



Energy Capability Profile

Global Engineering Solutions

A member of



Bosch Projects is a leading multi-disciplinary industrial and infrastructure 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 Projects is at the forefront of developments in the Energy Sector, including Renewable Energy, and can demonstrate a long history of implementing successful projects in this sector. Our expertise extends from power generation through to transmission and distribution, utilising a wide range of fuel sources, including renewables. One of our unique strengths is the design and implementation of IPP grid connections which comply with local and international embedded generation codes.

With regard to waste to energy conversion, we have entered into a biogas technology license agreement with ComBigas of Denmark which enhances our ability to provide the latest anaerobic digestion biogas power systems. We actively seek opportunities to apply our skills in the expanding natural gas sector, as well as in the beneficiation of municipal solid waste to biogas.

Comprehensive expertise gained in combined heat and power, co-generation and energy efficiency applications in the sugar and pulp and paper industries enable us to effectively provide solutions for any biomass power system. We are also capable of providing high quality, cost-effective on- and off-grid solar power solutions for industrial as well as commercial and residential complexes.

Additional capabilities include multi-disciplinary engineering skills that can be applied from conceptualisation, through feasibility stage, to design and project implementation. We are also able to provide access to project funding and IPP SPV structuring support.

Our ability to rapidly deploy a full suite of multi-disciplinary engineering service's under one roof offers significant benefits to our Clients.

We specialise in:

- Feasibility Studies
- Combined heat and power (CHP)
- Anaerobic digestion power plants
- Biogas digester power plants
- Spent digestate utilisation systems
- Solar PV energy harvesting systems
- Power evacuation and grid connection systems
- Energy and mass balance calculations
- Cogeneration options
- Biomass power systems
- Low, medium and high voltage system design and implementation
- Power transmission, distribution and substation design and implementation
- Load flow and protection studies
- Project Finance and SPV facilitation
- Project planning, management and cost controls.



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