



BOREHOLES | SOLAR | IRRIGATION | WATER TREATMENT | STEEL TANKS

COMPANY PROFILE

www.value-energy.co.ke

ABOUT US

Value Energy Solutions Ltd is a Kenyan registered engineering company specializing in sustainable water and energy solutions. We are located in Nairobi and Kitengela, and we serve residential, agricultural, institutional, commercial, and industrial clients across Kenya. Our organization focuses on providing integrated solutions in solar energy systems, irrigation systems, steel water storage tanks, water treatment technologies, and borehole drilling services.



**Delivering Sustainable Water & Energy
Solutions With Innovation & Expertise**

OUR MISSION & VISION

VISION



To become the leading energy and water solutions provider, focused on providing innovative and sustainable solutions for a better tomorrow.

MISSION



Our mission is to provide high-quality energy and water solutions to our clients, while delivering exceptional customer service at a competitive price. We are committed to inspiring positive change in the world, by empowering people to reduce their carbon footprint and lead a more sustainable future.

SLOGAN

Empowering a Sustainable Future

CORE VALUES



1. ETHICAL AND TRANSPARENT

Integrity & Transparency in all our interactions.

2. CUSTOMER-FOCUSED

We strive to deliver exceptional Value & Service.

3. SUSTAINABILITY

We promote a Sustainable Future & create a Positive Impact

4. INNOVATION-DRIVEN

We foster Innovation & Modern Technologies

5. QUALITY-ORIENTED

We deliver high Quality Products & Services.



SOLAR ENERGY SOLUTIONS

At Value Energy Solutions Limited, we focus on designing, supplying, installing, and maintaining solar power systems for homes, businesses, institutions, farms, and industries. The company provides sustainable solar technologies aimed at reducing dependency on grid electricity and fossil fuels.

The growing demand for renewable energy in Kenya has created a need for us to provide affordable and reliable solar systems that address challenges such as power outages, rising electricity costs, and limited grid connectivity in rural areas.

OUR SOLAR PRODUCTS

1. Solar Water Pumping Systems



We provide efficient solar water pumping systems for homes, farms, industries, and community projects. The company designs, installs, and maintains solar-powered pumps that supply water from boreholes, rivers, and wells using clean renewable energy. Their solutions help reduce electricity and fuel costs while ensuring reliable water supply for irrigation, domestic use, and livestock farming across Kenya.

2. Solar Backup Systems

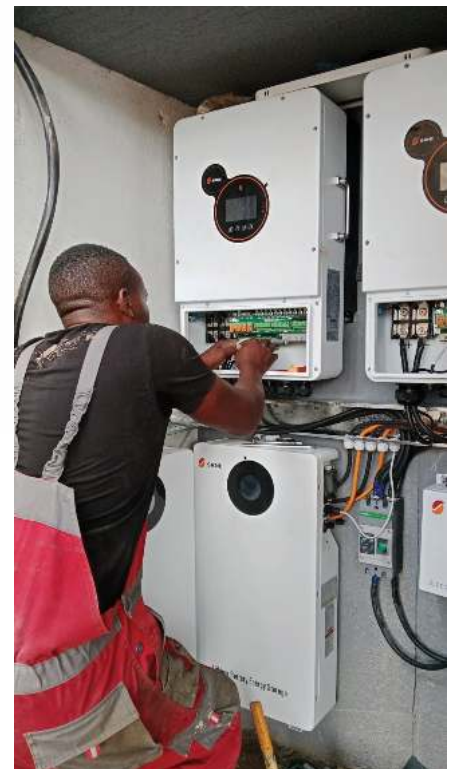
We provides reliable solar backup systems designed to ensure uninterrupted power supply for homes, businesses, institutions, and industries. The systems combine solar panels, inverters, and battery storage to provide electricity during power outages and reduce dependence on the national grid.



