



**ARROWTECH**  
**ENGINEERING**  
**SOLUTIONS LTD.**

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[www.arrowtechengineering.com](http://www.arrowtechengineering.com)



# PIONEERING **SOLAR ENERGY** INNOVATION.





# ARROWTECH ENGINEERING SOLUTIONS LTD.

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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

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## 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

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Residential

Homeowners

Commercial &

Industrial Businesses

Agricultural

Enterprises

Government

Institutions

Non-profit

Organizations



## 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

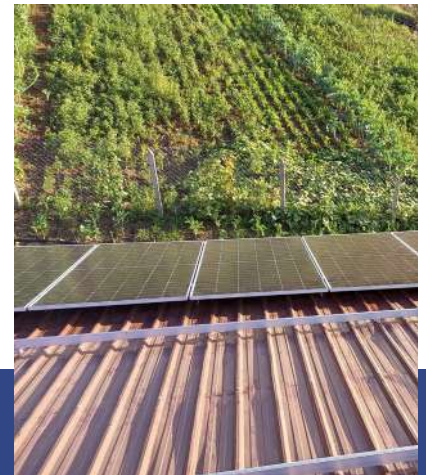
**Works performed:** design, supply of equipment and materials,  
installation and commissioning



## 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

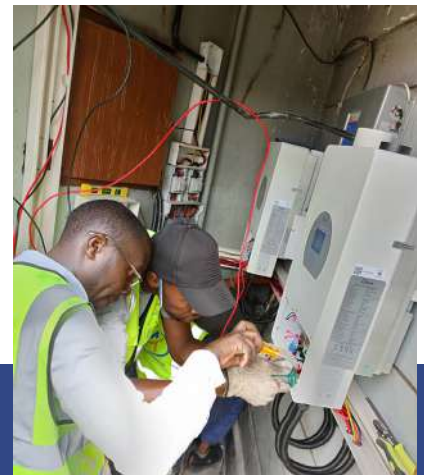
**Works performed:** design, supply of equipment and materials, installation and commissioning



## 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



## 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 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.

## 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



## 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

## 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

**Contact:** 0733 244 544 / 0710 624 673

**Email:** [info@arrowtechengineering.com](mailto:info@arrowtechengineering.com)

**Website:** [www.arrowtechengineering.com](http://www.arrowtechengineering.com)

**Location:** Ergon Plaza Eastern Bypass,  
Nairobi Kenya