



AMB

ENGINEERS



ENGINEERING | CONSULTING | DEVELOPMENT | TRAINING

VISION

An agile generational leader in multi-disciplinary engineering services driving growth globally and embracing technological excellence.

CONTENTS

MISSION

Our company exists to provide excellent, efficient and sustainable engineering solutions for the benefit of our clients and communities by:

- Offering specialised programme and project management services.
- Business solutions customised to the clients architecture.
- Building resilient and adaptable processes supported by cutting edge and latest technological systems.
- Employing highly skilled professionals with a bias to empowerment of young professions.

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PROUDLY
AFFILIATED
WITH



JOURNEY, VALUE, EXPERTISE & SERVICES

AMB Engineers (Pty) Ltd, subsidiary of AMB Holdings, stands as a beacon of excellence in the Civil Engineering industry. Founded by Bhekuyise Henry Makedama, a devoted family man whose vision is rooted in quality, AMB is not just a company but a commitment to professionalism and client-centric service.

CORE VALUES

INTEGRITY | INNOVATION | COLLABORATION

Join us in shaping a better tomorrow through exceptional engineering solutions and unparalleled dedication to our clients' success.

AMB Engineers proudly holds a Level 1 B-BBEE rating, reflecting our dedication to empowerment and inclusivity. The name "AMB" is a heartfelt homage to Bhekuyise's three daughters, embodying the spirit of family and legacy that drives our work.

With a wealth of experience in Civil Engineering encompassing design, contract administration, and project management, Bhekuyise envisioned AMB as a leader in the small- to medium-sized business sector. Our core values of integrity, innovation, and client collaboration have guided us through our formative years. In establishing AMB, Bhekuyise's vision was to build a company competent in the small- to medium-sized business space, known for its professional service, quality of work and meaningful interaction with clients, during its first five years of operation.

At AMB, we are not just engineers; we are problem solvers and innovators. Our team comprises highly skilled business associates who share our passion for pushing boundaries and creating lasting impact. As we grow, these associates will become stakeholders, ensuring a shared commitment to our vision.

With a collective experience exceeding 25 years, AMB specialises in a range of infrastructure projects. From the design and construction of water and sanitation systems to roads, stormwater management, sports facilities, and community halls, we undertake each project with meticulous attention to detail and a drive for excellence.

Additionally, AMB offers Management Consulting services tailored for local government entities. From Annual Report development to facilitating Strategy Development sessions, we empower organisations to achieve their goals efficiently and sustainably. Our Training and Development programmes further strengthen the skills of industry professionals, fostering growth and expertise within the sector.

AMB Engineers is more than a service provider; we are partners in progress. Our commitment to delivering superior quality, fostering innovation, and building lasting relationships sets us apart in the industry. We take pride in our work and strive to exceed expectations, driving positive change and creating a legacy of excellence.

AMB Engineers has established a remarkable track record in Programme Management Services, exemplified by our pivotal role in the Infrastructure Development Eastern Cape project under the auspices of the Department of Public Works and Infrastructure (DPWI EC).

EXPERIENCE IN PROGRAMME MANAGEMENT SERVICES



AMB Engineers was subcontracted to provide comprehensive Programme Management Services for the Programme Management Office (PMO) for Infrastructure Development Eastern Cape, establishing a Professional Team to support DPWI EC effectively.

The PMO's mandate was successfully executed under the guidance of AMB Engineers. This included identifying resource requirements and structuring the business to deliver efficient services. We assembled a team of highly qualified and experienced professionals, including Engineers, Architects, Quantity Surveyors, Administrators, Chartered Accountants, ICT Software Developers, and IT Support personnel.

Over the past 18 months, AMB Engineers facilitated the transformation of our company, growing from a modest team to a robust workforce of 67 professionals. This expansion necessitated a rigorous selection and recruitment process, ensuring that only the best talent joined our ranks. Furthermore, we collaborated closely with the PMO to implement robust ICT systems and policies, enhancing operational efficiency and effectiveness.

Our Director's leadership played a pivotal role in achieving an unqualified Audit Opinion for DPWI, with minimal matters of emphasis. We spearheaded the development of an Integrated Infrastructure Portfolio Management System, leveraging our expertise in software development.

