Zest Energy services the African continent in the design, supply, delivery, installation and commissioning of integrated power generation, electrical infrastructure and mobile solutions.

The Company comprises a team of engineers with extensive experience in various market sectors providing client-specific power and energy solutions. This technical expertise and know-how is combined to provide integrated energy solutions to meet the needs of any new or existing customer.

Developing a comprehensive energy solution often requires careful and well thought out integration with new or existing electrical network infrastructure. Future expansion also needs to be factored into the overall design process and the Company’s team of engineers ensure that all designs developed are done so with this requirement in mind. Further to this, the Company is also available to assist their customers in developing an appropriate solution to achieve these objectives.

**Industries of Involvement**

As part of the day-to-day activities of the business, the Company works closely with the following industries:

- Mining, Cement and Aggregate
- Utilities and Municipalities
- Renewable Energy
- Oil and Gas
- Petrochemical
- Water
- Sugar and Ethanol
- Pulp and Paper
- Steel
- Marine
- Food and Beverage
- Agriculture

Through the Company’s constant interaction with the organisations from these industries, the Company develops cost effective, design-specific engineering solutions all the while ensuring that sound engineering principles and practices are being employed.
The Company is structured into three distinct business units, each with focus on a specific technology, system and solution.

**Power Generation Business Unit**
- Complete Power Generation Plants
  - Diesel Generation
  - Gas (Natural Gas / Biogas) Generation
  - Steam Generation
- Containerised or Open Type Generator Configurations
- Medium Voltage (MV) or Low Voltage (LV) Generation
- Custom Designed Electrical Integration Solutions at MV and LV
- Parallel and Island Operational Modes
- Load Shedding System for Non-Critical Loads
- Plant Synchronisation and Protection Systems, including Import/Export Control
- Plant Design, Installation and Commissioning

**Electrical Infrastructure Business Unit**
- Complete Substation Solutions (up to 275kV)
- Indoor and Outdoor Configurations
- Substation Refurbishments (up to 275kV)
- Overhead Lines (up to 132kV)
- Protections Systems, including Protection Grading
- Designs, Installation and Commissioning

**Mobile Solutions Business Unit**
- Highly-Engineered and Custom Designed Mobile Solutions
  - Generation Solutions
  - Substation Solutions
  - Switching Stations Solutions
  - Robust and Purpose Built Trailers
  - In accordance with Road Ordinance Requirements
- Skid Type Solutions
- Designs, Installation and Commissioning

The ethic of the Company is their commitment to service excellence and continuous improvement of all people and service offerings. By virtue of the fact that the Company is focussed on the Zest WEG Group’s mission and vision, the Company remains dedicated to becoming the leading integrated power generation and energy solutions provider on the African continent.