WE OFFER

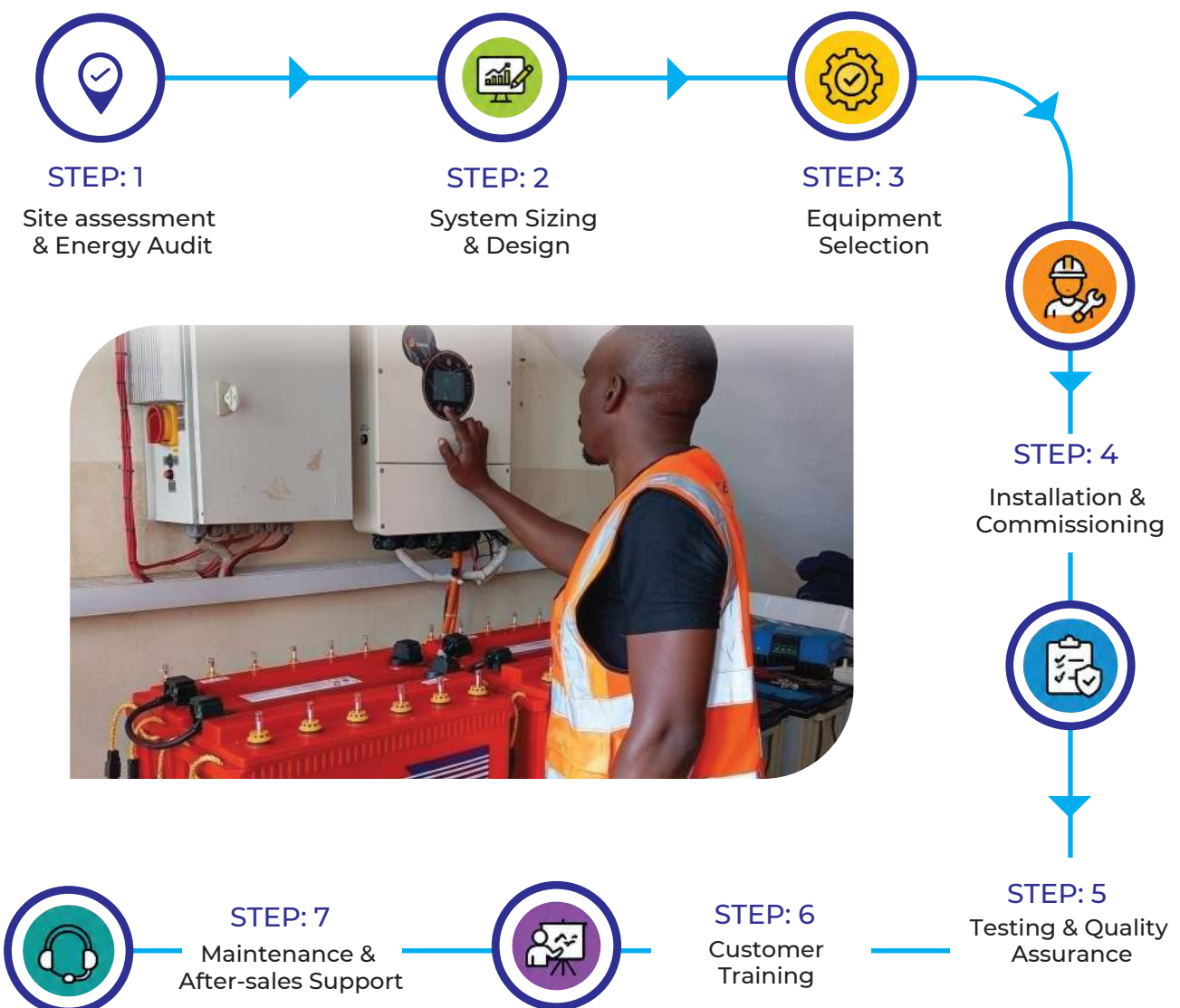
**RESIDENTIAL AND
COMMERCIAL SOLUTIONS**

Lithium Batteries, Solar Panels
Inverters



RESIDENTIAL & COMMERCIAL SOLAR INSTALLATION PROCESS

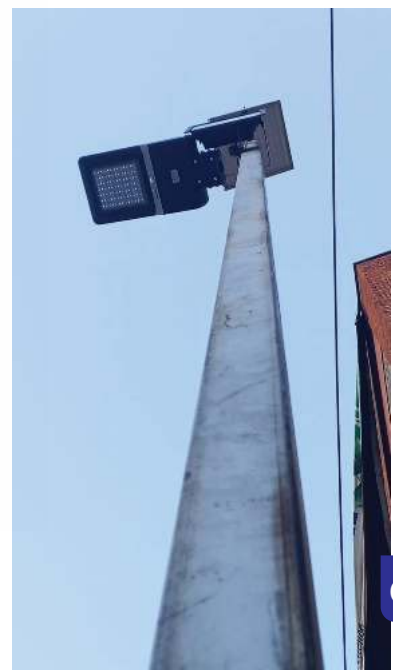
- STEP 1** 1. Site assessment and energy audit
- STEP 2** 2. System sizing and design
- STEP 3** 3. Equipment selection
- STEP 4** 4. Installation and commissioning
- STEP 5** 5. Testing and quality assurance
- STEP 6** 6. Customer training
- STEP 7** 7. Maintenance and after-sales support



3. Solar street lighting

We provide modern solar street lighting solutions for **roads, residential estates, institutions, parking areas, commercial centers, and public spaces**. The systems use solar panels to capture sunlight and store energy in batteries, providing reliable lighting at night without relying on grid electricity.

