



# Fuel Stations in the New Energy Infrastructure

SOLAR ASSISTED ELECTRIC CAR CHARGING



**KNIGHTS ENERGY**  
*for professional Solar Solutions*



Energy Transformation In The Transport Sector



# About Knights Energy

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Knights Energy is a Renewable Energy Company specializing in Low Carbon Technologies with a special emphasis on Solar and Wind Energy in Africa. The Company has the capacity to realise projects of variable complexity and provide the expertise to fully supply and install simple to complex on-grid and off-grid photovoltaic power plants with verifiable experience in the task at hand.

Over the years, the Company has become one of the biggest installers and maintenance partners for medium and large scale solar installations in the region with a considerable number of solutions for domestic and Industrial projects.



# What We do

## Renewable Energy Solution



## Affordable Clean Transport



## Energy Efficiency Solution



## ICT



# About Driveelectric

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## Drive Electric is a project of Knights Energy

- Our pivotal goal as Driveelectric is to develop, advocate and enhance mobility solutions that rely on renewable energy as their primary source of energy.
- We offer a counter measure against the soaring CO2 related emissions in the transport sector.
- Our e-mobility and Eco-Hub initiatives are among core solutions we offer to varied clients.



# Why Driveelectric

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Knights & Apps, through its DRIVEELECTRIC program has been on the fore-front of advocacy and educating the masses on Evs. From our first EV import in June 2016 a blue Nissan leaf, We have Attended many EV related events and partnered with government and Non-governmental Organizations over the last few years to promote and sell the idea of zero emission transport. **For the last 6 years our study in e-mobility has been pivotally in data collection in understanding viable business cases**

# Where we are

Knights Energy is one of Kenya's most versatile locally owned ICT and Renewable Energy Solutions with a wide coverage of Kenya and the East Africa Region. The firm serves its long-term Objective of being a one-stop-solution for home, office and Industrial solutions

