



# Roads and Land Developments Capability Profile

Global Engineering Solutions

A member of



**Bosch Projects is a leading multi-disciplinary infrastructure and industrial consulting engineering and project management company providing value added packaged solutions for Clients in the public and private sectors.**

**As a strategic growth initiative in late 2016, the company was restructured by consolidating the infrastructure and industrial operating companies within Bosch Holdings (originally founded in 1961) into a single company offering more integrated professional services.**

**Bosch Projects operates from regional offices across South Africa and from our international offices in Kenya and Brazil, focusing on assignments within South Africa, Africa and on other continents.**

**Our company has a proud record of serving both public and private sector Clients in terms of technical excellence, and has received recognised product export and project excellence awards including SASTA, CESA, SAICE and IMESA utilising our ISO-certified Quality Management System. We have also successfully completed projects in more than 45 countries.**

## Capabilities

Bosch Project's long and successful history in roads provision adds value to our client base that stretches throughout South Africa and into Africa.

Projects undertaken include large upgrade and rehabilitation projects for the South African National Roads Agency and major metropolitan authorities, new major urban arterial roads required to serve urban developments for large developers, and internal roads for large agricultural estate developers.

Services provided range from route selection, layouts, and designs for new roads, and detailed visual assessments, testing, and pavement designs for rehabilitation and upgrade projects.

Coupled with technical skills, the team also has specific experience in environmentally friendly re-use of scarce resources, including the re-use of existing pavement materials, recycling of reclaimed asphalt into new asphalt mixes, and utilisation of warm-mix asphalt.

With regard to land developments, services provided cover the full spectrum of the development cycle. This includes engineering input to the developer's professional team to obtain environmental approvals, securing provision of bulk services, and obtaining township establishment approvals.

Bosch Projects has in-depth knowledge of development establishment processes, ensuring seamless integration with the development teams. We have special technical skills in all elements of development services, including water, sewer, electricity, roads, stormwater and communications, ensuring a one-stop shop for developers.

In-house water resource specialists ensure that sensitive wetland and rivers are protected by application of rigorous stormwater controls based on SUDs principles.

Bosch Projects can undertake the following types of projects:

- New rural roads, including route locations and basic planning
- New urban roads and arterials
- Rehabilitation and upgrading of existing roads
- Road maintenance
- Truck staging areas and industrial hardstands
- Stormwater management and control, including permeable paving
- Electrical infrastructure (urban, peri-urban and rural)
- Township and residential land developments
- Industrial, retail and commercial land developments
- Project planning, management and cost controls



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