



## Hs company profile

“For solar, electrical, energy and civil works”



COMPANY NAME: **Hs Green Energy Engineering Solutions.**

COMPANY REGISTRATION NUMBER: **172028**

LOCATION: **Katta T.C**

**Mpelerwe – Buwambo Rd**

**Kasangati Town Council**

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### **Business information**

#### **OUR VISION**

To be the leading engineering company in east Africa and beyond

#### **OUR MISSION**

To serve our clients through extension of reliable and high-quality energy services

#### **OUR VALUES**

- **Quality**; we pursue high quality services in all our activities.
- **Timeliness**; we value time in all our activities, we ensure in and on time delivery in all our services.
- **Consistence in service provision**; we are genuinely concerned about customer satisfaction through consistent service provision.
- **Integrity**; we commit ourselves to the highest professional standards in all
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#### **OUR OBJECTIVES**

- Increase access and utilisation of renewable and sustainable energy.
  - Offer appropriate solutions to power shortages in Uganda and beyond
  - Research and innovate the energy sector in Uganda and beyond
  - Mobilise resources for clean energy services in Uganda.
  - We aim at providing customers with “value For Money” engineering services and development of solutions,
  - We intend to advance positive social change through social investment and incorporation environmental protection in all our services.
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## **EXECUTIVE SUMMARY**

HS GREEN ENERGY ENGINEERING SOLUTIONS LTD (HS) is a privately owned company based in Kampala, Uganda but internationally focused.

Established in 2013, the company has expanded beyond its initial focus in Uganda, now providing renewable and sustainable energy services worldwide through NGOs, private companies and individuals, government projects in Uganda and beyond.

With over seven years' experience it has specialized in;

- Solar supplies, installation and maintenances.
- Domestic and industrial installations and wirings.
- Power line, survey, extension and maintenance of low voltage (240-415) V, medium voltage up to 33kv.
- Biomass energy (energy efficient stoves installation and maintenances, bio-gas designs, constructions and maintenances, and briquettes production and distribution).
- Energy research and consultancies.

HS Green Energy Engineering Solutions also offers project management, feasibility study, procurement and supply of electrical materials, solar materials, equipment, parts and tools.

## **HS GREEN ENERGY POLICY**

At HS GREEN ENERGY we believe the protection of the environment is an important element of our corporate culture and that no process is so important that we cannot find a safe, healthy and environmentally sound way of carrying out our projects. When implementing projects in environmentally sensitive areas, such as critical dunes or wetlands, we work with local agencies to ensure strict enforcement of all applicable laws, ordinances, and directives. We routinely segregate construction waste for recycling when applicable on project job sites. HS GREEN ENERGY is committed to providing work places which are safe, healthy and friendly environments where safe working practices are insisted upon. We want everyone to encourage responsible behaviour and to contribute positively to seeking safer and more productive ways to work.

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## **SAFETY POLICY**

We know that the health and safety culture come from the top of the company. Our directors are committed to the values and the policies set out in this document. In accordance with this policy, the directors and management endorse the following action points:

- The directors accept formally and publicly its collective role in providing health and safety leadership for the company.
- The directors require all management functions within the company to be carried out in a manner that reflects the health and safety intentions of this policy statement.
- The directors accept their role in engaging the active participation of workers in improving health & safety

### **IT IS OUR POLICY TO PROVIDE:**

- A place of work, systems of work and plant that are safe and do not pose a risk to the health, safety and welfare of our employees, independent contractors, members of associated companies and the general public, so far as it is reasonably practicable to do so.
  - Appropriate information, instruction, training and supervision for all employees.
  - The allocation of sufficient resources to enable the health and safety policy to function effectively.
  - Regular consultation with employees, contractors, environmental health officers and other relevant organisations.
  - Regular assessment of operational performance, incident investigation reports and audit information through a system of management review meetings in order to ensure continual improvement.
  - Commitment to ensuring health and safety matters are an integral part of the business.
  - Commitment to complying with statutory requirements, approved codes of practice, recognised guidelines and other relevant industry standards.
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- Commitment to the understanding of changes in working arrangements which have significant implications for Health and Safety.
- Technical guidance and supporting information in order to assist management in developing risk assessments and associated method statements.

## **ENVIRONMENTAL POLICY**

Environmental protection is and will continually be our compatible goal and to obtain this goal, we will adhere to the following principles.

### **Compliance with legal requirements and voluntary commitments.**

HS GREEN ENERGY engineering solutions ltd shall comply with applicable laws, regulations and voluntary commitments.

Energy and environment are fundamentally inter-linked, many energy sources come directly from natural environment, sustainable compliance with legal and NEMA (National Environment Management Authority) will be key consideration in facility training, utilisation, incentive programs and in period performance evaluation of all our employees.

