projects around the globe. Fred holds a qualification in industrial engineering. Fred is registered with the SACPCMP as a Professional Construction Health and Safety Agent (Pr. CHSA) and serves the Council currently as an assessor.



Elaine Janse van Rensburg
BUSINESS SYSTEMS LEAD – SHEQ

Elaine has twenty-two years of experience in developing, implementing, managing and controlling SHEQ management systems within the construction, transport, chemical, engineering, electronic warfare, project management and consulting industries. Elaine holds a degree in environmental health from the Pretoria Technicon (1996).



Lourenzo Giani
HEALTH & SAFETY ADVISOR

Lourenzo has exceptional work experience in the Occupational Health and Safety environment. Covering a broad range of Construction, Petrochemical, Mining, Mechanical and Electrical Utility Projects Governed under the OHSA/MHSA & NEMA legislative and regulative requirements. SACPCMP registered.



Anneline Haasbroek
ADMINISTRATION & FINANCIAL LEAD

Anneline is a knowledgeable bookkeeping and accounting professional with a career span of over 17 years. Anneline is a precise bookkeeper with full bookkeeping experience up to trail balance. She is an expert in payroll processing and drafting and maintaining of various financial reports.



Leoniki Smit
GRAPHIC DESIGNER

Leoniki is a qualified Graphic Designer with a Bachelor of Arts Degree in Visual Communication obtained from The Open Window, and has experience in Print Design, Illustration, and Social Media Management.

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