



# Civil Construction Specialists

Infrastructure | Roads | Pipelines | Specialised Services



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Riverwalk, Pretoria

# About us

KMC Construction was established in 1997 in the infrastructure development and construction market by Jacques N Bakkes, Managing Director. From humble beginnings, KMC Construction soon became synonymous with quality and excellence in the civil engineering, construction and property development domains.

Our hands-on approach has secured KMC Construction on several leading housing developers' closed tender lists and our private sector client base continues to grow.

KMC Construction's rich and long history in infrastructure construction has provided a solid foundation for our rapid expansion, particularly over the past decade. KMC Construction is a multidisciplinary contractor with specialised teams working on leading construction projects across Southern Africa.

The combined use of improved construction methods and designs with technologically advanced machinery and equipment sets KMC Construction apart. Our unique approach results in savings for our clients, increased productivity as well as improved quality and durability of infrastructure delivery. This approach has been a key driver in KMC Construction's success.



## Our People

KMC Construction is people oriented. The health and safety of our teams and the environment they operate in, is our priority, as reflected in KMC Construction's impeccable HSE record. We strive to constantly improve our health and safety systems for our employees and to ensure a cleaner, safer environment where employees can work, train and learn.

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## Values

Quality, Integrity, Innovation, Service Excellence and Professionalism.

## Vision

Our vision is to be the contractor of choice for quality infrastructure - leading through innovation. We achieve our vision through our values.

## Mission

We strive to change lives with high quality infrastructure and to leave a proud legacy for generations to come.

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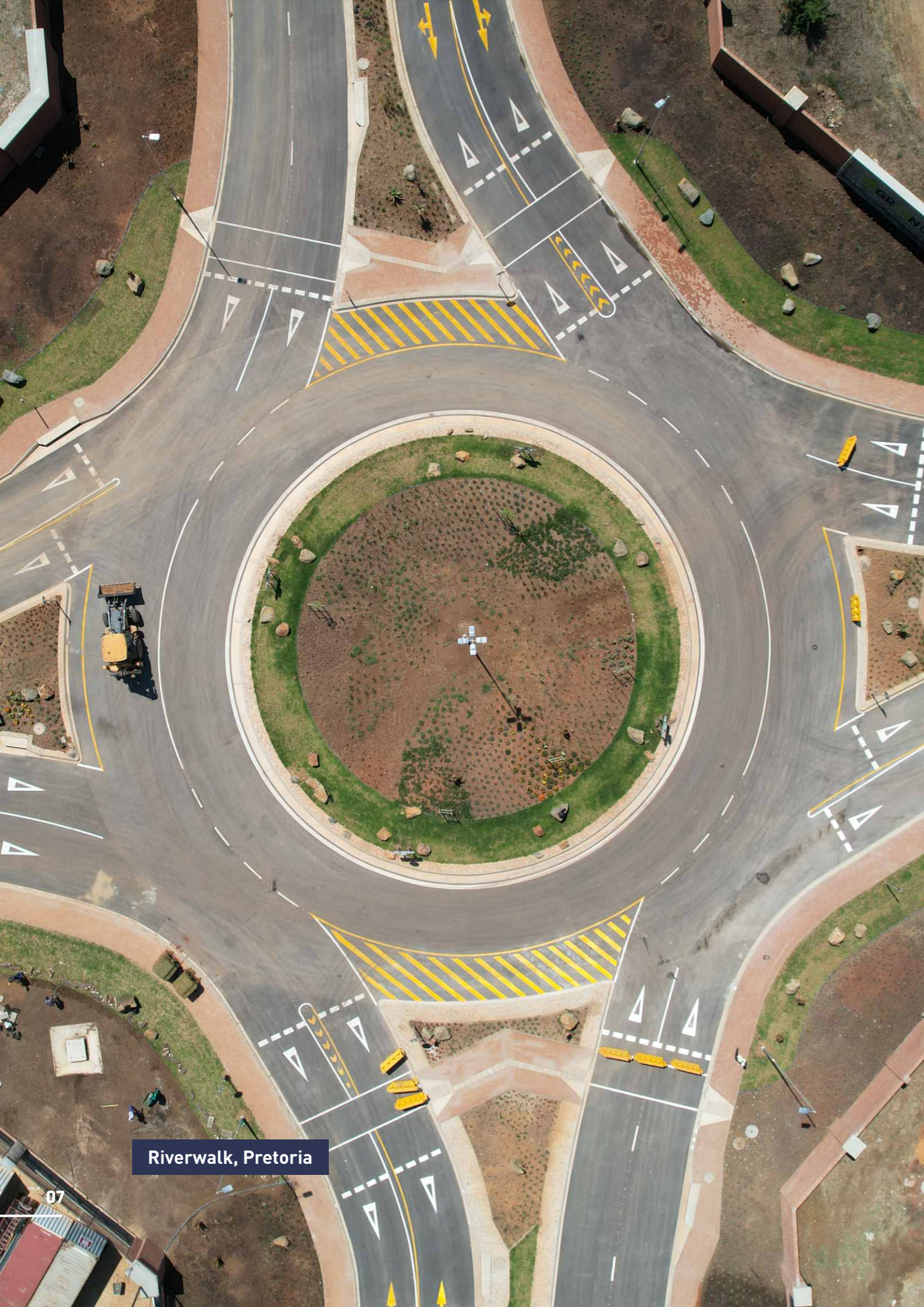
## Expertise