Our company shall put provisions for proper training of all employees to comply with applicable environmental laws, regulations and procedures to meet environmental goals and take individual and corporate responsibility for implementation of all programmes.

### **Sharing information with the community**

HS GREEN ENERGY engineering solutions ltd shall share information on our commitment to environment performance improvement to both our internal and external stakeholders. We will always involve them in meeting our environmental goals and in turn will always offer assistance to meet their environmental goals.

### **Continual improvement**

Evaluation of our progress our progress will be done constantly and progress reports will be reviewed and report annually. We will continually seek opportunities to improve adherence these principles and to improvement of our environmental performance.

All levels of management at HS GREEN ENERGY are responsible for ensuring that this policy is communicated and adhered to by all employees.

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## **QUALITY POLICY STATEMENT.**

HS GREEN ENERGY is committed to meeting or even exceeding customer requirements and enhancing customer satisfaction through continuous improvement of its services and the quality management system.

### **Quality policy statement**

HS GREEN ENERGY has a well-defined quality management system and has an internal quality policy.

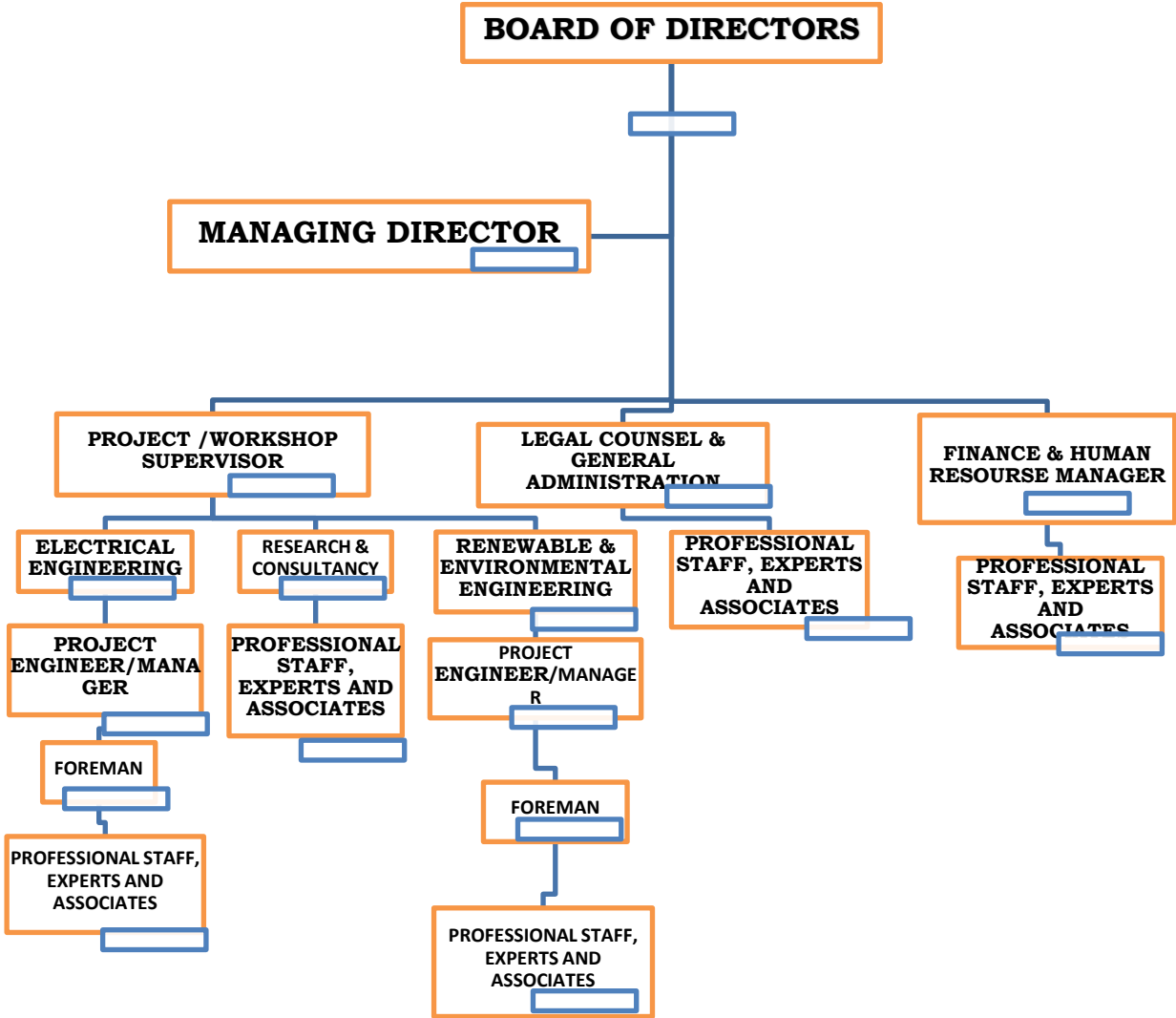
### **Our company will:**

- Be responsive to customer needs
- Provide effective engineering and maintenance solutions to its customers.
- Provide reliable consultation, training, audit and support.
- Ensure efficient and effective utilisation of resources.
- Meet and exceed customer needs and requirements.
- Enhance customer satisfaction through feedback process.
- Continually improve its services and quality management (QMS)
- Always identify improvement opportunities

