



## Stefanutti Stocks Renewable Energy Discipline





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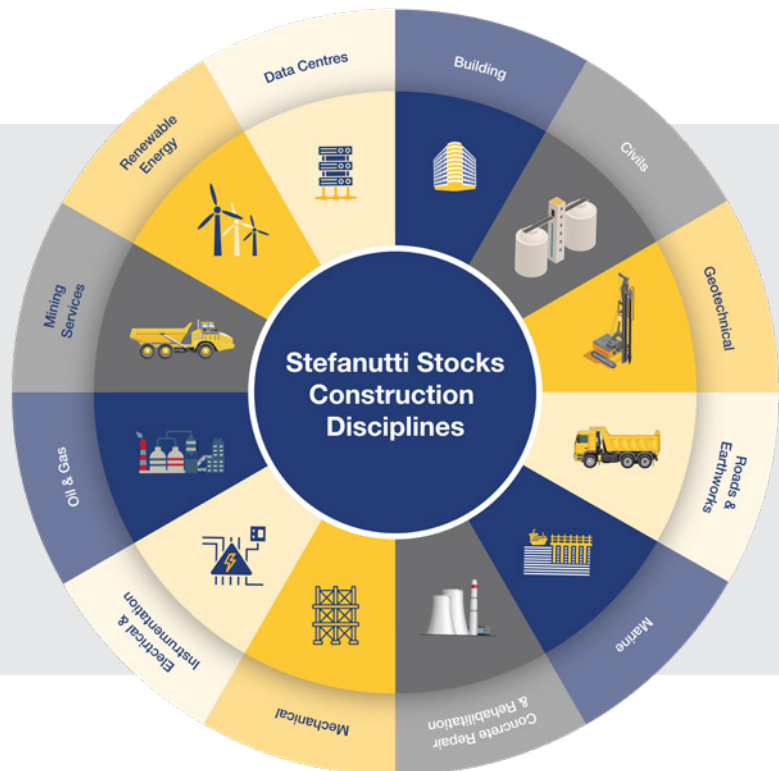




# Multidisciplinary Construction Group

The combined engineering and construction capabilities of the Stefanutti Stocks Disciplines enables this well-established multidisciplinary contractor to offer a comprehensive, full-service construction solution to its clients across all the Regions and Sectors within which it operates. The B-BBEE Level 1 group has a Grade 9 rating from the CIDB, and its broad spectrum of expertise means that it has the capability and capacity to offer a single point accountability on mega multidisciplinary infrastructure development projects.

The group's scope of niche and traditional engineering and construction-related activities span the Disciplines of building; civils; geotechnical, roads & earthworks; electrical & instrumentation (including the design and build of electrical step-down facilities); mechanical (including water clarification); renewable energy (with a focus on balance of plant construction); fast-track data-centre construction; oil & gas (including in-house pipe spool manufacturing); and mining services (spanning materials handling and tailings management).



The group's strength lies in:

- Its solution-based culture, its diversity and strategic positioning.
- An ability to seamlessly mobilise across the group.
- A technologically advanced approach to managing construction sites.
- Single-point of accountability on projects that removes the interface risk from the client domain.
- Vast experience that is leveraged to create a support and project infrastructure in even the harshest environments.
- A track record of successful recruitment and up-skilling of local communities.
- Its commitment to sustainability and transformation.
- Shared services, management systems and policies that are streamlined.

## Certified Management Systems

- Information and Data Security Management: ISO 27001
- Quality Management: ISO 9001:2015
- Environmental Management: ISO 14001:2015
- Health & Safety Management: ISO 45001:2018

### VISION

Re-engineering the built environment

### MISSION

A multi-disciplinary construction group delivering exceptional engineering solutions that enrich people's lives



# Renewable Energy Discipline Capabilities

The Stefanutti Stocks Renewable Energy Discipline offers full balance of plant (BoP) construction on windfarms (design, procure and construct); BoP on solar farms; and the construction of substations and battery energy storage systems (BESS) – all the way from breaking ground through to commissioning.