**Bulk Infrastructure:** Sewer; Water; Stormwater; Cabling; and Streets  
**Roads:** Construction; Rehabilitation; and Maintenance  
**Pipelines:** PVC; HDPE; Precast; Small Diameter Pipelines; and Large Diameter Steel Pipelines  
**Specialised Services:** Asphalt Paving; Slipform Paving (Roads, Channels, V-Drains and Kerbing); Continuous Mixing and Paving (in-plant stabilisation, e.g. Bitumen Stabilised Materials)

# QUALITY



Hazeldean Drive, Pretoria

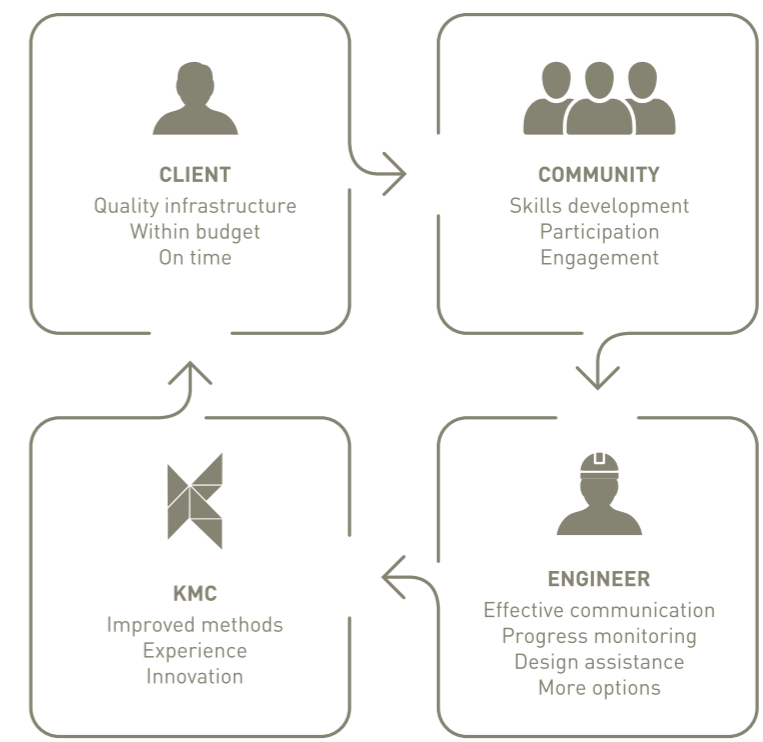


Riverwalk, Pretoria

# Construction – Partnership

Building relationships with all stakeholders involved in a project remains one of the most important aspects of KMC Construction's mandate, which results in stakeholder satisfaction.

Delivery of a superior product is only possible when the wants and needs of all stakeholders are clearly understood. This knowledge has allowed KMC Construction to realise the importance of assembling the best possible team of expert consultants and trade partners. We believe the only way to achieve this is by building long-term relationships with all stakeholders.



## Serving our communities

KMC Construction's projects have a direct impact on local communities and provide vital services such as ease of access, housing, water and sanitation. We are proud to witness the positive impact our products have on each community's quality of life, playing a part in providing hope - helping shape their own expectancy of the future.