### **STAFF**

We believe that our employees provide the most value to the company. HS GREEN ENERGY operates on the team concept and our many skilled and experienced staff and field team members have established a standard of excellence that is well recognised in the Energy industry. Our office staff include highly trained and experienced business, engineering and technical experts who provide oversight and support for each project. This team concept is the basis for our hands-on, pro-active approach which helps us to produce the most important results of every job to our client's satisfaction.

HS GREEN ENERGY organogram





## Our services

**5.1 Solar supplies and installation:** HS Green Energy Engineering Solutions Ltd supplies, designs and installs high quality solar appliances for both domestic and industrial use. These appliances range from solar panels, charge controllers, batteries, solar water heaters, inverters e.t.c. we have a specialised and experienced worker who are customer focused.



**5.2 Electrical services:** HS GREEN ENERGY offers electrical materials and electrical installations such as domestic and commercial wiring, industrial installations, Electrical repairs and maintenance, Power line construction and maintenance of low voltage (240-415) V, medium voltage up to 33kv, transformer installation and repairs, Generator installation, motor (machine) installation and rewinding, maintenance and servicing.





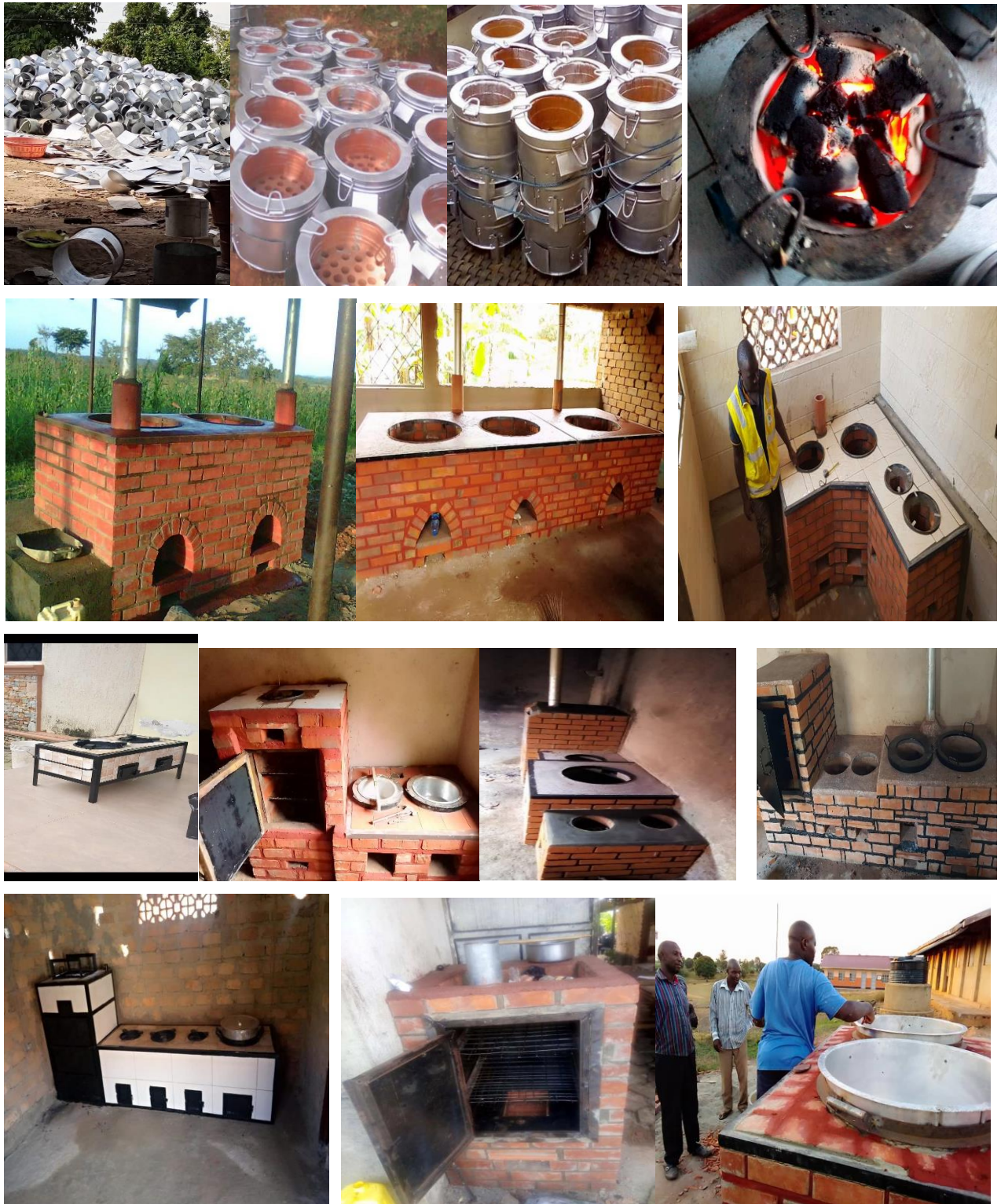
**5.3 Bio-mass energy**, HS GREEN ENERGY offers a set of environmentally friendly cooking energy solutions. They include:

