



ARROWTECH
ENGINEERING
SOLUTIONS LTD.

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PIONEERING **SOLAR ENERGY** INNOVATION.





ARROWTECH ENGINEERING SOLUTIONS LTD.

Arrowtech Engineering Solutions Ltd is a dynamic and forward-thinking company based in Kenya, specializing in providing comprehensive solutions in the fields of solar installation, consultancy, CCTV cameras and surveillance systems, power audit, and electrical installations.

We are a pioneering solar energy company dedicated to revolutionizing the renewable energy sector with innovative engineering solutions.

Established in 2019, Arrowtech Engineering Solutions Ltd has swiftly become a trusted name in the industry, offering innovative and sustainable engineering solutions to meet the evolving needs of clients across various sectors.

OUR MISSION & VISION

MISSION.

Our mission is to harness the power of solar energy to drive positive change, empower communities, and build a brighter, more sustainable future for generations to come.

VISION.

At ArrowTech Engineering Solutions Ltd, our vision is to be a global leader in solar energy innovation, driving the widespread adoption of renewable energy technologies to create a sustainable and thriving planet for future generations. We envision a world where clean, abundant solar energy powers communities, industries, and economies, enabling progress while preserving the environment for future generations.



OUR SERVICES



Solar Installation

Our team of experienced engineers provides expert consultancy services, offering insightful guidance and strategic advice on various engineering projects. From feasibility studies and project planning to regulatory compliance and performance optimization, we are dedicated to helping clients make informed decisions and achieve their objectives.



Consultancy Services

Our team of experienced engineers provides expert consultancy services, offering insightful guidance and strategic advice on various engineering projects. From feasibility studies and project planning to regulatory compliance and performance optimization, we are dedicated to helping clients make informed decisions and achieve their objectives.



Power Audit

Arrowtech Engineering Solutions Ltd conducts thorough power audits to assess energy consumption patterns, identify inefficiencies, and recommend tailored solutions for optimizing energy usage and reducing operational costs. Our detailed audits help clients make informed decisions to enhance energy efficiency and sustainability.



Electrical Installations

With a focus on safety, reliability, and compliance, we provide professional electrical installation services for a wide range of applications, including residential, commercial, and industrial projects. From wiring and lighting installations to panel upgrades and distribution systems, our team delivers high-quality solutions that meet the highest industry standards.



CCTV Cameras & Surveillance Systems

We offer state-of-the-art CCTV cameras and surveillance systems designed to enhance security and surveillance capabilities for homes, businesses, and public spaces. Our comprehensive solutions include installation, configuration, monitoring, and maintenance to ensure maximum effectiveness and peace of mind.

KEY DIFFERENTIATORS



Technical Expertise

Our team of engineers and technicians bring extensive experience and technical expertise to every solar energy project, ensuring the highest quality standards and performance.



Customized Solutions

We understand that every client has unique energy needs and goals, which is why we offer customized solar energy solutions tailored to their specific requirements.



Quality Products

We partner with leading manufacturers to source high-quality solar panels, inverters and other components, ensuring reliability, durability and long-term performance.



Customer Satisfaction

We are committed to delivering exceptional customer service and support throughout the entire solar energy project lifecycle, from initial consultation to post-installation maintenance and monitoring.

OUR CLIENTS

Residential

Homeowners

Commercial &

Industrial Businesses

Agricultural

Enterprises

Government

Institutions

Non-profit

Organizations



RANJU PATEL: WESTLANDS, NAIROBI

15.08.2025, Project Overview:

This is a hybrid solar system implemented at Brookside Drive Westlands Nairobi county, to provide a reliable and stable source of power for the residence. The system features 13pcs 620w solar module, 10kw hybrid inverter, 40kwh lithium ion phosphate battery bank. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: Ranju patel

Type: rooftop solar power plant

Installed capacity: 22 kWp

Region: westlands Nairobi

Solar modules: Jinko Solar 620W

Inverters: 10kw Goodwe single phase

Battery: 40kwh Goodwe LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials, installation and commissioning