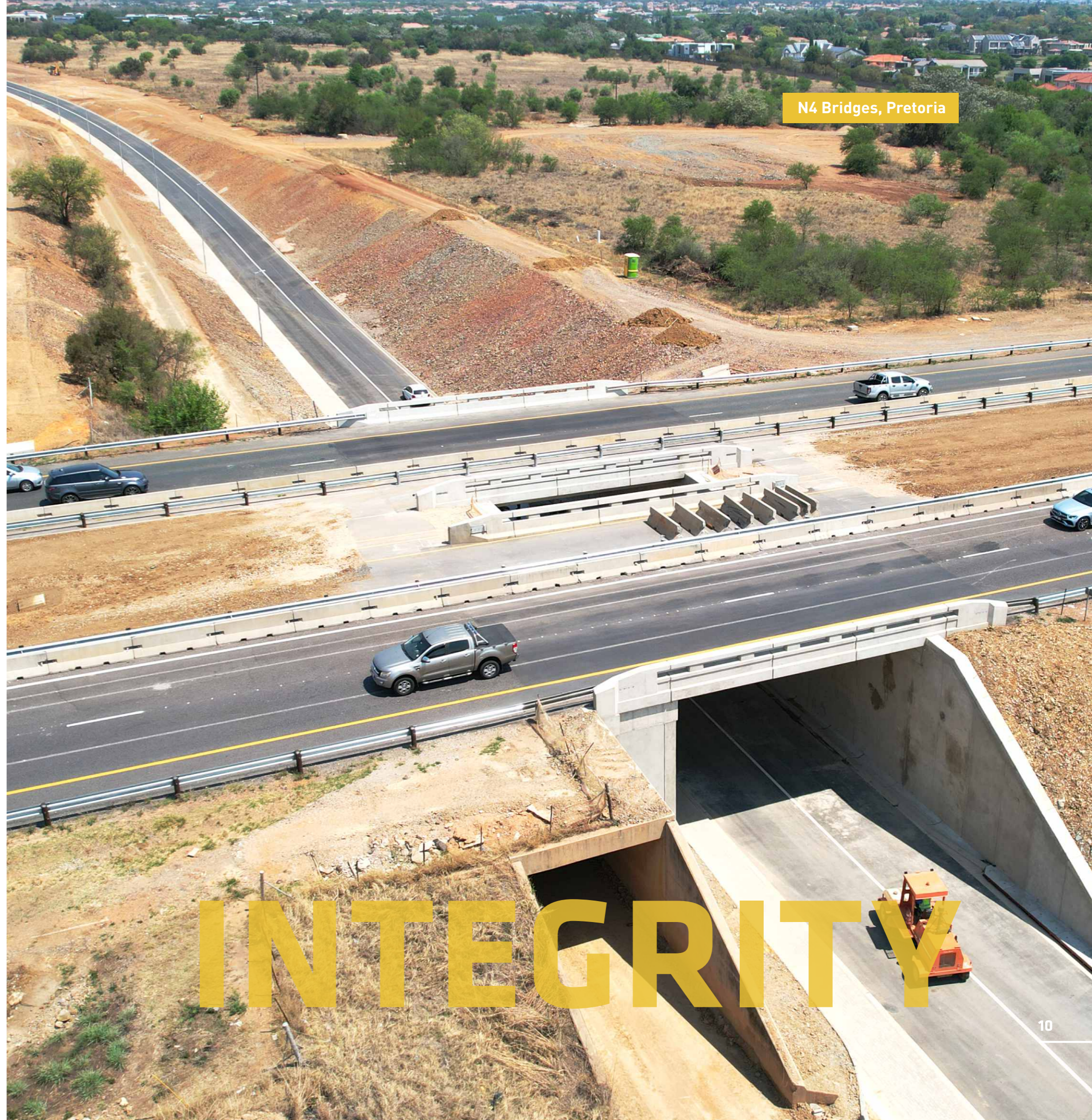
## BBBEE

**Level 1 BBBEE Contributor - since April 2020.**  
Transformation is a central part of KMC Construction's goal to create a sustainable future for all. We are pleased with the progress we have made with regards to our BBBEE level and remain committed to the transformation of the industry.

N2, Mtunzini



N4 Bridges, Pretoria



**INTEGRITY**

# Infrastructure Division

KMC Construction has successfully serviced more than 34 000 residential stands and has currently secured work with most major property developers in and around Gauteng. At KMC Construction we understand the need for timeous handover of infrastructure to our clients, especially in light of municipal requirements in order for building processes to commence as scheduled. With limited access, space and time for completion, these projects require specialised methods in order to be completed successfully. KMC Construction has mastered these methods over time.