## KENYA BRANCHES

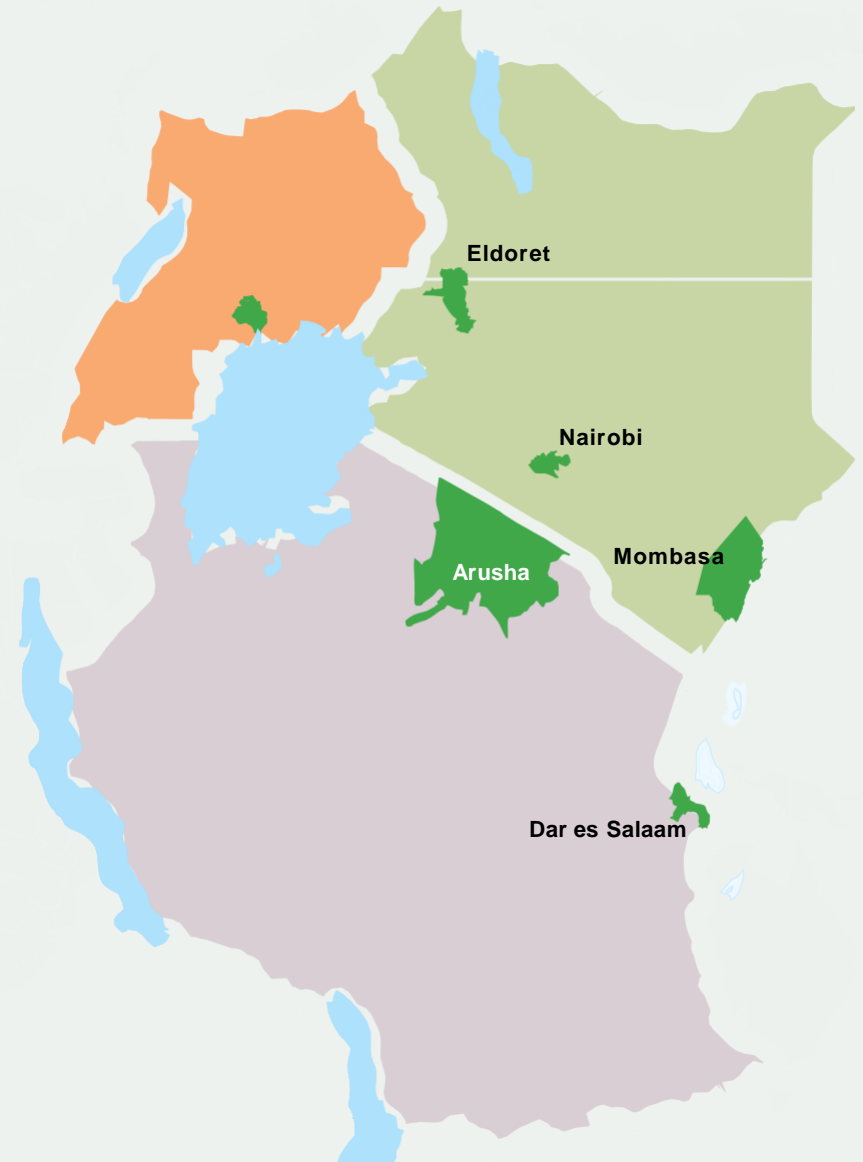
- 📍 Nairobi
- 📍 Mombasa
- 📍 Eldoret

## TANZANIA BRANCHES

- 📍 Dar es Salaam
- 📍 Arusha

## UGANDA BRANCH

- 📍 Kampala



# Our Core EV Offering

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All this is powered by  
**Solar**

Renewable, Sustainable  
Energy



## **BUSINESS CASE FOR 2-3 WHEELERS:**

wheelers for motor bikes to a Sales and Leasing of 2-3

larger population in urban and peri-urban and rural areas powered by solar and battery swapping.



## **WORKING CLASS AND C&I OR CORPORATE SOLUTION:**

Sales of Solar PV with EVs – using gradually financed solutions.



## **TRAINING & CAPACITY BUILDING:**

EV and Solar training Technical academy with partners targeting technical and engineering professionals.

# Here's what we can do for you:

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**E-MOBILITY  
CONSULTANCY**



**CHARGING  
INFRASTRUCTURE  
DEVT POWERED  
BY SOLAR**



**FLEET  
ELECTRIFICATION  
AND ANALYSIS**



**VEHICLE SALE  
AND LEASING**





## E-MOBILITY CONSULTANCY

Getting the switch to eMobility from the start of the process is crucial, hence our extensive eMobility consultancy service. We will help you spot efficiencies and opportunities for cost savings that might otherwise be missed. Reducing expenses is our number one goal.

Whether you run a fleet of 2 or 200 vehicles, our comprehensive approach can help minimize operating challenges and trim fleet expenses at every opportunity throughout your partnership with us. In order for us to prescribe the right fleet solutions for your business, we need to first identify your current areas of need and opportunities for improvement. Our experienced team will perform an on-site evaluation of your operation in order to create a customized plan for moving forward.



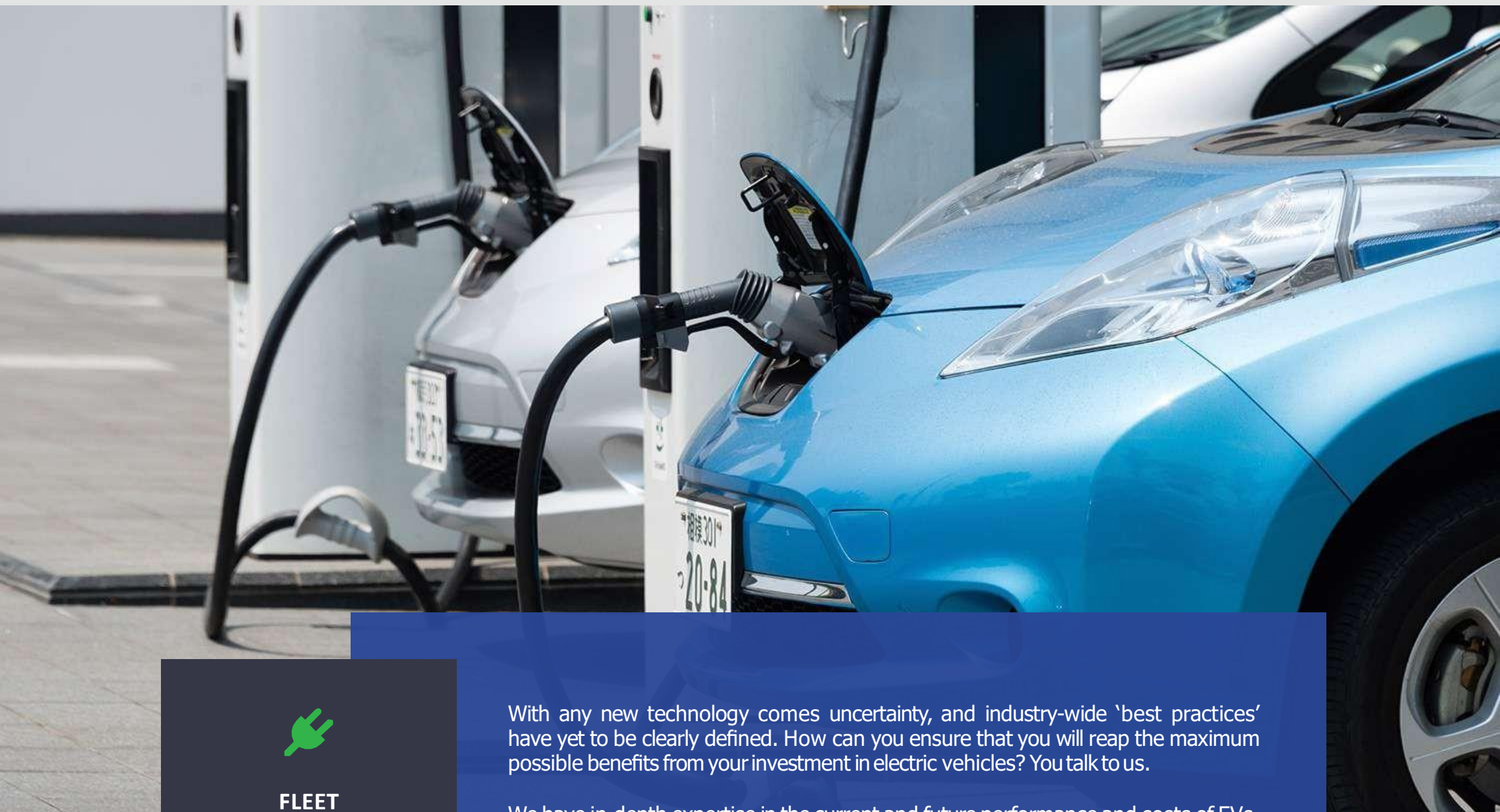
## CHARGING INFRASTRUCTURE DEVT POWERED BY SOLAR

