

WHAT WE DO.

Our services can be offered as a total package or as part of a whole, and the scope of the services includes, but is not limited to:

PROJECT DEVELOPMENT & ADVISORY DIVISION

Our project portfolio and area of operation covers all built and natural environment design and engineering phases from research, to drafts and concepts, to detailed construction design, BIM Services, and master planning. No matter the size and complexity of the project, we conduct pre-feasibility studies, prepare tender documents, and offer front-end engineering design (FEED), including rough investment cost estimates.

Working in relationship with other specialized divisions and associate companies, this unit exposes the engineering and construction services division to a range of diversified margin streams within the boundaries of the built environment industry, where we have a proven track record delivering private-public partnerships, concession arrangements, and turnkey solutions.

We offer our services to owners, developers, contractors, government agencies, architects, engineers, financial institutions, and insurance companies in all industries, regardless of the size, scope, or complexity of a project, from concept through project closeout.

This team has also developed the necessary expertise and strategy with global service providers to implement turnkey projects that create value and minimize risk for our clients.

Sectors covered include:

- Airports
- Toll Services & Operations
- Buildings & Civil Engineering
- Renewable energy, including wind, gas, and solar
- Hospitality & Leisure
- Medical & Healthcare
- Facilities Management & Services

Scope of work includes (but is not limited to):

ARCHITECTURE

- All design phases – starting from the preparation of the design brief.
- Turnkey, urban, and landscaping design
- Design of buildings and industrial facilities
- Extensions, modernization, and renovations
- Preparation of material specifications and samplings
- Preparation of reports, drawings, and details
- Provision of in-construction services

INFRASTRUCTURE ENGINEERING

- Development of master plans of city districts or areas
- Development of plot arrangements
- Geometric engineering of roads, including access and trunk roads
- Junction engineering including roundabouts and separated junctions.
- Traffic engineering for estate developments
- Hydraulic engineering of stormwater systems, including culverts, open channels, piped systems, etc.
- Engineering of water supply and wastewater systems
- Coordination of underground utilities on plots
- Preparation of reports, including analyses, drawings, and in-construction services

STRUCTURAL ENGINEERING

- Engineering of reinforced and pre-stressed concrete structures:
 - Shallow foundation engineering for single pads, raft, and strip footings
 - Deep foundation engineering for bored and driven piles
 - Engineering of solid, ribbed, and flat slabs, composite slabs, and filigree slab floors
 - Engineering for civil works such as retaining walls, culverts, manholes, or pipes.
- Engineering of steel structures:
 - Marine quay structures made of steel sheets or king piles.
 - Roof trusses
- Preparation of reports, including analyses, drawings, and in-construction services

MECHANICAL / ELECTRICAL ENGINEERING

- Mechanical services:
 - HVAC engineering
 - Plumbing engineering, including sanitary objects
 - Fire-fighting systems.
- Electrical services:
 - Engineering covering all voltage ranges.
 - Engineering for multi-media equipment
 - Engineering for lighting systems of interior design
 - Engineering for lifts
- Engineering of professional kitchen equipment

PROJECT MANAGEMENT

- Design management and technical coordination.
- Client advisory, engagement, assistance, and support
- Project appraisal, rough cost estimation for small to medium-sized projects
- Preparation of tender documents, inclusive of specifications and bill of quantities
- Evaluation/assessment of tenders & preparation of tender reports
- Evaluation/assessment of subcontractors
- Site supervision as the client's representative
- Contract administration and management.

- Establishment of Baseline Schedule and Budget
- Financial Analysis
- Design team implementation, coordination, and execution.
- Contractor and subcontractor selection
- Supervision of the Architect and Design Team
- Entitlements, Permits, and Approvals.
- Zoning and Feasibility Analysis
- Construction and Draw Disbursements
- Project Accounting and Monthly Reporting
- Construction Coordination
- Cost and Scheduling
- Pre-construction Phase Management Services
- Construction Phase Management Services

VALUE ENGINEERING

- Improvement of designs towards optimized economic solutions.
- Implementation of feasibility studies
- Evaluation of alternative solutions
- Review of design toward sustainability
- Building life cycle optimization (capital vs. operational and maintenance cost)
- Client advisory on the required scope.

CONSTRUCTION MANAGEMENT SERVICES

No matter the contract setting, a Construction Manager's (CM's) responsibility is to the owner and to a successful project.

At its core, a capital project is made up of three parties (excluding the CM).