JUJA, ST PETER'S SCHOOL

30.06.2025, Project Overview:

This is a hybrid solar system implemented at Juja st Peter's school in Juja kiambu county, to provide a reliable and stable source of power for the school and the school residential area hosting 10 residential homes. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: Juja St Peter's school

Type: rooftop solar power plant

Installed capacity: 129.8 kWp

Region: Kiambu county

Solar modules: longi himo-x6 Solar 600W

Inverters: DEYE 50kw × 2 48v, SUN-50K-SG03LP-EU,
three phase phase

Battery: 394kwh vestwood LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials,
installation and commissioning

MR MICHAEL: KANINI FARM, JUJA

27.04.2025, Project Overview:

This is a hybrid solar system implemented at Kanini farm in Juja kiambu county, to provide a reliable and stable source of power for the residence. The system features 38 pcs 600w solar module, 2pcs 12kw hybrid inverter, 30kwh lithium ion phosphate battery bank. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: Mr Michael

Type: rooftop solar power plant

Installed capacity: 22 kWp

Region: Kiambu county

Solar modules: longi himo-x6 Solar 600W

Inverters: DEYE 12kw × 2 48v, SUN-12K-SG03LP-EU,
three phase phase

Battery: 30kwh lithium valley LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials,
installation and commissioning

DENNIS RESIDENCE

30.10.2024, Project Overview:

This off-grid solar power system was implemented in Kisii County to provide sustainable and reliable energy for a residential house. The system features 8 solar panels rated at 600W each, a 5kW inverter, and a 10kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: Mr. Dennis

Type: rooftop solar power plant

Installed capacity: 4.8 kWp

Region: Kisii county

Solar modules: JINKO Solar 600 W Bifacial

Inverters: DEYE 5kw 48v, SUN-5K-SG03LP-EU, single phase

Battery: 10kwh WEKO LITHIUM ION BATTERY

Year of implementation: 2024

Works performed: design, supply of equipment and materials, installation and commissioning

MIRITI'S RESIDENCE NYERI

17.09.2024, Project Overview:

This off-grid solar power system was implemented in Nyeri County to provide sustainable and reliable energy for a residential house. The system features 11 solar panels rated at 590W each, a 5kW inverter, and a 10kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: JEMI GREEN

Type: rooftop solar power plant

Installed capacity: 6.49 kWp

Region: Nyeri county

Solar modules: JA Solar 590 W Bifacial

Inverters: DEYE 5kw 48v, SUN-5K-SG03LP-EU, single phase

Battery: 10kwh U-HOME LITHIUM ION BATTERY

Year of implementation: 2024

Works performed: design, supply of equipment and materials, installation and commissioning

KEVIN'S RESIDENCE

30.08.2024, Project Overview:

This off-grid solar power system was implemented in Kamulu Nairobi County to provide sustainable and reliable energy for a residential house. The system features 8 solar panels rated at 575W each, a 5kW inverter, and a 10kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: Mr. Kevin Hela

Type: rooftop solar power plant

Installed capacity: 4.6 kWp

Region: Nairobi county

Solar modules: JA Solar 575 W Bifacial

Inverters: DEYE 5kw 48v, SUN-5K-SG03LP-EU, single phase

Battery: 10kwh BYD LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials,
installation and commissioning

PATEL'S RESIDENCE

12.08.2024, Project Overview:

Arrowtech upgrade of the solar energy system at the Patel residence exemplifies a commitment to leveraging advanced technology for sustainable and efficient energy solutions. By replacing outdated components with high-performance Jinko products and optimizing the existing inverter, the residence now benefits from a reliable, off-grid energy supply tailored to its specific needs.