Current Infrastructure Projects	Client	Value
<b>BOSTON HYDRO</b> - POWER PLANT CIVIL & ERECTION WORKS	BOSTON HYDRO POWER PLANT (PTY) LTD	R179M
<b>GLENCOR</b> - PORTABLE WATER FACILITY	GLENCOR - WONDERKOP SMELTER	R11.9M
<b>PROTEA GLEN</b> - EXTENSION 39 / 41 - CONSTRUCTION OF INTERNAL CIVIL SERVICES	COSMOPOLITAN PROJECTS	R19.4M
<b>WATERVALSPRUIT &amp; PALMRIDGE</b> - STORMWATER MANAGEMENT UPGRADES/MODIFICATIONS		R3.4M
<b>COSMO CITY</b> - EXTENSION 40 - PROVISION OF CIVIL INFRASTRUCTURE		R11.5M
<b>MAOKENG</b> - EXTENSION 13 - THE CONSTRUCTION OF INTERNAL CIVIL SERVICES FOR THE TOWNSHIP ESTABLISHMENT	GAP INFRASTRUCTURE CORPORATION (PTY) LTD	R153.6M
<b>THUBELIHLE</b> - EXTENSION 8 - THE CONSTRUCTION OF INTERNAL CIVIL SERVICES FOR THE TOWNSHIP ESTABLISHMENT		R56.6M
<b>THUBELIHLE</b> - EXTENSION 7 - THE CONSTRUCTION OF INTERNAL CIVIL SERVICES FOR THE TOWNSHIP ESTABLISHMENT		R62.9M
<b>MOGALE TAILINGS RETREATMENT PLANT</b> - INFRASTRUCTURE DEVELOPMENT	PAN AFRICAN RESOURCES	R110.8M
<b>BERGVALLEI RETIREMENT ESTATE</b> - INFRASTRUCTURE DEVELOPMENT	ZOTEC DEVELOPMENT COMPANY (PTY) LTD	R63.9M



N4, Pretoria

Recently Completed Infrastructure Projects	Client	Value
<b>TOEKOMSRUS</b> - EXTENSION 2 & 5 - TOP STRUCTURES AND CIVIL CONSTRUCTION	MUNBAK DEVELOPMENTS	R106M
<b>COSMO CITY</b> - EXTENSION 20-28, 41 (LION PARK), 42, 43, 44, 48 & 49 - PROVISION OF INFRASTRUCTURE, BULK WATER AND SEWER, BULK EARTHWORKS FOR PLATFORMS AND RETAINING WALLS, INSTALLATION OF INTERNAL AND BULK EXTERNAL CIVIL ENGINEERING SERVICES	COSMOPOLITAN PROJECTS	R297.5M
<b>PROTEA GLEN</b> - EXTENSION 25, 44, 45, 46 & 51 - INSTALLATION OF INTERNAL CIVIL ENGINEERING SERVICES		R219.2M
<b>PALM RIDGE</b> - EXTENSION 33 & 32 - INSTALLATION OF BULK AND INTERNAL CIVIL ENGINEERING SERVICES		R99M
<b>MINDALORE</b> - EXTENSION 7, PHASE 2 - INSTALLATION OF INTERNAL CIVIL ENGINEERING SERVICES		R17.7M
<b>WATERVALSPRUIT</b> - EXTENSION 14, 17, 19, 20, 37, 50 & 58 - INTERNAL AND BULK EXTERNAL INFRASTRUCTURE, INSTALLATION OF BULK, LINK AND INTERNAL CIVIL WORKS INCLUDING WATER, SEWER, ROADS AND STORMWATER INSTALLATIONS		R255.2M
<b>BARBEQUE DOWNS</b> - EXTENSION 44 - BULK EARTHWORKS AND CONSTRUCTION OF CIVIL SERVICES	ZOTEC DEVELOPMENTS (PTY) LTD	R19.9M
<b>PROTEA GLEN ECO LAKE</b> - EXTENSION 37 - INSTALLATION OF INTERNAL CIVIL ENGINEERING SERVICES	ECHO LAKE TOWNSHIP DEVELOPMENT	R25.6M
<b>MIDSTREAM ESTATE</b> - EXTENSION 69 & 70 - TOWNSHIP SERVICES AND APPURTENANT WORK	BONDEV MIDRAND (PTY) LTD	R20.9M
<b>MIDSTREAM MEADOWS</b> - EXTENSION 56-70 & 75-81 - INTERNAL CIVIL SERVICES INCLUDING MAIN ROADS, STORMWATER AND WET SERVICES		R194.8M
<b>MALIBONGWE RIDGE</b> - INSTALLATION OF BULK, LINK AND INTERNAL CIVIL WORKS INCLUDING WATER, SEWER, ROADS AND STORMWATER INSTALLATIONS	CODEVCO	R77.1M
<b>ZANDSPRUIT</b> - EXTENSION 64, 65, 66 & 67 - EXTERNAL CIVIL SERVICES INCLUDING MAIN ROADS, STORMWATER, WATER AND SEWER NETWORKS	ABLAND	R46M
<b>DOUGLASDALE, BRENTWOOD, BOUGAINVILLIA &amp; ELDORAIGNE</b> - RETIREMENT VILLAGES	CENTRAL DEVELOPMENT PROJECTS	R115M
<b>AMBERFIELD</b> - BULK SERVICES		R76.1M
<b>COSMO CITY</b> - EXTENSION 10	BASIL READ	R32M
<b>SAVANNA CITY</b> - EXTENSION 4A & 1B		R108.0M