1. The owner commissions the project and either funds the project directly or finances it through a variety of methods.
2. The architect & engineer, who designs the project; and
3. The general contractor, who oversees day-to-day operations and manages subcontractors,

The CM represents the owner's interest and provides oversight over the entire project directly to the owner. The mandate is to work with all parties to deliver the project on time, at or under budget, and to the owner's expected standard of quality, scope, and function.

Our active construction management service consists of (but is not limited to) the following representative areas:

PROACTIVE CONSTRUCTION MANAGEMENT SERVICES

- Construction Management Consulting
- Program Management
- Critical Path Method Scheduling
- Construction Cost Estimating
- Constructability Reviews
- Project Due Diligence
- Change Order Resolution
- Management Assessments
- Project Risk Management
- Dispute Avoidance
- Construction Claims Assistance & Preparation
- Construction Project Training

FORENSIC CONSTRUCTION CONSULTING SERVICES

- Construction Defect Analysis
- Schedule Delays & Disruptions
- Damages Analysis & Quantification
- Construction Productivity Loss
- Unforeseen and differing Site Conditions
- Assessment of Force Majeure Events
- Defective & Deficient Contract Documents
- Constructive & Directed Change Analysis
- Construction Acceleration
- Standards of Care
- Wrongful Contract Termination or Suspension
- Construction & Engineering Expert Witness Testimony
- Construction Claim Presentation & Negotiation
- Project/Construction Audit & Reporting

CONSTRUCTION CLAIMS SERVICES

Claims avoidance, Best-practice review and drafting of contract terms and conditions, claims management, claims drafting, Claims defense, Dispute management and resolution, Commercial settlement strategies and negotiations, Forensic delay analysis, Quantum evaluation, Termination, disruption, an extension of time, additional payment and variations-based claims, Mediation, Conciliation, Adjudication & arbitration, and Expert witness.

CONSTRUCTION PROGRAM MANAGEMENT SERVICES

Architects/Engineers/Contractors Selection, Design-Build Services; Contract Risk Analysis, Constructability Reviews, Value Engineering, Cost Management, Construction Bid Evaluation, Earned Value Management, Change Order Reviews, Schedule Oversight, Critical Path Method (CPM) Scheduling, Total Float Management, Quality Assurance & Control, LEED Consulting Evaluations, Dispute Avoidance & Claims Mitigation, and Performance & Productivity Assessments; Construction engineering & inspection Services; QHSE control & assurance; Contract Review & Negotiations: Change Order Analysis; Construction Design Reviews; Zoning, permitting, and municipality representation/approvals; Staff Augmentation, Bid Phase Management, Cost Estimating & Evaluations, Construction CPM

Scheduling, Productivity Analysis, Value Engineering, Earned Value Management, Dispute Avoidance & Resolution, Project Control Systems, Inspection & Quality Assurance; Construction & Project Training; Planning & 3rd Party Inspections; Design management (planning, designs, scheduling, interior design); Procurement & Supply Chain Management services; Quality control and assurance; Project management; Project planning & cost control; Risk management; Health & safety coordination.

QA/QC & HSE

Our commitment to quality includes multiple inspection points that ensure every project is delivered precisely to your specifications.

- Quality Control Manager onsite for inspection
- Periodic Q/C checks throughout every fabrication Process
- Q/C Standards exceeding Industry requirements.
- Q/C Manual and Documentation Provided

ENGINEERING & CONSTRUCTION DIVISION

We, as a company, pride ourselves on our ability to build infrastructures such as roads, tunnels, bridges, airports, railroads, facilities, buildings, dams, and other utility projects as we do it right the first time.

No matter the job, our culture of safety, reliability, and quality always comes first. Our project and clients speak on our behalf.

Our capabilities include Engineering, Procurement, Construction, Installation, and Commissioning (EPCIC) project delivery as a whole or individually as a service.

Building Construction

With a benchmark in quality construction, our building construction division undertakes commercial, residential, and specialized building construction projects such as airports, government, institutions, and historic building preservation.

We have a long-established reputation for quality, reliability, safety, and exceeding our clients' expectations within budget, and because of that, we have been able to negotiate and handle a good number of projects.

We can execute any public or private project across any sector in Africa.

Sectors covered include:

- Retail
- Commercial offices
- Residential
- Healthcare
- Hotels & Leisure
- Warehousing and industrial
- Data centers

Civil Engineering & Infrastructure

Our Civil engineering and infrastructure construction capabilities extend across various sectors throughout Africa. Our depth of skills and management experience ensures we can deliver complex projects to exacting standards and specifications.

Sectors covered include:

- Mining infrastructure
- Industrial plants
- Water infrastructure
- Energy infrastructure, including renewable energy.

