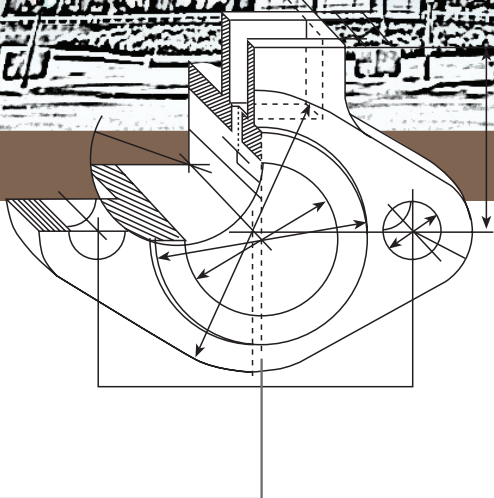


Civil Engineering

Developing the
African landscape



RAIL PARADIGM

Civil Engineering

Civil Engineering Roads, railways, dams, bridges, buildings, pipelines, housing ... Much of this basic infrastructure in Southern Africa is in an antiquated state of disrepair, and cannot sustain the communities that depend on it. Existing infrastructure can no longer safeguard the environment. Maintaining existing infrastructure and developing new infrastructure is stifled by the global market crashes and the lack of local skills.

Civil engineering, historically the cornerstone of all community development, must now do more with less. In Southern Africa, the provision of basic infrastructure is a great challenge, one which requires creativity, intelligence and experience while embracing environmental conservation. The prospect of rising to this challenge is irresistible. At **Rail Paradigm** we thrive on positively engineering, developing and sustaining the future of communities.

Solutions

We are proficient in the intelligent design and construction of all civil engineering requirements across the whole infrastructure spectrum. In every project we undertake, designated divisional directors guarantee safety compliance and completion on time and within budget. Our offerings include:

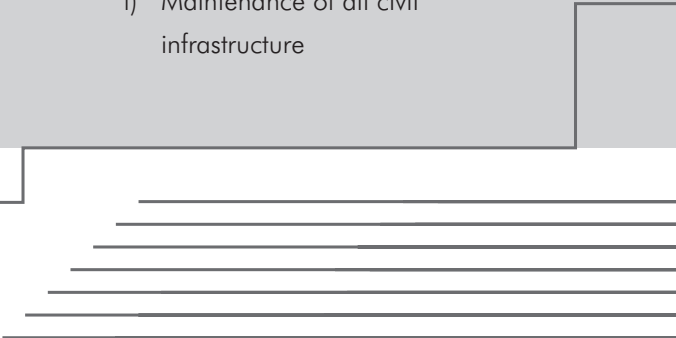
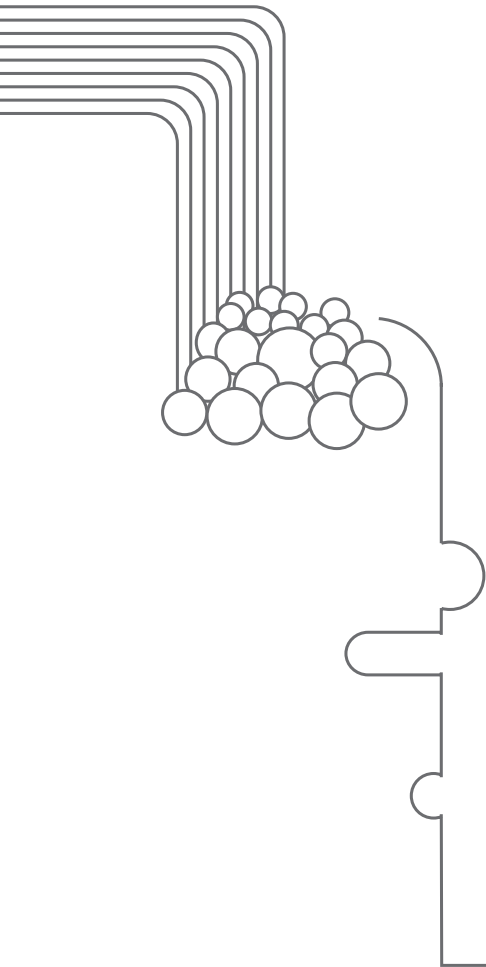
- a) Feasibility studies
- b) Project management
- c) Planning and design
- d) Construction
- e) Certification
- f) Turnkey projects

Capabilities

Our professional accreditation, our dedication and our capability to undertake high-level integrated turnkey projects, including fabrication, assembly and construction set us apart from other contractors in South Africa, where professionalism and quality control measures are not afforded sufficient attention.