# INNOVATION

Boston Hydro Power Plant, Clarens



# Roads Division

For over 20 years, KMC Construction has built roads for the private sector. KMC Construction was able to expand into the public sector with relative ease. Our works include road construction, road rehabilitation and maintenance contracts.

Our passion to innovate has led to KMC Construction developing a far superior process in the application of road construction. Plant-mixed, paver-laid methods are made possible through our specialised team using continuous mixing processes and paver placement approach. Perfecting these methods enables KMC Construction to significantly increase production rates whilst simultaneously reducing our waste factors to near zero. This method of construction directly contributes to the many successes we have enjoyed over the course of numerous projects. Saving our clients time, money and reducing our environmental footprint remain a top priority.

Completed Roads Projects	Client	Value
<b>SUB-CONTRACT</b> - VAAL TRIANGLE ROUTINE ROAD MAINTENANCE PROJECT	BRMC JV, CONSULTING ENGINEER: APHANE CONSULTING	R230.0M
<b>VAAL TRIANGLE</b> - ROUTINE ROAD MAINTENANCE PROJECT	GAUTENG DEPARTMENT OF ROADS AND TRANSPORT, CONSULTING ENGINEER: APHANE CONSULTING	R60M
<b>COSMO CITY</b> - EXTENSION 41 BUS & LINK ROUTE INCLUDING GAUTRANS INTERSECTIONS - INSTALLATION OF EXTERNAL CIVIL ENGINEERING SERVICES, BUS ROUTE & TWO GAUTRANS INTERSECTIONS	COSMOPOLITAN PROJECTS	R25.5M
<b>COSMO CITY</b> - EXTENSION 41 BRIDGE CONSTRUCTION, PILING & RELATED WORKS - INSTALLATION OF EXTERNAL CIVIL ENGINEERING SERVICES & CULVERT BRIDGE STRUCTURE		R3.4M
<b>WATERVALSPRUIT</b> - EXT 25 BUS & LINK ROUTE INCLUDING GAUTRANS INTERSECTION - INSTALLATION OF EXTERNAL CIVIL ENGINEERING SERVICES, BUS ROUTE & GAUTRANS INTERSECTION		R23.9M
<b>RIVERWALK ROADS</b> - EXTENSION OF LAGOON DRIVE, HAZELDEAN BOULEVARD AND SILVERLAKES ROAD, INCLUDING BRIDGE CONSTRUCTION UNDER N4 ROUTE (SANRAL)	BALWIN PROPERTIES	R87.9M
<b>LOUWLARDIA EXTENSION 56</b> - CONSTRUCTION OF BUS & LINK ROUTE INCLUDING ROAD UPGRADES TO NELLMAPUIS DR & OLIEVENHOUTBOSH AVE & MUNICIPAL CIVIL SERVICES	ZOTEC DEVELOPMENTS (PTY) LTD	R45.0M



Toekomsrus, Randfontein



# SERVICE EXCELLENCE



Cosmo City, Lanseria

# Pipeline Division

## Large Diameter Steel Pipelines / Piping Systems and Pumps

KMC Construction has installed thousands of kilometres of township infrastructure pipelines including water, sewer and stormwater (HDPE, precast and steel pipelines). There is much more to bulk water pipelines than just laying pipes. At KMC Construction we recognise the importance of each aspect of the pipeline construction process, from trenching through to commissioning stage.

Our experience has allowed for a smooth transition towards tackling more sophisticated pipeline systems. Large diameter steel pipelines require in-depth knowledge and experience. KMC Construction has assembled a team of experts who are suitably equipped to take on projects of this nature.

Albeit relatively new, this division boasts more than 85 years of combined experience in this field. KMC Construction's Pipeline Division specialises in bulk water pipelines and associated ancillary works including pump stations; mechanical and plant piping systems; storage tanks; valves; pumps; electrical; and instrumentation relating to these works.