Roads & Earthworks

The Roads and Earthworks division operates across multiple traditional and specialist engineering disciplines. Our versatile and agile teams are attuned to the intricacies of doing business in Africa. With a modern fleet of plants supported by experienced logistics staff, we provide unparalleled service.

Sectors covered include:

- Road work and bridges
- Mining infrastructure
- Bulk earthworks
- Water infrastructure and dams
- Energy infrastructure
- Rail infrastructure
- Pipeline infrastructure.

Construction Materials

We are committed to maintaining the highest standards of quality throughout every phase of our construction processes. Through our material supply businesses, we manufacture, supply, and install products for all sectors of the global construction market.

SPECIALIZED&SUPPORT SERVICES

Infrastructure concessions & operations. Operations & management (O&M), Industrial Construction Works such as Ready-Mix Concrete and concrete Product Manufacturing; Marine Engineering and Construction Services (Dredging and channel Sweeping; Sand Filling & Stockpiling, Foundation Construction, Pipelines, Shoreline Protection and land Development, and Flood Control and drainage); Asphaltting and resurfacing of Runways/Taxiways/Highway/Roads; Sewerage systems, pipelines, structural components of buildings; EPCM (Engineering, Procurement, Construction, Management); Integrated Oilfield & Support Services; EPC/EPCM/EPCIC Services & Contracts; MEP: Mechanical/Electrical/Plumbing; Acoustic & Sound Proofing; Buildings Services (HVAC, Lifts & Elevators); Fire Detection & Fire Fighting, Sewage & Water Treatments, and Industrial Sewage & Waste Disposal Services; Wood Works & Furniture Design/Manufacturing; Steel Structures Erection; Welding/Fabrication & Metal Works.

OILFIELD ENGINEERING & SUPPORT SERVICES

Structural Steel Fabrication

Our Structural Steel division utilizes full-time skilled professionals to coordinate, fabricate, and manage projects from start to finish. Our hands-on approach ensures the highest quality of craftsmanship and professionalism. We work to fulfill any and every fabrication need, from the most in-depth and complex projects to the less difficult projects.

- Fabrication Completed at a Higher Level of Quality.
- Capabilities average 1400 Tons/Month
- Fully Automated CNC Plasma Beam Line
- Lifting Capability of over 50 Tons

Pipe Fabrication

Our experienced pipefitters & welders have developed highly specialized fabrication & welding techniques.

Our processes include:

- Shield Metal Arc Welding (SMAW)
- Gas Metal Arc Welding (GMAW)
- SAW welding.
- Gas Tungsten Arc Welding (GTAW)
- Flux Cored Arc Welding (FCAW)
- Plasma Cutting
- Combination Welding

We specialize in oil and gas pipe fabrication. Our capacity also includes Skids and Modules.

Piping materials utilized regularly include:

- Carbon Steel "X" grades through 100,000 psi yield
- Stainless Steel Alloys
- Exotic Alloys
- All Chromes

We can complete 2,000 spools per month.

Pipeline Supports & Anchor Bolts

- Pipe Clamp
- Shim Block
- Base Plate Assemblies
- Customized pipe clamps and supports.
- Anchor rods.
- Nuts, washers, plates.

Safety

- Our Safety Commitment is a driving force in every of our operations.

- OSHA Certified Safety Team Members
- Daily/Weekly Safety Meetings with Management and Employees
- Daily Safety Shop Visits
- Periodic Toolbox Meetings
- Employee Involvement

PLANTS & INDUSTRIAL FACILITIES

We are a multi-disciplinary plant and infrastructure constructor, materials and fabricated plant component supplier, services contractor, and provider of turnkey technology packages.

What we do

- Multi-disciplinary plant and infrastructure contractor
- Materials and fabricated plant component supplier
- Turnkey technology packages
- Multi-disciplinary services contractor

CONCESSIONS & OPERATIONS SERVICES

Concession Development

- Leading projects from conception through to financial close as unsolicited bid scheme developers.
- Structuring project-specific documentation.
- The selection, appointment, and management of specialist advisers using our partner's network of international contacts.
- Advice on risk identification, allocation, and mitigation.
- Specialist advice on traffic management, toll, and road pricing systems and infrastructure.
- We, with our partner, prefer to be in the position of investor in any concession project in which it participate in demonstrating our commitment to the project.
- Our partner is recognized by its partners as an asset to any consortium.

Operations & Maintenance

Experience

Operations and Maintenance remain the core business of our partner (Intertoll Europe) in processing 2.5 million vehicles per week, 24 hours per day, and managing over 1,000km of motorway in Europe.