In addition to these accomplishments, AMB Engineers managed a professional team to design and manage the construction of regional office accommodation facilities, comprising five blocks of buildings valued at over a billion Rand combined. We developed and implemented performance management tools to monitor programme effectiveness and daily accountability, ensuring optimal project performance.

Our ongoing commitment includes monthly reporting, governance structure implementation, and active participation in stakeholder engagements and strategic planning sessions. We provide invaluable support to DPWI in developing strategic plans, policies, and systems, driving continuous improvement and innovation in infrastructure development.

AMB Engineers also played a crucial role in designing essential infrastructure elements such as water reticulation, sewer reticulation, road networks, and pavement designs for the Emaxesibeni Regional Office of the Government, showcasing our expertise in holistic project management and engineering solutions.

VALUES

QUALITY OF SERVICE

COST-EFFECTIVENESS
AND EFFICIENCY

TIMEOUS DELIVERY

CUSTOMER CARE

PROFESSIONALISM

OBJECTIVES

- To consistently provide high-quality services that exceed our clients' expectations. We are committed to understanding and fulfilling their needs with precision and excellence.
- To operate close to our clients by establishing satellite offices strategically located in areas of operation. This ensures seamless communication, quick response times, and enhanced collaboration throughout the project lifecycle.
- To deliver projects on time and within budget, utilising efficient project management practices and leveraging innovative technologies to optimise costs without compromising on quality.
- To broaden our customer base by diversifying our company offerings, exploring new markets, and embracing emerging trends and opportunities in the engineering industry.
- To uphold engineering principles and best practices in all our design criteria, ensuring the safety, functionality, and sustainability of our projects.
- To resource our company with highly skilled professionals and promote a culture of professionalism, integrity, and continuous learning in all our dealings with clients, partners, and stakeholders.
- To contribute towards the development of young engineers, technologists, and technicians by providing mentorship, training programmes, and opportunities for hands-on experience.

TARGET MARKET

Our services cater to a diverse range of clients, including:

- Local, District and Metropolitan Municipalities
- Provincial Government Departments
- National Government Agencies
- Private Sector Organisations
- Non-Governmental Institutions
- State-Owned Enterprises

QUALITY SERVICE

EFFICIENT | HANDS-ON | PROFESSIONAL



CERTIFIED QUALITY

DESIGN | CONSTRUCTION | ENGINEERING

VALUE PROPOSITION

Our value proposition includes:

Certified Quality Assurance: All our projects are overseen by professional Engineers and Technologists who certify the quality of design and construction, ensuring compliance with industry standards and regulations.

Academic Partnerships: We collaborate with academia to advance research and development in Roads and Transport Planning, leveraging cutting-edge insights and technologies to enhance the efficiency and sustainability of our projects.

AMB Engineers distinguishes itself in the market through a holistic approach that integrates engineering services with a strong developmental agenda.

Training and Development: Our partnerships with training specialists enable us to strengthen the skills and expertise of our team, ensuring continuous learning and professional development that enhances our capabilities and service offerings.

Innovative Solutions: We prioritise innovation and creativity in our solutions, leveraging technology and best practices to deliver innovative, tailored solutions that address our clients' unique challenges and contribute to their long-term success.

Customer-Centric Approach: Our client-centric approach ensures that we understand and prioritise our clients' needs, providing personalised support, proactive communication, and responsive solutions that exceed expectations and foster lasting partnerships.