Installing an EV charging station at your business premises increases cost savings and convenience.

We offer EV charger installation from the industry's top brands, matching the station to your needs. From the installation and online integration of every station, to the tracking and billing of all charging sessions, we help you operate and manage your charging stations with ease and efficiency.







**FLEET  
ELECTRIFICATION  
AND ANALYSIS**

With any new technology comes uncertainty, and industry-wide 'best practices' have yet to be clearly defined. How can you ensure that you will reap the maximum possible benefits from your investment in electric vehicles? You talk to us.

We have in-depth expertise in the current and future performance and costs of EVs, the feasibility of deploying the technology into your fleet, and we are right in the centre of influence policy context that is driving the adoption of ultra-low emission vehicles.





## VEHICLE SALE AND LEASING

It is no surprise that most of our clients chose to lease their vehicles. This service enables you to drive the car you want right away and it is also a more affordable approach. In order to accommodate the evolving needs of our clients, we try to give them as many options as possible when it comes to vehicle acquisition.

Talk to us about our current inventory, we'll be happy to help you figure out if this is an avenue that makes sense for you.



# Electric Vehicle Supply Equipment (EVSE) Solutions

Charging an EV requires plugging it into a charger connected to the electric grid, also called Electric Vehicle Supply Equipment (EVSE). **We offer sales and servicing of AC & DC Commercial Rapid Chargers**