Services include:

- **Full BoP on windfarms**
  - Design, procure & construct on civil balance of plant
  - Design, procure & construct on electrical balance of plant
  - Design, procure & construct Eskom Self-Build HV works
  - OHL construction up to 132 kV
  - Pre-cast wind turbine generator (WTG) concrete tower experience
- **Construction of high voltage substations:**
  - Earthworks & roadworks
  - Civils foundations
  - Buildings
  - Electrical works (incl. installation of steelwork, equipment, stringing, cabling)
- **Solar farms**
  - Earthworks
  - Mechanical works
  - Electrical works
  - Civil works
- **Battery Energy Storage Systems (BESS)**
  - Earthworks
  - Mechanical works
  - Electrical works
  - Civil works



**Stefanutti Stocks Renewable Energy Discipline has the capability to self-execute the majority of the civil and electrical BoP works with dedicated in-house resources.**



## Experienced Renewable Energy Team & In-house Capabilities

The team boasts an impressive portfolio of experience gained within the Renewable Energy sector, having participated in the construction of projects that total more than 4 GW generation capacity.

These include Jeffreys Bay Wind Farm, Noupoot Wind Farm, Amakhala Wind Farm, Dorper Wind Farm, De Aar 1 Wind Farm, Loeriesfontein Wind Farm, Khobab Wind Farm, Golden Valley Wind Farm, Excelsior Wind Farm, Perdekraal Wind Farm, Kangnas Wind Farm, Gibson Bay Wind Farm, Roggeveld Wind Farm, Nuxba Wind Farm, Oyster Bay Wind Farm, Garob Wind Farm, Karusa Wind Farm, Soetwater Wind Farm, Phezukumoya Wind Farm, San Kraal Wind Farm, Impofu

North, West, East Wind Farm Cluster, Coleskop Wind Farm, Pongola BESS Project, Elandskop BESS Project, Khi Solar One (CSP) Substation and various other substations, ranging from low, medium to high voltages.

Our highly technical team is able to deliver complex projects by self-executing all civil works and the majority of electrical works including substation construction, underground cable networks as well as overhead lines. Our electrical capabilities are further supported by in-house electrical design resources and capabilities with design experience on IPP and Eskom Self-Build projects.

## Plant & Equipment Resources

To uphold the high levels of efficiency and service to its clients, Stefanutti Stocks continually invests in its plant, equipment, and fleet, ensuring it remains on the cutting edge of technology. Our standard construction fleet also includes drill rigs (for geotechnical investigations) 100m<sup>3</sup>/hour batch plants, ready mix trucks, as well as mobile crushing and screening plant.

All plant is regularly inspected and certified ensuring compliance with all safety and operating standards. A dedicated team ensures that plant, equipment and fleet are optimally utilised and maintained, and logistics are carefully managed to ensure uninterrupted support to local and cross-border operations.

### 450 MW Umbila Emoyeni Wind Energy Cluster



#### The cluster consists of:

- Various early works packages consisting of geotechnical investigations, detailed design work and long lead equipment procurement
- BoP EPC contract for the Umbila Emoyeni One – 155 MW Wind Energy Facility (25 x 6,2 MW Goldwind Turbines), undertaken for Goldwind New Energy South Africa (EPC Contractor) for developer Seriti Green which commenced in June 2024.
- BoP EPC contract for the Umbila Emoyeni Two – 155 MW Wind Energy Facility (25 x 6,2 MW Goldwind Turbines), undertaken for Goldwind New Energy South Africa (EPC Contractor) for developer Seriti Green which commenced in August 2025.
- BoP EPC contract for the Umbila Emoyeni Three – 155 MW Wind Energy Facility (25 x 6,2 MW Goldwind Turbines), undertaken for Goldwind New Energy South Africa (EPC Contractor) for developer Seriti Green which commenced in November 2025.