Previous Pipeline Projects	Client	Value
<b>SAVANNA CITY PUMP STATION</b> - 315mm BULK SEWER LINE, 6 000m	BASIL READ	R29M
<b>SAVANNA CITY</b> - 600mm BULK WATERLINE, 7 400m		
<b>COSMO CITY SEWER PUMP STATION</b> - 500mm BULK SEWER, 1 900m	COSMOPOLITAN PROJECTS	R87M
<b>COSMO CITY</b> - DN 900 STEEL BULK WATERLINE, 2 700m		
<b>MALIBONGWE RIDGE</b> - WATER RETICULATION, 7 500m	CODEVCO	R18M
<b>GROOTEGLUK TO MARAPONG</b> - STEEL PIPELINE	EXXARO COAL (PTY) LTD	R41.3M
<b>MOOIKLOOF ECO ESTATE</b> - BULK WATER SUPPLY, 2 600m @ 400mm & 1 300m @ 500m	BALWIN PROPERTIES	R38.3M
<b>MOOIKLOOF</b> - BULK WATER SUPPLY, 2 660m @ 700mm		R43,7M

Mogale Tailings Retreatment Plant, Krugersdorp

# PROFESSIONALISM

# Specialised

## G1 Placement

Plant-Mixed Paver-Laid (PMPL) Base Layers (SANRAL)

Completed G1 Placement Projects	Client	Value
<b>NATIONAL ROAD</b> - R573 SECTION 03 FROM SLOVO (km 6.50) TO SIYABUSWA (km 13.30), CRUSHED STONE BASE FOR UPGRADES	SANRAL	R15.6M
<b>COSMO CITY</b> - EXTENSION 41 - INSTALLATION OF EXTERNAL CIVIL ENGINEERING SERVICES & TWO GAUTRANS INTERSECTIONS ON R114 (K52)	GAUTENG DEPARTMENT OF ROADS AND TRANSPORT	R25.5M
<b>WATERVALSPRUIT</b> - EXTENSION 25 GAUTRANS INTERSECTION NO. 13 - INSTALLATION OF EXTERNAL CIVIL ENGINEERING SERVICES & GAUTRANS INTERSECTION		R4.1M
<b>WATERVALSPRUIT</b> - EXTENSION 14 & 58 GAUTRANS INTERSECTIONS NO. 5 & 16 - INSTALLATION OF EXTERNAL CIVIL ENGINEERING SERVICES & GAUTRANS INTERSECTION		R12.7M

# Continuous Mixing & Paving

The RapidMix 400CW is a continuous mixing plant which produces high quality, controlled mixtures for utilisation in a range of civil engineering applications, from airport runways and dam construction to soil stabilisation and the treatment of contaminated land. The mobile nature of the plant, combined with its technologically advanced design, is most advantageous in allowing KMC Construction to meet the demand on projects.

The RapidMix 400CW provides a cost-effective solution to projects where compliance with technical specifications coupled with demand for high-volume output is critical. Blending of materials is done at rates of between 300 and 400 tons per hour.

### APPLICATIONS:

- Blending of multiple aggregates for road construction
- Stabilising of aggregates with cement and/or bituminous emulsion to optimum moisture content (OMC) for road subbase and bases
- Mixing of G1 material to OMC for road bases
- Roller-compacted concrete (RCC)

The final aggregate produced with the RapidMix 400CW is transported to an aggregate paver which then spreads and places the material to the required width and grade for the roadway being constructed. The remainder of the process follows conventional methods.

There are three distinct advantages when using the in-plant process. First, it results in improved workability and lead times as the material is placed at the precise OMC. Second, there are no windrows (i.e. near zero waste of expensive material). Third, the consistency of the blended material, mixed with the in-plant method, cannot be matched with conventional methods - This fact is critical to the durability of the road. Overall, the quality of the product is improved with greatly reduced lead times also being achieved.