Customer: JEMI GREEN

Type: rooftop solar power plant

Installed capacity: 6.6 kWp

Region: Nairobi county

Solar modules: JINKO Solar 600 W Bifacial

Inverters: SOLAR INVERTER

Battery: 10kwh JINKO LITHIUM ION BATTERY

Year of implementation: 2024

Works performed: design, installation and commissioning

HIREN MITESH'S RESIDENCE

21.07.2024, Project Overview:

This off-grid solar power system was implemented in Happy Valley estate Uasin Gishu County to provide sustainable and reliable energy for a residential house. The system features 20 solar panels rated at 630W each, 8kW inverters, and a 10kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: JEMIGREEN LTD

Type: rooftop solar power plant

Installed capacity: 12.6 kWp

Region: Uasin Gishu county

Solar modules: JA Solar 625 W Bifacial

Inverters: DEYE 8kw 48v, SUN-8K-SG03LP-EU, single phase

Battery: 20kwh UHOME LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials, installation and commissioning

Dr. KIRAN'S RESIDENCE

5.07.2024, Project Overview:

This off-grid solar power system was implemented in Eldoret to provide sustainable and reliable energy for a residential house. The system features 10 solar panels rated at 625W each, a 5kW inverter, and a 10kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: JEMIGREEN LTD

Type: rooftop solar power plant

Installed capacity: 6.25 kWp

Region: Eldoret Uasin Gishu county

Solar modules: JA Solar 575 W Bifacial

Inverters: DEYE 5kw 48v, SUN-5K-SG03LP-EU, single phase

Battery: 10kwh U-HOME LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials, installation and commissioning

Mr. MIRITI'S RESIDENCE

16.05.2024, Project Overview:

This off-grid solar power system was implemented in Ruiru Kiambu County to provide sustainable and reliable energy for a residential house. The system consist of 16 solar panels rated at 625 W each, a 8kW inverter, and a 20kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: JEMIGREEN LTD

Type: rooftop solar power plant

Installed capacity: 10 kWp

Region: Ruiru, Kiambu county

Solar modules: JINKO 625 W Bifacial

Inverters: DEYE 8kw 48v, SUN-8K-SG03LP-EU, single phase

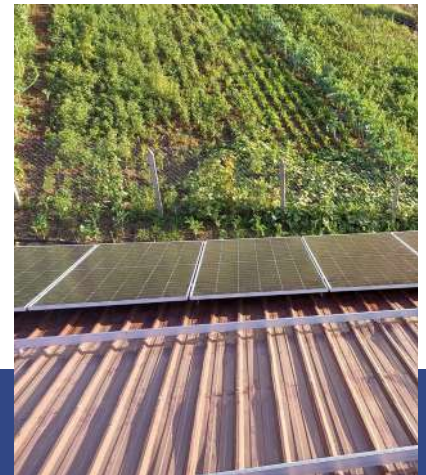
Battery: 20kWh U-HOME LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials,
installation and commissioning

JUJA FARM SOLAR PUMPING SYSTEM

17.04.2024, Project Overview:

Arrowtech has implemented a solar-powered water pumping system at Juja Farm, Kenya, designed to extract water from a borehole using an 11-kW submersible pump. This system is powered by a 22 kWp (kilowatt-peak) solar array, ensuring efficient irrigation for a 25-acre agricultural plot.



Customer: ENG KIMINGI

Type: rooftop solar power plant

Installed capacity: 22kWp

Region: JUJA KIAMBU COUNTY

Solar modules: JA Solar 575 W Bifacial

Inverters: 15KW VIECHI SUNVERTER, THREE PHASE

Works performed: design, supply of equipment and materials, installation and commissioning.

ALKINS ENTERPRISE LTD SHOP

04.04.2024, Project Overview:

This off-grid solar power system was implemented in Juja Kiambu County to provide sustainable and reliable energy for a shopping building. The system consists of 10 solar panels rated at 600 W each, a 5kW inverter, and a 10kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: ALKIN ENTERPRISE LTD

Type: Shade solar power plant

Installed capacity: 6 kWp

Region: Juja, Kiambu county

Solar modules: LONGI 600 W

Inverters: DEYE 5kw 48v, SUN-5K-SG03LP-EU, single phase

Battery: 10kwh MEGA TANK GL LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials, installation and commissioning

KAMAL'S RESIDENCE

23.03.2024, Project Overview:

This off-grid solar power system was implemented in Happy valley estate Eldoret to provide sustainable and reliable energy for a residential house. The system consists of 12 solar panels rated at 625 W each, an 8kW inverter, and a 10kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: JEMIGREEN LTD

Type: Carpark solar power plant

Installed capacity: 7.5 kWp

Region: Eldoret, Uasin Gishu county

Solar modules: LONGI 625 W

Inverters: DEYE 8kw 48v, SUN-8K-SG03LP-EU, single phase

Battery: 10kwh MEGA TANK GL LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials, installation and commissioning

MASIMBA FARM SOLAR PUMPING SYSTEM

8.03.2024, Project Overview:

Arrowtech has implemented a solar-powered water pumping system at Masimba Farm, Kenya, designed to extract water from a borehole using a 3-kW submersible pump. This system is powered by a 6 kWp (kilowatt-peak) solar array, ensuring efficient irrigation for the agricultural plot.



Customer: Mr. MULA

Type: shade solar power plant

Installed capacity: 6kWp

Region: MASIMBA KAJIADO COUNTY

Solar modules: LONGI SOLAR 375 W

Inverters: 5.5KW VIECHI SUNVERTER, THREE PHASE

Works performed: design, installation and commissioning.

SYLVIA PEACE LIGHTING SYSTEM

18.02.2024, Project Overview:

This hybrid solar power system was implemented in Juja to provide sustainable and reliable energy for a commercial building common area lighting and security system. The system consists of 6 solar panels rated at 600 W each, an 8kW inverter, and a 15kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: ENG KIMINGI

Type: rooftop solar power plant

Installed capacity: 3.6 kWp

Region: Juja Kiambu county

Solar modules: LONGI 600W

Inverters: DEYE 5kw 48v, SUN-5K-SG03LP-EU, single phase

Battery: 15kwh MEGA TANK GL LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials, installation and commissioning

SYLVIA PEACE SOLAR PUMPING SYSTEM

11.02.2024, Project Overview:

Arrowtech has implemented a solar-powered water pumping system at Juja, Kenya, designed to extract water from a borehole using a 7.5 kW submersible pump. This system is powered by a 16 kWp (kilowatt-peak) solar array, ensuring efficient to supply water to the 3 commercial buildings.



Customer: ENG KIMINGI

Type: rooftop solar power plant

Installed capacity: 16 kWp

Region: JUJA KIAMBU COUNTY

Solar modules: LONGI HI-MO X6 ANTI DUST 575 W

Inverters: 11KW VIECHI SUNVERTER, THREE PHASE

Works performed: design, supply of equipment and materials, installation and commissioning.

AMRITIAL SHAH GODOWN SYSTEM

01.02.2024, Project Overview:

This off-grid solar power system was implemented in Eldoret to provide sustainable and reliable energy for a godown. The system consists of 12 solar panels rated at 625 W each, an 8kW inverter, and a 10kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: JEMIGREEN LTD

Type: Carpark solar power plant

Installed capacity: 10 kWp

Region: Eldoret, Uasin Gishu county

Solar modules: LONGI 625 W

Inverters: DEYE 8kw 48v, SUN-8K-SG03LP-EU, single phase

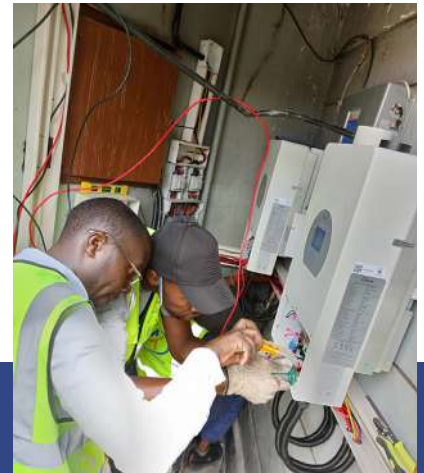
Battery: 10kwh MEGA TANK GL LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials, installation and commissioning

ALKINS RESIDENCE

08.01.2024, Project Overview:

This off-grid solar power system was implemented in Juja to provide sustainable and reliable energy for a residential house. The system consists of 12 solar panels rated at 555W each, a 5kW inverter, and a 20kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: ALKINS ENTERPRISE LTD

Type: Rooftop solar power plant

Installed capacity: 6.6 kWp

Region: JUJA KIAMBU COUNTY

Solar modules: LONGI 555 W HI-MO X6 ANTI DUST

Inverters: DEYE 5kw 48v, SUN-5K-SG03LP-EU, single phase

Battery: 20kwh MEGA TANK GL LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials, installation and commissioning

CATHERINE'S RESIDENCE

02.12.2023, Project Overview:

This off-grid solar power system was implemented in Thika Greens to provide sustainable and reliable energy for a residential house. The system consists of 42 solar panels rated at 580W each, 3, 8kW inverters, and a 30kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: MADAM CATHERINE

Type: Rooftop solar power plant

Installed capacity: 24 kWp

Region: THIKA GREENS KIAMBU COUNTY

Solar modules: JA SOLAR 590W BIFACIAL

Inverters: DEYE 8kw 48v, SUN-8K-SG03LP-EU, single phase

Battery: 30kwh MEGA TANK GL LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials, installation and commissioning

BARACK'S RESIDENCE

23.10.2023, Project Overview:

This off-grid solar power system was implemented in Siaya to provide sustainable and reliable energy for a residential house. The system consists of 10 solar panels rated at 555W each, a 5kW inverter, and a 5kWh lithium-ion battery. Designed to operate independently of the national power grid, this system ensures uninterrupted power supply while promoting clean energy adoption.



Customer: MR BARACK

Type: Rooftop solar power plant

Installed capacity: 5.5 kWp

Region: SIAYA COUNTY

Solar modules: JINKO 600 W

Inverters: DEYE 5kw 48v, SUN-5K-SG03LP-EU, single phase

Battery: 5kwh MEGA TANK GL LITHIUM ION BATTERY

Works performed: design, supply of equipment and materials,
installation and commissioning

MACHAKOS SOLAR WATER PUMPING SYSTEM

05.09.2023, Project Overview:

Arrowtech has implemented a solar-powered water pumping system at Masimba Farm, Kenya, designed to extract water from a borehole using a 2.2kW submersible pump. This system is powered by a 5 kWp (kilowatt-peak) solar array, ensuring efficient irrigation for the agricultural plot.



Customer: Mr. KASYOKI

Type: Rooftop solar power plant

Installed capacity: 6kWp

Region: MWALA MACHAKOS COUNTY

Solar modules: LONGI SOLAR 375 W

Inverters: 4.0KW HOBBER SUNVERTER, SINGLE PHASE

Works performed: design, installation and commissioning.

DAYAX FOOD INDUSTRY

23.2.2021, Project Overview:

This On -grid solar power system was implemented in Mogadishu to provide sustainable and reliable energy for the industry godowns. The system consists of 428 solar panels rated at 375 W each, 7 25kW inverters .Designed to operate as an on-grid system, to power the whole industry.



Customer: AUTOMAX ENGINEERING LTD

Type: Rooftop solar power plant

Installed capacity: 160kWp

Region: MOGADISHU SOMALIA

Solar modules: AMERI SOLAR 375 W

Inverters: SMA 25kw, three phase

Works performed: Installation

SIMAD UNIVERSITY

23.2.2021, Project Overview:

This On-grid solar power system was implemented in Mogadishu to provide sustainable and reliable energy for the university. The system consists of 485 solar panels rated at 330 W each, 7 25kW inverters. Designed to operate as an on-grid system, to power the whole school.



Customer: AUTOMAX ENGINEERING LTD

Type: Rooftop solar power plant

Installed capacity: 160kWp

Region: MOGADISHU SOMALIA

Solar modules: AMERI SOLAR 375 W

Inverters: 25kw FRONIUS ECO 25.0-3-S, three phase

Works performed: Installation



GET IN TOUCH

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