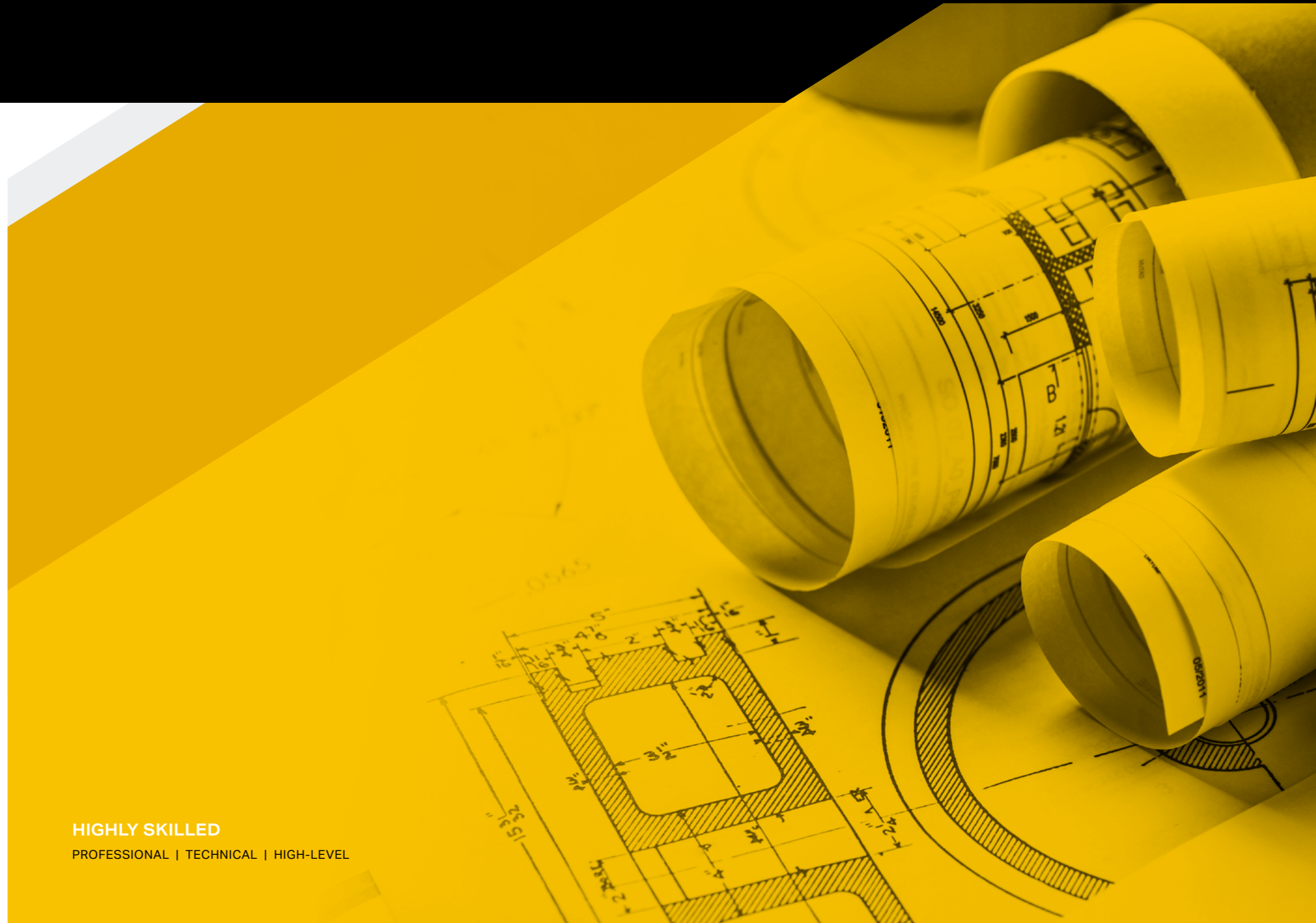
OUR SERVICES



The AMB associate team of highly skilled, experienced Professional Engineers and Engineering Technologists have all worked on high-profile, large engineering projects. The team delivers Strategy Development and Facilitation, Development and Training as well as the following services:

HIGHLY SKILLED

PROFESSIONAL | TECHNICAL | HIGH-LEVEL





PROGRAMME AND PROJECT MANAGEMENT

AMB excels in Project and Programme Management, offering comprehensive services for accurate project specification, budgeting, and execution:

- Detailed needs analysis to identify project requirements and objectives.
- Preparation of thorough tender and contract documentation for clear project scope.
- Conducting in-depth feasibility studies to assess project viability and risks.
- Experienced project and construction management ensuring efficient workflow.
- High-level scoping and cost determination for precise budgeting.
- Skilled management of service providers and subcontractors for seamless collaboration.
- Comprehensive project motivation to keep teams aligned and focused.
- Regular reporting to stakeholders with detailed progress updates and milestones.
- Advanced planning and costing techniques to optimise resource utilisation.
- Rigorous quality control measures and final sign-off for project deliverables.
- Effective budget management to ensure project financial goals are met.

MANAGEMENT CONSULTING

AMB provides expert Management Consultancy throughout project lifecycles, ensuring tailored solutions and creative approaches:

- Strategic development and facilitation tailored to client objectives.
- Customised development and training programmes for project teams.
- Extensive consultation and analysis to understand project complexities.
- Utilisation of cutting-edge technologies for scheduling, risk reduction, and compliance.
- Continuous support and guidance to keep projects on track and within budget.