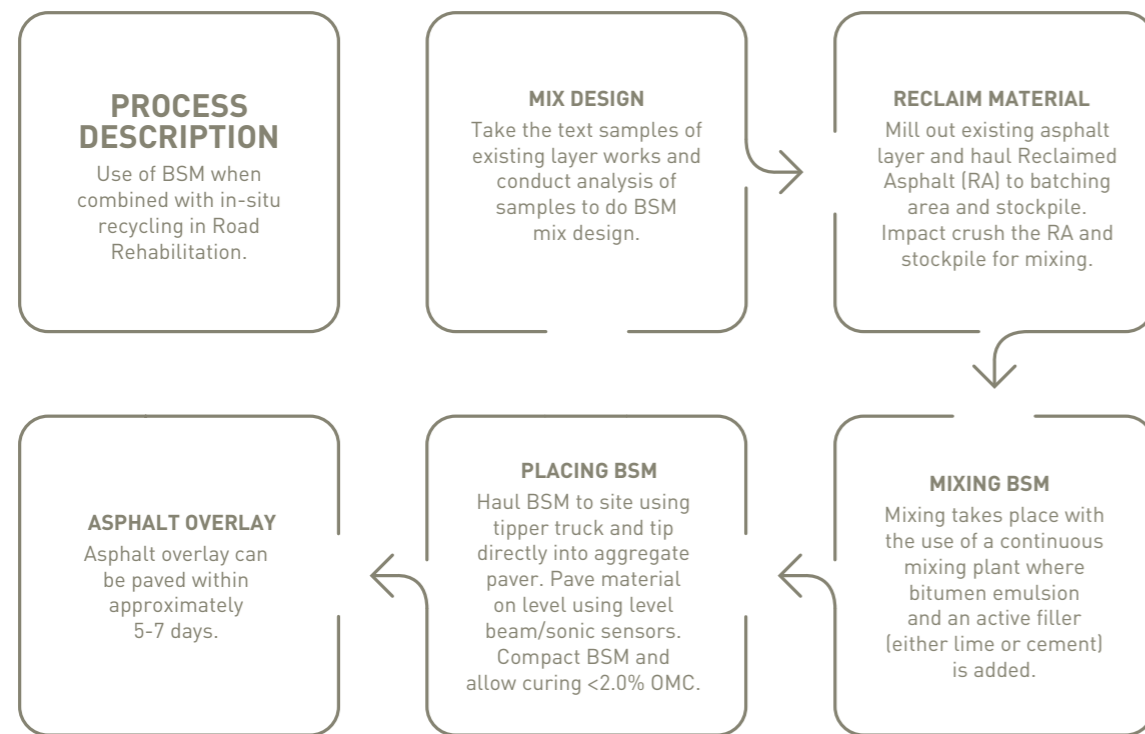


# Bitumen Stabilised Materials

Ever increasing economic pressure and environmental awareness drives the development of more effective technologies for road construction and rehabilitation. This has seen an increased interest in pavement rehabilitation using in-situ stabilisation with bitumen products. Stabilisation with bitumen provides environmental benefits such as low temperature construction and the use of existing material in the pavement structure.

Our continuous mixing plant process positions KMC Construction as a market leader in the application of bitumen stabilised materials (BSM). In-plant treatment of materials results in far consistency and homogeneity compared to other conventional methods of mixing and blending of material. This has recently been proven on a road rehabilitation project in the Vaal Triangle area where several sections of BSM base layers were constructed successfully. Numerous tests were performed on-site including tests relating to comparisons between using a road recycling machine versus the in-plant treatment method employed by KMC Construction. Test performed by certified laboratories, in close collaboration with Pavement Engineers, proved that the in-plant mixing method is a superior process.

The efficiency of this method of construction means that clients are able to build more kilometres of road with the same budget. Further to this, roads constructed using BSM layers are far more durable due to the high level of consistency achieved using this method.



Completed BSM Projects	Client	Value
<b>BLACKWOOD DRIVE</b> - EMFULENI - RECONSTRUCT. 4 232m DUAL CARRIAGEWAY 9.3m WIDE, 78 715m <sup>2</sup> MILL OF EXISTING SURFACE - 5 155m <sup>3</sup> , SUBBASE 1 651m <sup>3</sup> , BSM 2 452t, BTB 3 447t, ASPHALT 2 228t	GAUTENG DEPARTMENT OF ROADS AND TRANSPORT	R42M
<b>MARIBU STREET</b> - EMFULENI - RECONSTRUCT - 1 030m SINGLE CARRIAGEWAY 9.3m WIDE, 9 579m <sup>2</sup> MILL OF EXISTING SURFACE 1 140m <sup>3</sup> . SUBBASE 5 153m <sup>3</sup> , BSM 8 115t, ASPHALT 790t	GAUTENG DEPARTMENT OF ROADS AND TRANSPORT	R50M
<b>MOSHOESHOE STREET</b> - EMFULENI - RECONSTRUCT 1 305m SINGLE CARRIAGEWAY 8.4m WIDE 10 962m <sup>2</sup> - MILL OF EXISTING SURFACE 1 103m <sup>3</sup> , SUBBASE 1 776m <sup>3</sup> , BSM 3 678t, ASPHALT 1 849t	GAUTENG DEPARTMENT OF ROADS AND TRANSPORT	R50M
<b>R42</b> - EMFULENI - RECONSTRUCTION OF DUAL CARRIAGEWAY 9.4m WIDE, MILL OF EXISTING SURFACE, SUBBASE, BSM, ASPHALT	BALWIN PROPERTIES	R87.9M



Hazeldean Drive, Pretoria

# Asphalt Paving

The responsible use of fossil fuels and associated binder products used by the asphalt industry drives the need for constant innovation. Continuous research into engineering stronger asphalt pavements which are more economical and sustainable also results in the necessary changes to the methods of construction required. As these changes occur, we will ensure adaptation through the use of the latest technology of asphalt pavers in our fleet. Incorporating 3D survey technology we are able to ensure that the best quality, rideability, levels and grades are achieved in the roads we construct.