#### Scope of Works:

| Civil  | Electrical  |
|--|---|
| <ul style="list-style-type: none"> <li>• 130 km gravel roads</li> </ul>                    | <ul style="list-style-type: none"> <li>• Three IPP 33/132 kV substations consisting of six 95 MVA transformers</li> </ul>                         |
| <ul style="list-style-type: none"> <li>• 75 reinforced concrete WTG foundations</li> </ul> | <ul style="list-style-type: none"> <li>• Eskom self-build works including 17 km of 132 kV overhead line and a 132 kV switching station</li> </ul> |
| <ul style="list-style-type: none"> <li>• 75 hardstands</li> </ul>                          | <ul style="list-style-type: none"> <li>• 33 kV overhead lines.</li> </ul>   |
| <ul style="list-style-type: none"> <li>• Drainage works</li> </ul>                         | <ul style="list-style-type: none"> <li>• 33 kV underground cable</li> </ul>   |
| <ul style="list-style-type: none"> <li>• Cable trenching</li> </ul>                        | <ul style="list-style-type: none"> <li>• Meteorological masts</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Upgrading of surfaced intersection</li> </ul>     | <ul style="list-style-type: none"> <li>• Operation and maintenance building</li> </ul>  |

### 148 MWp Bolobedu Solar PV Project



The contract to build Voltalia's Bolobedu 148 MWp Solar Plant in Limpopo was undertaken in a joint venture with H.E. Jackson, and included civil, mechanical, and electrical scope, with the consortium building the entire plant, from site clearance all the way through to commissioning.

*Scope of Works:*

| Civil   | Mechanical   | Electrical   |
|---|--|--|
| <ul style="list-style-type: none"> <li>• Site preparation and temporary facilities</li> </ul> | <ul style="list-style-type: none"> <li>• Micro-pile foundations</li> </ul>           | <ul style="list-style-type: none"> <li>• DC cabling</li> </ul>             |
| <ul style="list-style-type: none"> <li>• Site earthworks</li> </ul>                           | <ul style="list-style-type: none"> <li>• Erection of tracker system</li> </ul>       | <ul style="list-style-type: none"> <li>• Meteorological station</li> </ul> |
| <ul style="list-style-type: none"> <li>• Internal and access roads</li> </ul>                 | <ul style="list-style-type: none"> <li>• Mounting PV modules (218 000 No)</li> </ul> | <ul style="list-style-type: none"> <li>• Transformer stations</li> </ul>   |
| <ul style="list-style-type: none"> <li>• Platforms and storage areas</li> </ul>               | <ul style="list-style-type: none"> <li>• Junction boxes (703 No)</li> </ul>          | <ul style="list-style-type: none"> <li>• MV inverters</li> </ul>           |
| <ul style="list-style-type: none"> <li>• Cable trenching</li> </ul>                           |  | <ul style="list-style-type: none"> <li>• MV system: (51 748 m)</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Drainage systems</li> </ul>                          |  | <ul style="list-style-type: none"> <li>• LV cabling (400 000 m)</li> </ul> |
| <ul style="list-style-type: none"> <li>• Upgrading of surfaced intersection</li> </ul>        |  | <ul style="list-style-type: none"> <li>• Communication network</li> </ul>  |

**Completed Energy Infrastructure Projects**



**Eskom 132/22 kV step-down substation: High Voltage Installation at CPT060 Film Studios for International Tech Client**

CPT060 HV situated close to Somerset West is a turnkey self-build project that was designed, built, integrated and commissioned by Stefanutti Stocks and completed in August 2023.

The project was funded by the International Tech Client (NDA applies) and constructed for Eskom as a self-build project.

The project scope included a new four-feeder-bay switching substation called Magnetic; two 132/22 kV step down transformers and integration into an existing data centre facility.

30 km of OPGW on the existing 132 kV overhead lines were upgraded as well as a new 132 kV loop in loop out overhead line constructed to the new magnetic feeder bays.

## Completed Projects

### **BoP Civils and Buildings for San Kraal and Phezukomoya wind farms**

Stefanutti Stocks' activities at the Koruson 1 Renewable Energy Project included earthworks, layer works for the substation platforms, as well as the IPP and Eskom substation buildings, as well as drainage, landscaping and site rehabilitation. The contractor provided all resources (management, site supervision, labour, materials, plant) and completed its scope of works within required timelines in December 2024.