STRUCTURAL ENGINEERING

AMB excels in Planning, Design, and Supervision of Structural Engineering projects including:

- Building services: residential, low-cost housing, commercial structures.
- Forensic investigations for structural integrity assessments.
- Design and construction supervision of reinforced concrete towers.
- Expertise in sporting facilities including reinforced and pre-stressed concrete structures.
- Design and supervision of liquid retaining structures for water storage.
- Innovative bridge design and engineering for various applications.
- Structural steelwork design and implementation for industrial and commercial projects.
- Expertise in timber structures for sustainable construction practices.
- Temporary structural design for events, construction, and emergencies.
- Refurbishment and restoration of historical or aging structures.
- Detailed structural survey and assessment of existing buildings and infrastructure.

ROADS AND TRANSPORTATION PLANNING

AMB's expertise in Roads and Transportation Planning encompasses:

- Detailed business plans and feasibility studies for transportation projects.
- Public transport planning and design including route optimisation and accessibility.
- Traffic signaling studies and impact assessments for safe and efficient traffic management.
- Construction supervision for various road types including rural, urban, and national roads.
- Development of public transport facilities and infrastructure.
- Road safety audits and design enhancements for accident prevention.
- Urban planning strategies to optimise transportation networks and reduce congestion.

ELECTRICAL ENGINEERING

AMB delivers high-standard Electrical Engineering services including:

- Design and implementation of high-voltage (HV) lines and distribution networks.
- Street lighting design and installation for safety and visibility.
- Building services design including electrical systems for residential and commercial buildings.
- Preliminary design, tender document preparation, and project management.
- Reticulation system sizing and surveying using advanced tools and techniques.
- Lighting design optimisation for energy efficiency and compliance.
- Quality checking during construction phases to ensure electrical system integrity.
- Street lighting simulation and design to meet regulatory standards and lighting requirements.

ELECTRO-MECHANICAL ENGINEERING

AMB specialises in Mechanical Engineering for mining operations, offering services such as:

- Strategic equipment and machine replacement programmes for optimal performance.
- Contractor equipment compliance and maintenance as per industry regulations.
- Adherence to safety standards and environmental regulations in mining operations.
- Comprehensive engineering analysis and project management services.
- Effective engagement with Original Equipment Manufacturers (OEMs) for equipment reliability.
- Plant availability and downtime management for continuous production.
- Technical analysis and troubleshooting for major equipment breakdowns.
- Development of Code of Practice, Standards, and Safe Work procedures for mining equipment.

MECHANICAL ENGINEERING DESIGNS

AMB's Mechanical Engineering designs cover:

- Design and installation of mechanical systems in buildings such as lifts, HVAC (heating, ventilation, and air conditioning), and water reticulation.
- Design and implementation of elevated tanks, fire hydrants, and water distribution systems.
- Water and sewer pump design and integration for efficient water management.
- Automated water metering solutions for accurate consumption monitoring.
- Mechanical engineering inputs on sewer and water treatment plant designs for environmental compliance.

CIVIL ENGINEERING SERVICES

AMB's Civil Engineering services include:

- Structural engineering for buildings, bridges, and infrastructure projects.
- Transportation engineering for roads, highways, and public transport systems.
- Geotechnical engineering for soil analysis, foundation design, and slope stability.
- Water resources engineering for water supply, drainage, and flood control.
- Environmental engineering for waste management and pollution control.
- Surveying and mapping services for accurate project planning and execution.
- Construction management for efficient project delivery and quality control.
- Site development planning and design for new developments and infrastructure upgrades.
- Urban planning and design for sustainable and livable communities.
- Comprehensive project management services from inception to completion.

WATER AND SANITATION

AMB ensures access to clean water and proper sanitation through:

- Water supply system design, installation, and maintenance.
- Sanitation facilities design and construction for waste management.
- Hygiene promotion programmes for community health and well-being.
- Infrastructure development for water and sanitation services.
- Community engagement for sustainable water resource management.
- Water quality monitoring and testing for regulatory compliance.
- Emergency response planning and implementation for water-related crises.
- Regulatory compliance for water and sanitation standards and guidelines.
- Sustainability initiatives for long-term water resource management.
- Capacity building programmes for local communities and stakeholders.