We offer durable and energy-efficient street lighting systems designed to improve security, visibility, and safety while reducing electricity and maintenance costs. Their services include site assessment, system design, installation, and maintenance to ensure long-term performance and sustainable outdoor lighting solutions across Kenya.



4. Solar Water Heater

We provide efficient solar water heating systems for homes, hotels, hospitals, schools, apartments, and commercial buildings. The systems use solar energy to heat water, helping clients reduce electricity bills and dependence on conventional energy sources.

Solar water heaters designed for continuous hot water supply in both residential and commercial applications.

Their services include system design, supply, installation, testing, and maintenance to ensure maximum efficiency and long-term performance. Solar water heating systems provide an environmentally friendly and cost-effective solution for sustainable water heating.



5. Solar Heat Pumps

We offer customized heat pump solutions for domestic and commercial applications, ensuring reliable hot water supply throughout the year. Our expert team handles system design, installation, testing, and maintenance to guarantee high performance and long-term durability. Solar heat pump systems help clients save energy, lower utility bills, and promote environmentally friendly water heating solutions across Kenya.



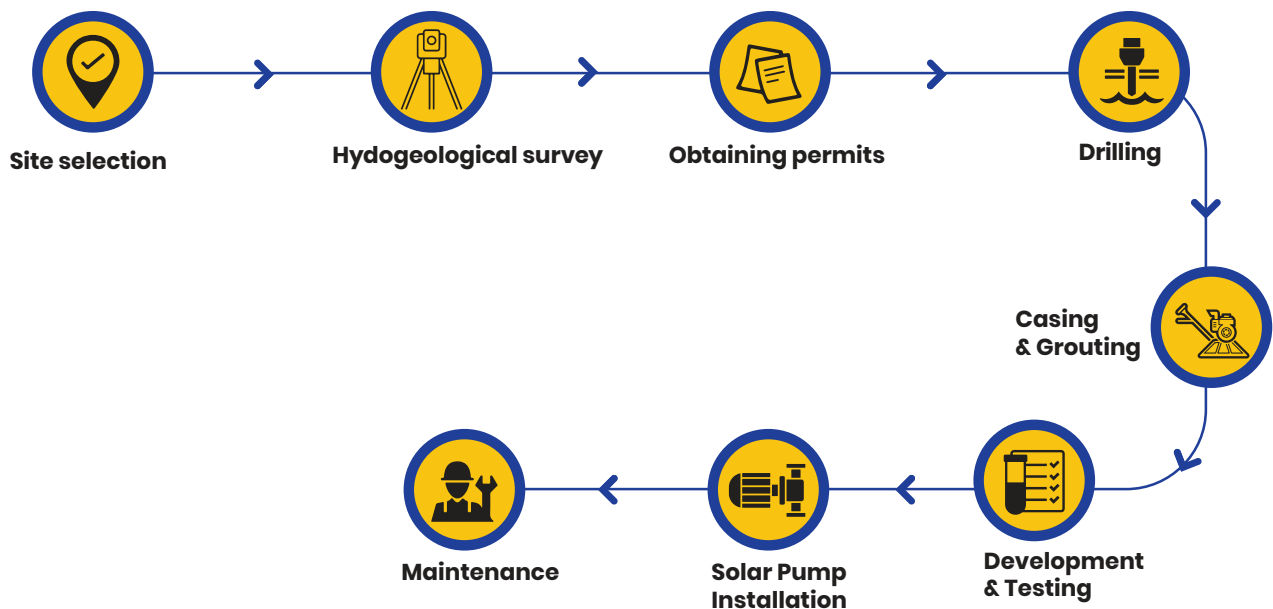
2. BOREHOLE

I. BOREHOLE DRILLING

We are a trusted provider of professional borehole drilling services, delivering reliable groundwater solutions for residential, commercial, agricultural, industrial, and institutional clients. The company specializes in the complete development of borehole water systems, from hydrogeological surveys and drilling to pump installation, water testing, and maintenance services.

With increasing demand for clean and reliable water sources, Value Energy provides efficient and sustainable groundwater solutions designed to meet the growing **water needs of communities, farms, schools, hospitals, industries, and real estate developments**. The company combines modern drilling technology, experienced personnel, and quality engineering standards to ensure successful and long-lasting borehole projects.