PORTABLE CHARGER –  
UK PLUG



PORTABLE CHARGER –  
CEE PLUG



QUB EV 7KW  
EV CHARGER



ROLEC 7KW  
SOCKETED



SETEC 20KW DC  
WALL-MOUNT



ROLEC 7KW  
TETHERED



ROLEC 11/22KW  
SUPERFAST



ROLEC 7KW  
TETHERED



ROLEC 7/11/22kW  
SECURICHARGE



MENNEKES  
7/22kW

# Electric Vehicle Supply Equipment (EVSE) Solutions



**SIEMENS SICHARGE  
7/22kW**



**SETEC DUAL  
7/22kW SOCKET**



**ROLEC 7/11/22 KW  
DUAL/SINGLE**



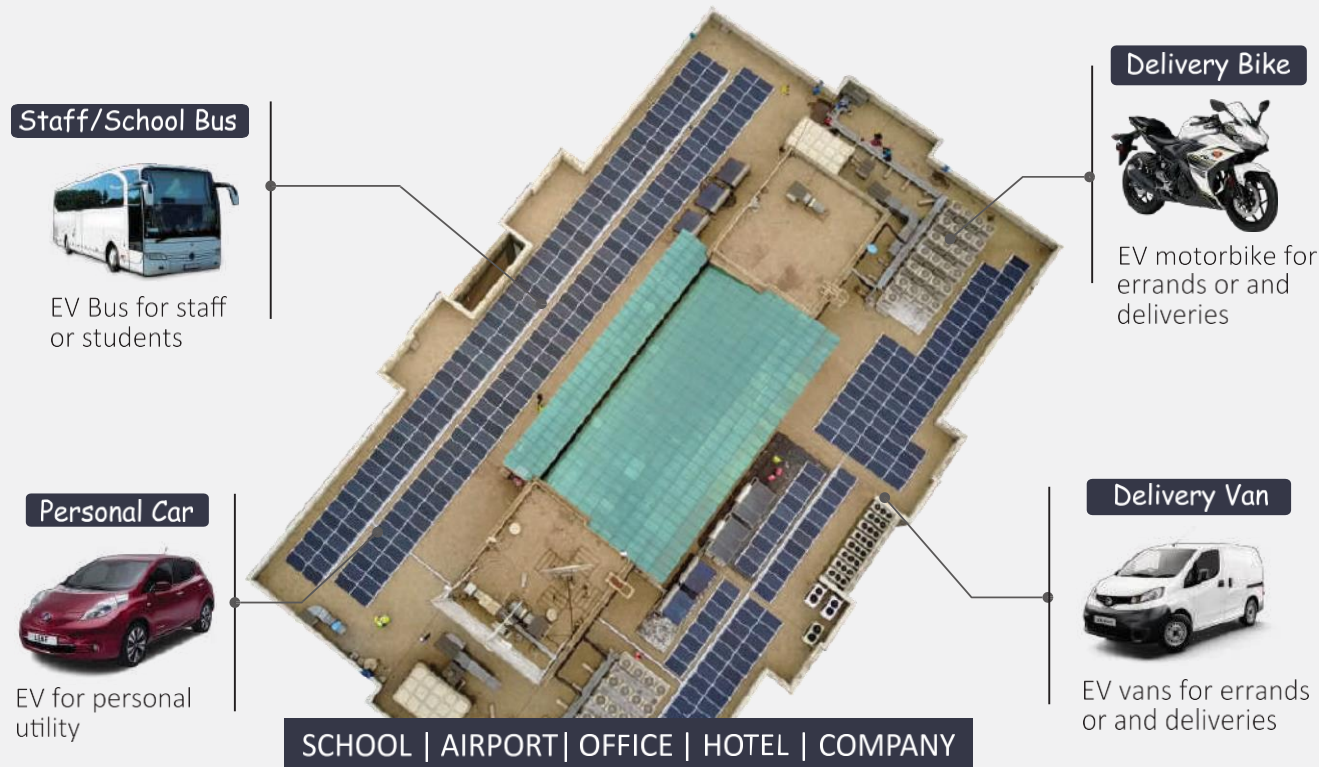
**ROLEC 50KW DC (3IN1)**



**SETEC 50KW DC**



# The Eco-Hub Concept



## Revolutionizing Transport and Achieving Energy Security

We are proud to be pioneering the **ECO-HUB CONCEPT** that is truly revolutionizing the transport sector. Whether it is reducing maintenance costs, realizing huge fuel savings or meeting sustainability goals, it is clear that electric vehicles are a better choice for business and this concept is at the heart of that agenda.

# Development of Renewable Energy and Energy in Transport

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- **The Eco Hub system** ensures that the solar power produced is used efficiently and can be optimized for charging an electric vehicle. For the urban setup, a smart home application of solar and EV charging, can sufficiently satisfy 80% of the daily commute.
- **The Eco-Hub Concept** involves the development of an integrated electro mobility ecosystem powered by solar. This is a sustainable business model that can be implemented across various transport models resulting in a magnitude of energy and cost saving as well as environmental benefits.



**Use of Solar for EV = ZERO ENERGY COSTS!**

# Strategies to accelerate EV deployment

All over the world, governments attempt to support the transition to e-mobility. The introduction of electric driving is a complex and unpredictable process that is not likely to occur all by itself.



## AWARENESS

- EV showcases and demonstration zones.
- Youth education and professional development.
- Awards and recognition
- Highly visible Signage
- Informational Websites
- National Drive Electric Week promotional events
- Encourage elected officials to drive Evs

## INFRASTRUCTURE

- Providing direct financial incentives for setting up of infrastructure
- Investing in government-owned infrastructure.
- Partnering with EV stakeholders to ensure charging stations are accessible to the public.
- Adopting accredited standards to allow and encourage installation of charging stations throughout the city.

## POLICY

- Lower import duties and road tax for electric vehicles
- Preferential access and exemption from congestion fees in urban areas
- Adopt EV-friendly zoning and parking ordinances.
- Identify other policies and incentives that may promote EV use, such as free parking for EVs, or tax credits for businesses that offer EV charging.



# Thank you

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