Standards

We have developed an accredited integrated management system compliant with the requirements of:

- ISO 9001:2015 quality management system
- ISO 14001:2015 environmental management system
- ISO 45001:2020 occupational health and safety management system
- ISO 27001:2013 information security management system

Personnel

We recruit, train, and therefore retain the best local talent available in the countries in which we operate, reducing reliance on expatriate personnel and enabling us to provide more cost-effective operations to clients.

Integration

- Risks and responsibilities are allocated to the party best equipped to effectively manage that risk.
- Decisions on the detailed design are undertaken at an early stage, which optimizes the returns of the project company.
- Risk Management: Procedures are in place for risk management that facilitate the identification, management, and mitigation of risk. This ongoing process results in project-specific risk analyses prepared based on a wealth of documented experience to the benefit of clients and users.

Specialised Toll & Motorway Equipment Supply

- We are an independent company not tied to any equipment supplier. Our expertise is focused on providing the most suitable project-specific equipment to satisfy the requirements of the client.
- We are both equipment supplier and operator, eliminating an often-problematic interface, and will always provide the Project Company or client with indemnity against claims from the operator in respect of equipment performance.
- We can present optimum solutions to motorway management challenges that satisfy both the users and the investors based on the local knowledge, experience, and network of international experts employed.
- We undertake specialist equipment supply projects either directly to the client or project company or through a nominated subcontract to the contractor.

O&M Bridges & Tunnels Services

- Efficient and safe operation management of technical facilities requiring complex maintenance, supported by proven and reputable IT tools.
- O&M Management and Staff by responsible managers, engineers, shift supervisors, and the entire site staff
- O&M Full Scope by responsible managers, engineers, shift supervisors, and the entire site staff, procurement of spares and third-party personnel in the context of temporary employment
- Operations Control Services – Electrical & Mechanical equipment maintenance, Tunnel Maintenance, and Incident & Traffic Management.
- Control Room Setup and Management
- Damage analysis & Defect Rectification
- Due diligence of existing Bridges and Tunnels Structures
- Condition assessment of Bridges and Tunnels structure and their components – Principal & General Inspections
- Organizing individual Tunnel Safety exercises

- Development and securing operational communication facilities

Design & Construction Management of Toll Facilities

- We offer, as a service, the design and construction management of toll facilities through the need for greater input into the design of these facilities by the operator.
- We recognized the need for toll facilities to be easily adaptable to inevitable changes in technology, especially Electronic Toll Collection (ETC) and free-flow toll systems, even though these may not be part of the client's initial requirement.

Specialist Consultancy Services

We provide specialist consultancy services to support scheme developers, project companies, and international consultancies on a project-specific basis. The key to our working style is partnership. We start by understanding the challenges that your project is facing and then bring on board experts from our global network to provide the precise consultancy support you require and work with you to propose solutions that answer your needs.

POWER & RENEWABLE ENERGY DIVISION

We are fully equipped to carry out assignments for hydro and thermal power generation, renewable energy, transmission, and distribution of power, from concept to commissioning, with state-of-the-art know-how and techniques. We have extensive experience in providing services for feasibility studies, detailed engineering design, technical and commercial due diligence of tender documents, bid process management, project management, etc., with a commitment to deliver services with the highest performance standards.

We operate as developers, Co-developers, equity participants, turnkey design-and-build contractors, consortium partners, or constructors of power plants.

Our activities revolve around every area of the power sector, such as Integrated Power/Renewable Energy Generation, Transmission, Distribution, Systems & Control, and Rural/Urban Electrification Services.

We provide electrical design, erection, and installation services such as:

- Urban electrification
- House installation
- Electrical infrastructure
- Power distribution
- Street lighting
- Public address system
- Solar solution
- High tension

- High/Low/Extra Low Voltage

EXPLORATIONS & MINING DIVISION

We are a diversified, multi-resource exploration, development, and production company dedicated to unlocking the full value of strategic natural resources across minerals and hydrocarbons. Our portfolio spans hydrocarbons, gold, copper, lead, zinc, zirconium, lithium, hafnium, niobium, and a broad suite of rare earth elements essential to global innovation and sustainable development.

We combine global technical expertise with strong local insight, supported by a near-new fleet of modern equipment, advanced technologies, and internationally certified professionals. Through our operating subsidiaries and strategic partnerships, we have successfully executed major exploration and development projects across multiple regions.