### **140 MW Nxuba Wind Farm Precast Somerset East for Nordex Acciona**

Stefanutti Stocks completed the contract for the supply of forty-seven 100m high concrete towers, made up of 799 concrete tower segments (also referred to as 'tower shells' and 'keystones') in September 2021. The contract included the construction and commissioning of the factory warehouse; installation of all services and equipment (gantry cranes, tower crane, batch plants, weighbridge, laboratory test facility); and installation and alignment of the moulds and reinforcement templates.

2,380t worth of reinforcement cages were assembled in the reinforcement template to assure accuracy and precision on completion; and 15,745m<sup>3</sup> concrete was cast using a detailed method and sequence to minimise cold joints and segregations on the tower shell.

### **Grootegeluk GG6 Substation Buildings for Exxaro**

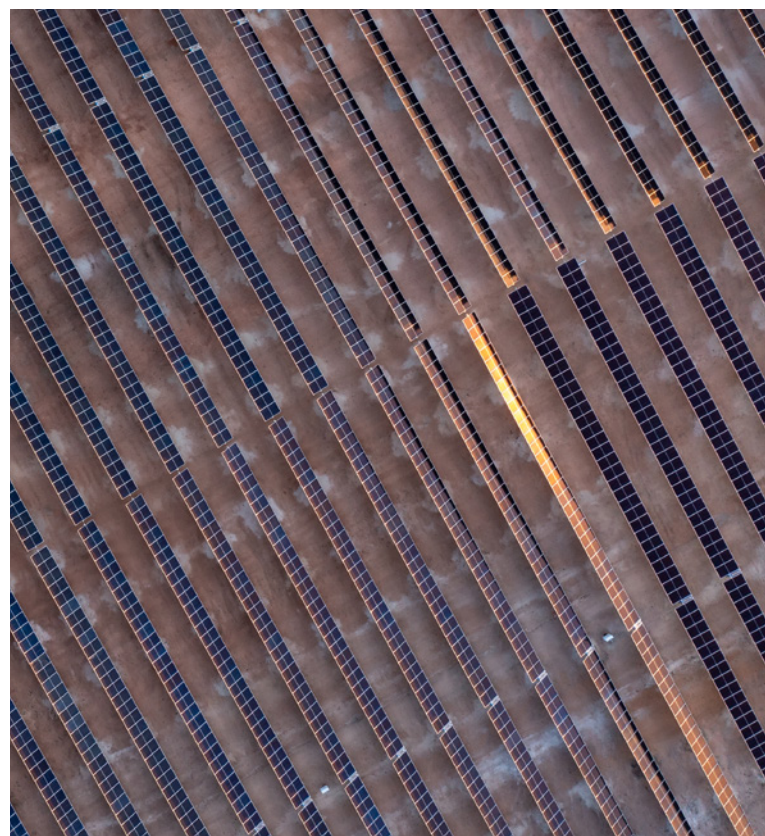
The project formed part of the Exxaro Grootegeluk Mine GG6 Expansion Project and entailed the complete construction (including fire detection, electrical installation, structural steel and HVAC design and installation) of the Small Coal Substation, Pump Station Substation, South Substation and Free-standing transformer bays.

### **100 MW Kathu Solar Park Civil Works for Liciastar (Pty) Ltd**

Stefanutti Stocks completed the civil works contract for the Kathu Solar Park Underground Systems, Steam Generator, Heat Exchangers and Rack Foundations at this thermoelectric generation power plant in March 2018. The scope ranged from large monolithically constructed concrete foundations in the steam generator area to several deep in-situ concrete manholes for the underground system. The project was accelerated during the construction phase following a request from our client and was completed one month ahead of contracted completion date.