WATER AND WASTEWATER ENGINEERING

AMB designs, implements, and manages water and wastewater systems:

- Comprehensive water system planning and execution.
- Innovative wastewater treatment technologies and solutions.
- Sustainable infrastructure development for water supply and distribution.
- Regulatory standards compliance for water quality and environmental protection.
- Ongoing monitoring and maintenance of water and wastewater systems.
- Application of advanced technologies for efficient water resource management.

ROADS AND STORMWATER

AMB plans, designs, and maintains road networks and stormwater systems:

- Detailed road network planning and design for safe and efficient transportation.
- Stormwater management system design for drainage and flood control.
- Erosion control measures for sustainable infrastructure.
- Urban planning strategies for resilient communities.
- Maintenance and repair services for roads and stormwater infrastructure.

MINING OPERATION AND ENGINEERING

AMB specialises in efficient mining operations and engineering:

- Mining operation planning, management, and optimisation.
- Safety implementation and environmental compliance in mining operations.
- Resource recovery optimisation for sustainable mining practices.
- Responsible mining strategies aligned with industry standards and regulations.
- Advanced mining technologies and equipment utilisation for efficiency.
- Continuous improvement initiatives for mining processes and safety.





HEALTH AND SAFETY

AMB ensures a safe working environment through:

- Comprehensive risk assessment and hazard identification.
- Protocol development for safety procedures and emergency response.
- Ongoing safety monitoring and compliance audits.
- Safety training and awareness programmes for employees.
- Regulatory compliance for health and safety standards.
- Incident investigation and corrective action implementation.
- Safety culture development within organisations.

BUSINESS MANAGEMENT

AMB offers solutions for organisational efficiency and growth:

- Strategic planning and business development consulting.
- Resource optimisation and operational efficiency improvements.
- Change management strategies for organisational effectiveness.
- Performance management systems implementation.
- Innovation and technology adoption for business growth.
- Market analysis and competitive intelligence.
- Financial management and budget planning.
- Leadership development and talent management.

CONTRACT MANAGEMENT

AMB oversees contract lifecycles:

- Contract negotiation, drafting, and implementation.
- Contract compliance monitoring and enforcement.
- Risk assessment and mitigation strategies.
- Communication and collaboration with stakeholders.
- Resource allocation and cost management.
- Performance monitoring and evaluation.
- Dispute resolution and contract renegotiation.

DEVELOPMENT FACILITATION AND PLANNING

AMB guides community and infrastructure development:

- Stakeholder engagement and collaboration.
- Regulatory compliance and permitting.
- Land use planning and zoning.
- Infrastructure development planning and design.
- Environmental impact assessments.
- Sustainable growth strategies.
- Project management and coordination.



Architectural drawings completed for Mbekweni High School for the tender and construction phases

Architectural drawings completed for this office building for the construction phase

AMB Engineers has built a reputation for delivering projects on time and within budget, ensuring client satisfaction every step of the way.



Architectural drawings completed for this house for the construction phase

Architectural drawings completed for municipal offices for the tender and construction phases

ARCHITECTURE

AMB maintains high standards in Architecture:

- Architectural design for various building types including institutional, industrial, residential, commercial, and municipal.
- Building code compliance and regulatory approvals.
- Space planning and interior design.
- Construction documentation and specifications.
- Sustainable design practices.
- Project management and coordination.
- Collaboration with engineers and consultants for integrated design solutions.

SOLUTIONS

ENGINEERING | DEVELOPMENT | DESIGN

PROJECT PORTFOLIO

The extensive AMB
portfolio includes the
following projects:



PROJECTS

CIVIL ENGINEERING

No	Project Name	Contract Value	Project status at July 2024	Nature of involvement
1	Facilitate the rollout of rural road asset management system	R200 000	Complete	Project facilitation and technical input
2	Design of R61 - Ngangelizwe Road and bridge	R20 m	Complete	Design
3	Design of Rietvlei culvert, bridge and access road	R3 m	Complete	Design and construction supervision
4	Design and construction of Rietbron internal streets	R21 m	Complete	Project management
5	Construction of Umzimkhulu Township roads and stormwater (surfacing)	R15 m	Complete	Project management
6	Design and project management of Umzimkhulu sewer reticulation system	R12 m	Complete	Project management
7	Design and construction of Upper Tabase Water Scheme	R5 m	Complete	Design and construction
8	Construction of Somerset East roads and stormwater	R8 m	Complete	Project management
9	Study and assessment on the function of water and sanitation status in SBDM municipalities	R800 000	Complete	Project management
10	Design and construction of Ibisi culvert bridge	R600 000	Complete	Design and construction supervision
11	Construction of water and sanitation facilities to 154 schools in the Eastern Cape	R380 m	Complete	Project management
12	Construction of EC Mthonsi Lodge in Fort Beaufort	R30 m	Complete	Civil engineer/project manager
13	Upgrade of Vukani Road from gravel road to block paving in Grahamstown	R18.5 m	Complete	Civil engineer/project manager
14	Construction of 1 003 toilet top structures in Ext. 6 in Grahamstown	R16.7 m	Complete	Project management
15	Upgrade of Koyana road to an IPTS route Section 1 MR449 to Jamela Street	R21 m	Complete	Civil engineer/project manager
16	Upgrade of Koyana Road to an IPTS route Section 2 Jamela Street to Johnson Road	R25 m	Complete	Civil engineer/project manager
17	Upgrade of Koyana Road to an IPTS route Section 3 Johnson Road to Qeqe Road	R25 m	Complete	Civil engineer/project manager

No	Project Name	Contract Value	Project status at July 2024	Nature of involvement
18	Upgrade of National Route R61 - Section 8 through St Barnabas (km 33.5 to km 36.5) and the construction of community access roads	R100 m	Complete	Site agent
19	Construction of Maphumulo Bulk Water Scheme	R53 m	Complete	Site agent
20	Routine road maintenance in the Amathole District	R14 m	Complete	Site agent
21	Mangxamfu water supply project, Mount Frere	R6 m	Complete	Site agent
22	DPWI projects. Programme management services	R173 m	Complete	Project management
23	Mt Ayliff Regional Office block. Design and professional construction project management	R450 m	Complete	Civil and project management
24	Mt Ayliff Regional Office accommodation, regional facility. Project management services	R450 m	Complete	Civil and project management
25	Alice main sewer pump station. Design and project management, feasibility study, detailed design	R138 m	Ongoing	Project management
26	Mgwali North Phase 1. Project Management and Design	R17 m	Ongoing	Water and sanitation
27	Mgwali North Phase 2A. Design and Project Management	R67 m	Ongoing	Water and sanitation
28	Mgwali North Phase 2C	R53 m	Ongoing	Water and sanitation
29	West Victoria East Phase 4A	R19 m	Ongoing	Water and sanitation
30	West Victoria East Phase 4B	R124 m	Ongoing	Water and sanitation
31	Mgwali North Phase 2B	R33 m	Ongoing	Water and sanitation
34	Appointment of a panel of professional service providers to provide built environment for three years (as and when required)	N/A	Ongoing	Sanitation
35	Port St Johns Ward 12		Ongoing	Sanitation
36	Port St Johns Ward 4		Ongoing	Sanitation
37	Ingquza Hill Ward 5		Ongoing	Sanitation

PROJECTS

MECHANICAL ENGINEERING

No	Project Name	Contract Value	Project status at July 2024
1	Kagiso Midwifery. HVAC design, draughting, budget estimates, site inspections, site meetings, and project administration	R20 m	In progress
2	Kusile Power Station. Oversee installation, operation, and maintenance and repair to ensure that machines and equipment are installed and functioning according to specifications. Budget estimates, site inspections, site meetings, and project administration	R156 bn	In progress
3	Kagiso Midwifery. New cluster offices	R400 m	Complete
4	Pholosong Hospital. Hospital-HVAC design, draughting, budget estimates, site inspections, site meetings, and project administration	R10.45 m	Complete
5	South Rand Hospital. HVAC design, draughting, budget estimates, site inspections, site meetings, and project administration	R15.7 m	Complete
6	Mt Ayliff Regional Office Block. Design and mechanical engineering services. Design and project management	R288 m	Complete