Our professional team has the capability and expertise to deliver projects in the following Civil engineering sectors:

- a) Railway design and construction
- b) Road construction and all associated works
- c) Drainage design and construction
- d) Subsurface and overhead optic fibre cabling
- e) Transmission and feeder lines
- f) Maintenance of all civil infrastructure



Capacity

We have a combined experience of 200 years, with numerous professional engineers and technologists who are registered with ECSA (Engineering Council of South Africa), as well as senior members of SAIEE (South African Institute of Electrical Engineers).

As a professional construction entity with industry-leading partners, we undertake projects up to CIDB 9. Our construction team also has extensive experience in rail, the installation of transmission lines, and roads. Our previous projects include inter alia:

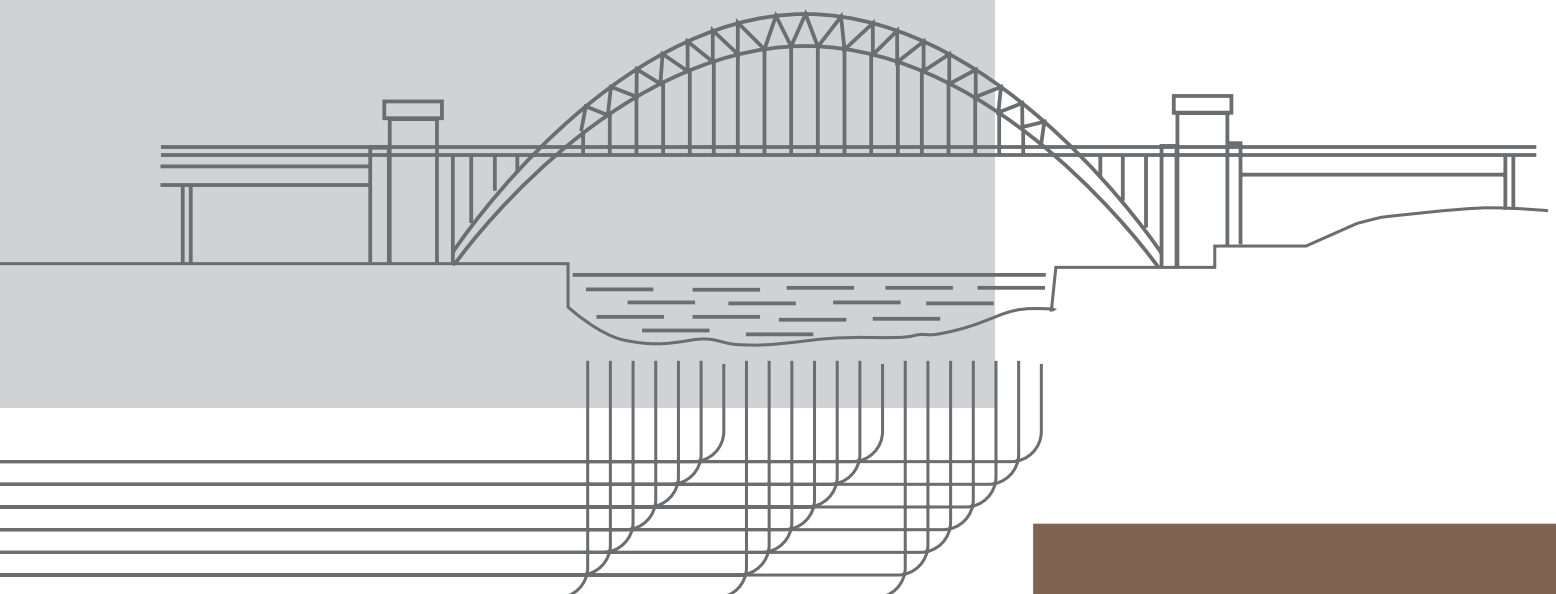
- Various roads and associated infrastructure construction
- Building construction
- Drainage and sanitation
- Railway construction
- Project management and design
- Maintenance of civil infrastructure

Services

We have professional ECSA-accredited* engineers, with CIDB certification, who are experienced in Civil, Electrical and Electronic engineering. All work is done in compliance with international and local specifications and standards as well as local legal requirements. While our operations are currently focused in the main on South Africa, we are progressively seeking projects throughout Africa and the Middle East.

- Roads and bridges
- Rail
- Buildings
- Optic fibre
- Electrical substations
- Transmission lines and stringing
- Permanent Way (rail)
- Drainage
- Embankment protection and Rehabilitation

* Engineering Council of South Africa,
Construction Industry Development Board



Partner with African leaders

Rail Paradigm is a specialist construction engineering firm that blends local experience with global expertise. Our strategic alliances on the continent and around the world enable us to design, execute and maintain wide-ranging projects in line with world-class standards. And we do so in ways that promote the greater socio-economic development of the communities we touch.

Professional excellence
is the road to world-
class communities

For more information on how
we can help you engineer
the future, visit our website at
www.rail-paradigm.com