In an increasingly dynamic global market, we serve as a reliable, independent, and long-term supplier of critical materials, empowering industries such as clean energy, aerospace, electric vehicles, artificial intelligence, advanced manufacturing, automation, and healthcare technology.

Our area of operation and services includes.

- Integrated Geological Exploration and Mining: Solid Mineral Exploration, Development, Mining, and Processing.
- Petroleum and Natural Gas Exploration, Development, Production, Processing, Products Distribution, and Sales.
- Integrated Oilfield Services.
- Integrated Geological and Geotechnical Engineering Services.

OUR COMMITMENT

We operate with a clear focus on safety, efficiency, environmental responsibility, and long-term value creation. By delivering sustainable resource development and maintaining strong partnerships with our clients and host communities, we contribute to building a more secure and resource-efficient future for industries and nations worldwide.

TRANSIT SYSTEMS & LOGISTICS DIVISION

We are a full-service transportation, logistics, and transit system development company, proudly indigenous and committed to transforming Africa's mobility landscape through efficient, sustainable, and locally relevant solutions. Our operations span the full spectrum of transportation and logistics services from the conceptualization and development of modern transit systems to the management of complex supply chains that power Africa's industries and communities.

Our core competencies include:

Infrastructural

Development of Roads, Railways, Marine, and Aviation systems designed to world-class standards yet tailored to Africa's terrain and mobility needs.

Urban Transit

Planning and Implementation, developing efficient, inclusive, and eco-friendly public transport solutions that connect people, reduce congestion, and support urban growth.

Logistics and Supply Chain Solutions, End-to-end logistics service including freight management, warehousing, last-mile delivery, and smart logistics.

Fleet Management and Transport Operations provides sustainable fleet solutions, maintenance services, and operational management for both public and private sector transportation networks.

With deep roots in Africa's socio-economic fabric, we leverage indigenous expertise, local partnerships, and cutting-edge technology to deliver transportation systems that drive connectivity, commerce, and development.

WHAT WE DO.

The area of operations includes Integrated Transit Systems Development (Waterways/Airports/Terminal/Harbors); Integrated Facilities Operations and Management, Passenger and Cargo Transportation, Fleet Maintenance and Repairs/Spares, and Support Services.

Aviation & Aerospace Services

Integrated Aviation & Aerospace Services (Airlines & Airport Operation, Airport Management, and Airport Ground Operations).

Marine Logistics & Services

Integrated Marine Logistics and transportation Services; Shipping and maritime (Ship Agency, Ship Chartering, Stevedoring, Off-Dock Services; Packing and removal, Marine Services, and Imports & Export Services; Ports Operations, Haulage & Logistics, Warehousing; and Procurement & Supply Chain Management Services).

Automotive & Transportation Services

Serving a very diverse audience, this is the certified automotive engineering division, and as a company, we specialize in all kinds of Vehicles, including light trucks, heavy-duty vehicles, equipment, and Plant & Machinery.

Some of our warranty-backed services and areas of operation include:

- Sales/Lease & Finance, Repairs & Maintenances (Electrical & Mechanical),
- Computerized Tire Services & Sales,
- Bespoke Vehicle Customizations, Body Shop & Services, Spare Part Sales,
- Training & Consultancy Services,
- Transportation (Mass Transit) Services

- Manufacturer's Representative and General Contracting Services.

INDUSTRIAL & MANUFACTURING DIVISION

Engineered for productivity, built for diversification, and driven by innovation, our Industrial & Manufacturing Division operates as the Group's primary production backbone—equipped with modern industrial facilities and advanced engineering capabilities. The division's mission is clear: to design, develop, and manufacture an extensive portfolio of products that serve key sectors of the economy while strengthening local industrial capacity.

What We Produce

Backed by long-standing international and technical partnerships, our manufacturing scope includes:

Aerospace & Mobility

- Aircraft/aerospace ducting components
- Precision gears and lubrication systems
- Automotive and truck components
- High-performance industrial strainers
- Industrial hoses & expansion joints

Industrial Systems & Equipment

- Construction and engineering machinery
- Gear and machining solutions
- Healthcare and industrial equipment

Building & Consumer Products

- Steel lockers and storage systems
- Ceramics and sanitary ware
- Electrical and electronic appliances
- A variety of durable building materials

Partnership-Driven Manufacturing

We leverage decades of bilateral relationships with industry leaders to incorporate global standards, advanced technologies, and specialized know-how into every product.

Contract Manufacturing

Beyond our own product lines, we deliver full contract manufacturing services—supporting partners with prototype development, precision fabrication, assembly, and large-scale industrial production.