ELECTRICAL ENGINEERING

No	Project Name	Contract Value	Project status at July 2024
1	Sans Souci-Nivens Drift 132 kV powerline. Sans Souci-Nivens Drift 132 kV powerline	R75 m	Complete
2	Tombo-Mafini 132kV powerline. New 132kV bulk supply for electrification	R70 m	Complete
3	Noninzi Luziphohle Primary School, Kwanobuhle	R40 m	Complete
4	Mount Ayliff Office Complex. New cluster offices for various government departments	R400 m	Complete
5	Jansenville MV/LV Reticulation. Refurbishment of MV/LV reticulation in Jansenville	R5 m	Complete
6	Jansenville Bulk Supply upgrade. Jansenville new 2 x 2MVA substation	R6 m	Complete
7	Mt Ayliff Regional Office Block. Design and electrical engineering design	R288 m	Complete

ARCHITECTURAL PROJECTS

No	Project Name	Client	Budget	Duration
1	Mount Ayliff Cluster Offices - Block A	Department of Public Works	R97 mil	2021 - 2023
2	Mount Ayliff Cluster Offices - Block B	Department of Public Works	R97 mil	2021 - 2023
3	Sterkspruit CJSS	Department of Public Works	R14.7mil	2022- 2023
4	Nkopane JSS	Department of Public Works	R36.9 mil	2021- 2023
5	Makhanda Workshops	Department of Public Works	R11 mil	2021- 2022
6	SS GIDA Hospital	Department of Public Works	R39.7 mil	2022- 2023
7	Mbekweni HS. Construction of New Mbekweni HS Stages 1-6	DBSA	R70 mil	2016 - 2019
8	Intlangano SPS. Construction of New Intlangano SPS Stages 1-5	IDT	R18 mil	2016 - 2021
9	Gobinamba SSS. Construction of New Gobinamba SSS Stages 4-5	DBSA	R66 mil	2016 - 2018
10	Waban SSS. Construction of New Gobinamba SSS Stages 4-5	DBSA	R31.6 mil	2017 - 2018
11	Barkerville SPS. Construction of New ECDC Stages 1-4	ECDC	R3 mil	2016 - 2019
12	St Mary's Hospital, Mthatha. Proposed Medical Centre - Stages 3 and 4			
13	New 34 bed Pead's Ward Life Beacon Bay Hospital, East London - Stages 3 and 4			
14	Proposed New Nurse College Life Beacon Bay Hospital, East London - Stage 3			
15	Proposed Guest Lodge – Mpongo Park Private Game Lodge - Stages 3 and 4			



AMB Engineers is more than a service provider; we are partners in progress. Our commitment to delivering superior quality, fostering innovation, and building lasting relationships sets us apart in the industry.

THE AMB TEAM



TEAM EXPERTISE

EXPERIENCE | PASSION | SPECIALISTS



BHEKUYISE MAKEDAMA
MANAGING DIRECTOR

Bhekuyise (Bheki) Makedama is a highly accomplished Civil Engineering professional with a diverse educational background and extensive industry experience spanning over 20 years. He began his career in 1993 at Hawkins Hawkins & Osborn Engineers, later joining V3 Consulting Engineers in 1997. His professional journey led him to work with the Nelson Mandela Metropolitan Municipality's design and contracts division, where he played a pivotal role in the Design and Construction of Municipal Engineering Services. Bheki's qualifications include a Diploma in Civil Engineering (S4), a B.Tech Degree, a BSc Hons Applied: Civil Engineering, a Master of Engineering, MBA, and he is currently pursuing a PhD in Construction Management.

Registered with the Engineering Council of South Africa as a Candidate Technologist and a member of the South African Institute of Civil Engineers, Bheki brings a wealth of expertise in Project and Programme Management, Design, and Construction of roads and Transportation Engineering. His strategic acumen, honed through his MBA studies at UCT GSB, has enabled him to serve as a part-time lecturer at the WSU School of Engineering and Science (East London Branch), offering courses such as Traffic Engineering, Transport Technology, and Pavement Design and Material.

An ardent entrepreneur with strong interpersonal relations skills and a visionary leader, Bheki founded AMB Engineers (Pty) Ltd with the aim of establishing an alternative engineering company that focuses on delivering innovative solutions to complex engineering challenges.