THE PROCESS OF BOREHOLE DRILLING



We remain committed to providing high-quality borehole solutions that promote economic growth, agricultural productivity, environmental sustainability, and improved living standards.



PORTFOLIO

BOREHOLE DRILLING PROJECT

We successfully completed a borehole drilling project in Kinyambu, Makueni County, aimed at improving access to reliable and sustainable water supply for the local community.

The project involved comprehensive hydrogeological surveys, professional drilling operations, borehole casing installation, pump testing, and water system development.

2. BOREHOLE TEST PUMPING

We offer professional borehole test pumping services designed to evaluate the productivity, performance, and sustainability of newly drilled or existing boreholes. Test pumping is a critical stage in borehole development as it helps determine the borehole yield, water recovery rate, pumping capacity, and overall aquifer performance.

Our Team conducts comprehensive test pumping exercises using advanced equipment and experienced technical personnel to ensure accurate data collection and analysis. Through detailed monitoring and professional evaluation, Value Energy helps clients determine the suitability of boreholes for domestic, agricultural, commercial, industrial, and community water supply applications.

OUR BOREHOLE TEST PUMPING SERVICES

- Installation of test pumping equipment
- Continuous pumping operations
- Borehole yield assessment
- Recovery rate analysis
- Aquifer performance evaluation
- Water discharge monitoring
- Water sampling and quality testing
- Pump performance testing

Through accurate test pumping analysis, we are able to determine the most suitable pumping system and water extraction capacity for each borehole project. This helps prevent over-pumping, improves system efficiency, and ensures sustainable groundwater utilization.

The information obtained during test pumping is critical for designing efficient water supply systems and selecting appropriate pumps, storage systems, and distribution infrastructure.





3. BOREHOLE SOLARIZATION

By utilizing renewable solar energy, Value Energy helps clients reduce operational costs, improve efficiency, and achieve long-term energy independence.

Solarized borehole systems are ideal for areas experiencing unreliable electricity supply, high fuel costs, or limited access to grid power. The systems provide a dependable and environmentally friendly solution for continuous water pumping and distribution.

The company specializes in the design, supply, installation, and maintenance of solar-powered borehole pumping systems for residential, agricultural, commercial, industrial, and community water supply projects



3. STEEL TANKS

OVERVIEW

With extensive experience in steel fabrication and structural engineering, Value Energy delivers customized steel tank solutions that combine strength, durability, functionality, and long-term performance. The company uses modern fabrication techniques, high-quality materials, and professional workmanship to ensure every project meets international engineering standards.

Steel tanks play a critical role in water supply systems, irrigation projects, industrial operations, institutions, and community infrastructure. Value Energy continues to provide innovative storage solutions that support sustainable development and efficient resource management.

We specialize in the fabrication, supply, and installation of high-quality steel tanks designed for water storage, industrial applications, agricultural use, and commercial infrastructure projects. The company provides durable and reliable storage solutions engineered to meet the growing demand for efficient water and

WE FABRICATES AND INSTALL STEEL TANKS SUITABLE FOR:

- Domestic water storage
- Industrial water systems
- Irrigation projects
- Commercial developments
- Institutional facilities
- Community water supply projects
- Agricultural operations