### **100 MW Illanga CSP Upington Power Block Foundations for Dankocom (Pty) Ltd**

Stefanutti Stocks completed the Power Block (Salt Area) Foundation for the solar thermoelectric power plant in October 2017. The project included challenging timelines, demanding skills development, and sourcing special materials for thermal storage tank foundations. The team gained valuable experience working with international clients and all deadlines and specifications were met.



# Group Capabilities relevant to the Renewable Energy Sector

## Civils

- Caisson floating and installation
- Civil works
  - bridges (conventional, precast, incrementally launched, cable-stayed balanced cantilever etc).
  - transport infrastructure (road, rail, container terminals, airport aprons and taxiways)
- Concrete rehabilitation, repair and waterproofing
- Industrial, petrochemical and mining plant repair and renovation under shut down or live conditions
- Desalination infrastructure
- Reinforced concrete construction
- Specialist civil mine infrastructure
  - process plants, shaft development etc.
- Specialist water and waste-water civil infrastructure
  - water and waste-water treatment plants, pump stations and associated infrastructure, concrete dams, and reservoirs
- Materials handling balance of plant
- Energy infrastructure
  - power plants: coal-fired, gas, renewable energy, etc.
- Petrochemical plants, industrial plants (cement) and industrial factories
- Environmental rehabilitation and management projects

## Roads & Earthworks

- Bulk earthworks
- Road construction and rehabilitation
- Mining infrastructure
- Construction of HDPE lined containment infrastructure
- Crushing and screening
- Asphalt manufacture and paving
- Agricultural land preparation and infrastructural development
- Water infrastructure construction
- Rail and rail infrastructure construction
- Large diameter welded steel pipe installation
- In situ concrete lining of pipelines, and
- High density polyethylene (HDPE) and ductile cast-iron pipeline installation





## Mechanical

- Installation of:
  - material handling systems
  - mechanical equipment
  - process piping systems
- Design and build high-rate water clarifier plants
- Structural steel fabrication and erection
- Pipe spool fabrication
- Tank and tank farm construction, and
- Commissioning support and assistance
- Overhead Line Construction up to 132KV

## Electrical & Instrumentation (E&I)

Electrical supply, installation and commissioning to:

- hazardous areas
- substation upgrades, MV & LV switchgear
- motor control centres (MCC)
- cable rack, power trunking
- industrial lighting and small power, high masts
- MV & LV power cables
- plant maintenance
- LV distribution boards
- HT/MV/LV joints & terminations
- containerised sub/mini stations and e-houses
- certified testing & calibration equipment
- certificate of compliance by in-house master installation electrician or wireman
- transformers

## Geotechnical

- Geotechnical investigations and reports, including diamond core drilling, reverse circulation drilling,
- DPSH testing and auger trial holes
- geo-thermal installations
- piling in all soil conditions
- design and construction of various types of piles
- lateral support
- rock anchoring
- shotcrete
- void fill
- grouting – including specialist consolidation, compaction and dolomitic, and
- sinkhole remediation and repairs





## Safety, health, environment & quality

### Safety & Health

Stefanutti Stocks proactively foster a safe working environment and its stringent commitment to improving safety standards is demonstrated by the Group's Lost Time Injury Frequency Rate (LTIFR). Numerous awards from industry associations have further recognised the Group's outstanding performance in the SHEQ sphere. Its Health & Safety Management System is in line with, and certified to the ISO 45001:2018 standards

### Environmental

Stefanutti Stocks embraces and is positioning its business at the forefront of the movement towards a more sustainable, more environmentally friendly construction industry. The group implements programmes and policies that focus on construction methods and materials that allow for a greener project construction process. Its Environmental Management System aligns and is certified to ISO 14001:2015 standards.

### Quality

Stefanutti Stocks' Quality Management System is in line with and certified to the ISO 9001:2015 standards. The Group's philosophy of planning and quantifying risks associated with its operations is embedded in its Excellence in Execution mission statement and forms the key pillars of the ISO 9001:2015 standard. A continual roll out of development and training programmes that focus on constantly raising performance standards contribute to the Group's ability to consistently deliver quality products to its clients.



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