Completed Asphalt Projects	Client	Value
BUS ROUTES, LINK ROUTES & INFRASTRUCTURE ROADS - ASPHALT	PRIVATE	R94M
R59 - ASPHALT	GAUTENG DEPARTMENT OF ROADS AND TRANSPORT	R41M



# Slipform Concrete

KMC Construction possesses a wealth of experience when it comes to slipform paving. Starting from smaller jobs, using medium-sized pavers on our infrastructure projects and expanding to major projects, using specialised slipforming techniques, for major contractors. Through the amalgamation of the slipform operation from another major contractor, KMC Construction was able to procure the machines, equipment and teams involved in all their past successfully executed slipform work. We now boast the largest complement of slipform pavers in the country allowing us to offer a broad range of products including, but not limited to: roads; runways; track slabs; barriers; parapets; channels; sidewalks; and drains.

Completed Slipform Concrete Projects	Client	Value
MAJUBA POWER STATION - RAIL LINE, 29 000M U-DRAINS	AVENG GRINAKE-LTA	R10.2M
RIETKUIL LOADING FACILITY- 2 600m V-DRAIN, 3m WIDE OFF-SET	EXXARO	R1M
NATIONAL ROUTE 2 UPGRADE - 30 000m V-DRAIN	CONCOR	R15M
SAVANNA CITY - DEVELOPMENT, 12 000m V-DRAINS	BASIL READ TEAM	R9.3M
SAVANNA CITY - DEVELOPMENT, 15 000m KERBING		
<b>CONCRETE PAVEMENTS:</b>		
• N12 GFIP - 44 000m <sup>3</sup>		
• N6 SMITHFIELD - 2 400m <sup>3</sup>		
• MANTSOLE TRAFFIC CONTROL CENTRE - 3 400m <sup>3</sup>		
• GONUBIE MAIN ROAD - 10 000m <sup>3</sup>		
• HAUL ROAD, KUSILE POWER STATION - 1 200m <sup>3</sup>		
BEITBRIDGE BORDER POST - SLIPFORM PAVING FOR UPGRADE OF 60 000m <sup>2</sup> OF PAVING	RAUBEX	R9.7M
WATERVAL SPRUIT - EXT 25 & PALM RIDGE EXT 33 - SLIPFORM OF FIG 8 MOUNTABLE KERBS, 15 000m	COSMOPOLITAN PROJECTS	R3.4M
WOLF WIND FARM - SLIPFORM PAVING FOR ACCESS ROAD - 7 700m <sup>2</sup>	CONCOR	R3.1M



Wolf Wind Farm, Eastern Cape





# Wirtgen SP500 & SP25 Slipform Pavers

## Best precision available

We employ fully automated 3D guidance systems, backed by Leica Geosystems.

## Low slump concrete

Low slumps and cement-water ratios result in high early strengths and mean that the pavement may be trafficked sooner.

## Best for large area of paving

Pavers are capable of producing thousands of square meters of concrete pavement on a daily basis.

## It is a faster process

Slipform paving is classified as a rapid construction technique meaning high production rates are achieved repeatedly, saving both time and money.

## Creates better looks

Producing a high-quality product, consistently means that the end-product looks great, all the time.



Beitbridge, Zimbabwe



## Power Curber® & Reimer® Mobile Continuous Concrete Mixer

The Power Curber 5700-C, including its predecessor 5700-B, models are KMC Construction's highly successful 'one-machine' solution for in-situ concrete slipform applications. This machine's compact size and versatility allow KMC Construction to achieve high levels of productivity, a high-quality product, great finishing, all at a very competitive price. The Power Curber can manoeuvre itself out of tight spots fast, making tight radius work as typically found in parking lots a breeze.

Besides a variety of curbing, the Power Curber can quickly convert to cast V-drains (up to 3m wide), U-drains, barriers, sidewalks, bridge parapets and other specialised slipform works. Aided by a mobile continuous concrete mixer (Reimer), efficiency is guaranteed, especially in remote areas. The Reimer also enables the Power Curber team to adjust the concrete mix design instantly, if required.

Ermelo



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