PATRICK MAISIRI
DIRECTOR

Patrick Maisiri is a seasoned Professional Engineer (*PrEng, PrCPM, SAICE*) with more than 28 years of postgraduate experience in civil engineering, specialising in water and wastewater development projects. He holds a BSc Engineering Honours (Civil) degree from the University of Zimbabwe and a Masters in Business Leadership (MBL) from UNISA. Patrick's career has seen him work across Zimbabwe, Namibia, and South Africa in various capacities, including Director, Technical Advisor/Expert, Head Civil Engineer, Senior Associate, and Project Manager.

His expertise covers project planning, feasibility studies, construction management, design, contract administration, and office management. Patrick has worked on diverse assignments including dams, bulk water supply, treatment facilities, compliance, and associated infrastructure such as roads and medium buildings/structures. As a Registered Professional Engineer with the Engineering Council of South Africa (ECSA) and a member of the South African Institution of Civil Engineering (SAICE), Patrick brings a wealth of technical knowledge and leadership skills to his role as Technical Director at AMB Engineers (Pty) Ltd.

MR VERNON ACKEER
PROFESSIONAL ELECTRICAL ENGINEER

Vernon Ackeer is a highly accomplished Professional Electrical Engineer with 21 years of industry experience, specialising in engineering design, project management, and business development within the energy sector. He holds a Bachelor of Science degree in Electrical Engineering from the University of Cape Town and is currently pursuing an MBA at Nelson Mandela University. Vernon's career trajectory includes roles at Eskom, ABB South Africa, Liberty, and Pfisterer/Vexila, where he showcased his expertise in managing engineering design projects, manufacturing and testing protection equipment, client relationship management, strategic planning, and financial consulting.

As a Professional Engineer registered with the Engineering Council of South Africa (ECSA), Vernon has significantly contributed to various organisations, providing crucial support in tender evaluations and leading product development projects. His diverse experience in engineering and business domains makes him a valuable asset to AMB Engineers (Pty) Ltd, where he plays a key role in providing engineering design solutions and spearheading strategic business initiatives.

BOIPUSO ISAAC
MASTER OF ARCHITECTURE

Boipuso Isaac, a registered member of the South African Council for the Architectural Profession (SACAP), holds a Master's in Architecture from Nelson Mandela University. With nine years of industry experience, he specialises as a Design and Technical Architect. He is also a DBS Revit Specialist.

Boipuso's portfolio boasts projects of up to R 290 million, including the Mt Ayliff Cluster offices under the Department of Public Works and Infrastructure, Baskerville SPS, Mbekweni HS, and many others. Known for his dedication to producing accurate, high-quality work, Boipuso continuously enriches his professional development through ongoing career-enhancing activities.

MBUYISI NDOLOSHE
DESIGN ENGINEER

Mbuyisi has extensive design and construction management experience in various Water and Sanitation Projects, which he gained while working at UWP Engineers in East London. Coupled with this, Mbuyisi gained lecturing experience at WSU. Mbuyisi has nine years experience in the Civil Engineering Industry and is a registered candidate Engineer with the Engineering Council of South Africa. He is also experienced in structural Engineering and Project Management Theory and practice, enabling him to be a multi-skilled Engineer suitable for small to medium companies with limited resources.

It is the vision of AMB to invest its resources in developing and upskilling African engineering graduates into Professional Engineers and Professional Technologists. Mbuyisi's role in AMB will be that of providing engineering design solutions under the supervision of a professional registered engineer over a short-term period as his extensive experience warrants professional registration.

Mbuyisi Ndoshe is a proficient Design Engineer with a comprehensive background in Water and Sanitation Projects, gained through his work at UWP Engineers in East London. He holds a B.Sc from the University of Fort Hare and a BSc Eng (Civil) from the University of Cape Town, with additional experience in lecturing at WSU. Mbuyisi's nine years of industry experience have honed his skills in Civil Engineering, Structural Engineering, and Project Management Theory and Practice.

As a registered candidate Engineer with the Engineering Council of South Africa (ECSA), Mbuyisi is adept at providing engineering design solutions and contributing to the company's vision of developing African engineering graduates into Professional Engineers and Technologists. His multi-skilled approach makes him a valuable asset to AMB Engineers (Pty) Ltd, where he collaborates with registered engineers to deliver high-quality engineering solutions tailored to client needs.

ENGINEERING
CONSULTING
DEVELOPMENT
TRAINING

Employing the professional skills of accomplished staff, AMB delivers efficient and sustainable engineering development and training solutions to our clients for the benefit of the communities of South Africa.

AMB
ENGINEERS



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