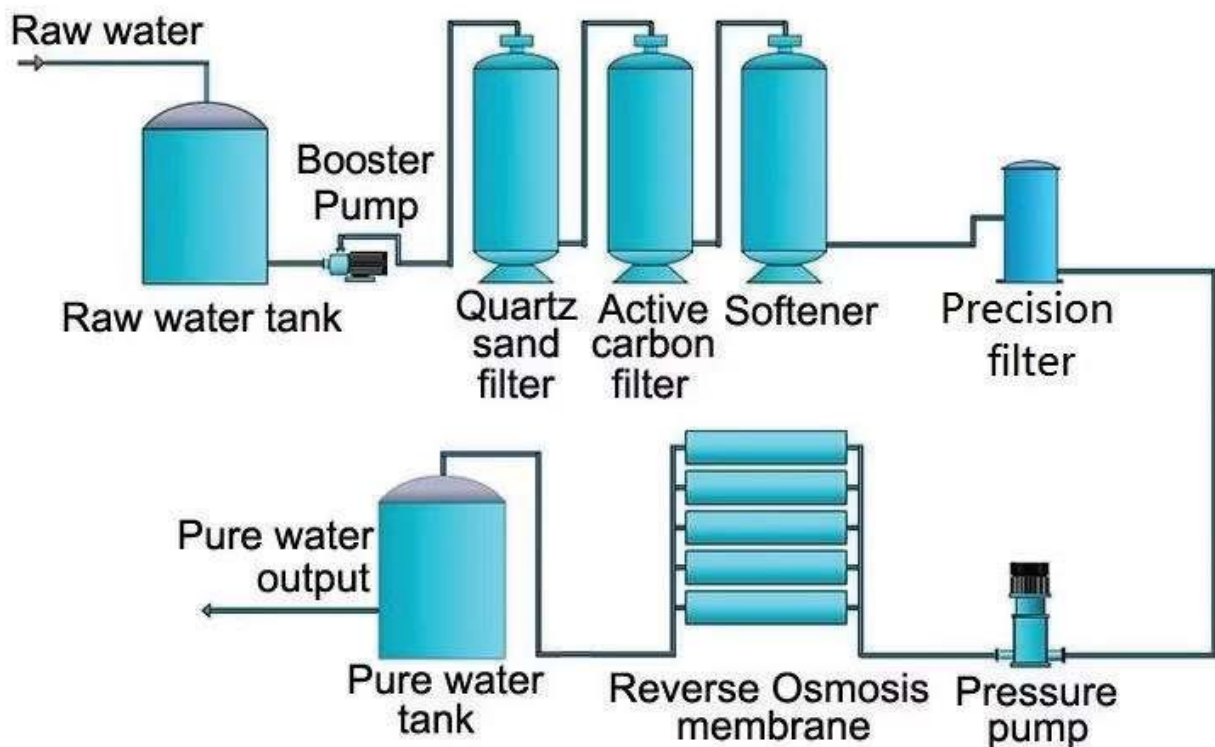
4. WATER TREATMENT

Access to clean water is essential for health, productivity, industrial efficiency, and environmental sustainability. Value Energy combines modern treatment technologies, technical expertise, and quality engineering standards to provide reliable water treatment systems that remove impurities, contaminants, harmful microorganisms, and excessive minerals from water sources.

Value Energy provides professional water treatment solutions designed to deliver clean, safe, and high-quality water for residential, commercial, industrial, agricultural, and institutional use. The company specializes in the design, supply, installation, and maintenance of advanced water purification and filtration systems tailored to meet different water quality requirements.

WATER TREATMENT RO FLOW CHART

RO Flow Chart





5. IRRIGATION

5. IRRIGATION

Value Energy provides professional irrigation solutions designed to improve agricultural productivity, water efficiency, and sustainable farming practices. The company specializes in the design, supply, installation, and maintenance of modern irrigation systems tailored to meet the needs of small-scale farmers, commercial farms, institutions, landscaping projects, and agricultural developments.

With increasing climate variability and unpredictable rainfall patterns, irrigation has become essential in ensuring reliable crop production and food security. Value Energy delivers efficient and cost-effective irrigation technologies that help farmers maximize yields while conserving water resources.



TARGET CLIENTS FOR VALUE ENERGY

Value Energy serves a diverse range of clients across residential, agricultural, commercial, industrial, institutional, and government sectors. The company is committed to delivering reliable, sustainable, and cost-effective energy and water solutions tailored to meet the unique needs of each client.

RESIDENTIAL CLIENTS

- Homeowners
- Residential apartments
- Gated communities
- Real estate developers
- Private property owners

AGRICULTURAL CLIENTS

- Small-scale farmers
- Commercial farms
- Greenhouse farmers
- Livestock farmers
- Irrigation scheme operators
- Horticulture farmers
- Dairy farms
- Poultry farms

COMMERCIAL CLIENTS

- Hotels and resorts
- Shopping malls
- Office buildings
- Restaurants
- Supermarkets
- Petrol stations
- Commercial complexes

INSTITUTIONAL CLIENTS

- Schools and universities
- Hospitals and health centers
- Churches and religious institutions
- NGOs and humanitarian organizations
- Government institutions
- Training centers
- Community organizations

CONSTRUCTION AND INFRASTRUCTURE CLIENTS

- Construction companies
- Civil engineering contractors
- Real estate developers
- Infrastructure development firms
- Road construction projects
- Housing development projects

GOVERNMENT AND PUBLIC SECTOR

- County governments
- National government agencies
- Public utilities
- Public institutions
- Rural development programs

NGOs and International Organizations

- Humanitarian agencies
- Development partners
- International aid organizations
- Community empowerment projects
- Water and sanitation programs

HOSPITALITY INDUSTRY

- Lodges
- Campsites
- Conference centers
- Holiday resorts
- Eco-tourism facilities



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