**5.3.1 Biogas systems:** HS GREEN ENERGY designs and constructs biogas digesters for biogas production. These systems provide an alternative clean and affordable cooking energy from animal waste. These systems utilise animal waste and digests it in to biogas which is used for cooking. In a bid to utilise waste, we have built encouraged and trained many farmers to utilise animal waste for cooking.





**5.3.2 Energy efficient stoves:** HS GREEN ENERGY produces and constructs stoves and ovens for both charcoal and firewood for domestic and institutional purposes. These stoves use less amounts of charcoal and firewood and they are smoke free. These stoves provide convenient and clean cooking solutions. We pride ourselves in designing and constructing high quality stoves that save energy.





**5.3.3 Incinerators:** HS GREEN ENERGY designs and constructs waste incinerators for both domestic and institutional purposes with the aim of improving waste management. We construct waste incinerators for homes, schools, industries and health centres. We purposed to train and help people sort waste for proper disposal and environmental conservation.



**5.3.4 Briquettes:** HS GREEN ENERGY produces and distributes smoke free briquettes; these briquettes are made out of Agro- waste. This is one of our strategy to reduce on the escalating rates of deforestation with in the country mainly due to over reliance of the population on firewood for cooking. Our briquettes are smoke free, burn for long hours and very affordable.



**5.4 Renewable energy consultancies:** HS GREEN ENERGY offers a wide range of consultancies in clean energy. We have a team of great knowledge in energy auditing, energy training, energy designing, monitoring and evaluation. We have done research for and on various energy projects which has given us exposure to implementation of clean energy projects.

**5.5 PROJECT MANAGEMENT:** From budgeting and planning to implementation, we have found that this is an area where many engineering companies lack the necessary expertise. HS GREEN ENERGY works closely with local companies, providing project management support and advice, thus building and strengthening capacity within a crucial area of the energy business.

## 6.0 Machine and equipment

We have an extensive fleet of machinery and equipment including the following:

|  |  |
|--|--|
| <b>1. Mitsubishi Pick-Up Single Cabin</b>        | <b>2. ISUZU 4 Tonne Truck</b>                    |
| <b>3. Townace Pickup</b>                         | <b>4. Lorry Self-Loader 2 Tonnes</b>             |
| <b>5. Pick-Up Double Cabin</b>                   | <b>6. Drills</b>                                 |
| <b>7. Augers, <math>\frac{3}{4}</math>, 7/8.</b> | <b>8. Solar PV Array Tester</b>                  |
| <b>9. Adjustable Ladders</b>                     | <b>10. Insulation Resistance Tester (Megger)</b> |
| <b>11. Earth Impedance Tester (Megger)</b>       | <b>12. Working Earth</b>                         |
| <b>13. High Voltage Proximity Tester</b>         | <b>14. HV Operating Sticks</b>                   |
| <b>15. Climbers</b>                              | <b>16. Drum jerks</b>                            |
| <b>17. Pit excavation irons</b>                  | <b>18. Pull and Lift<br/>1½ Tone ,1 Tone</b>     |
| <b>19. Come Along<br/>50sqmm, 100sqmm</b>        | <b>20. Tirfor</b>                                |

Please note that if we do not currently have the equipment that is required for your project, we will hire it for the duration of that project at discounted prices and these savings are passed on to the customer. Equipment is available for hire subject to availability. Please contact us with your requirements. It is the combination of these capital resources and our valuable human resources that enables us to deliver a successfully completed project on budget and on time.

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## **Quality assurance system**

Hs Green Energy Engineering Solutions Ltd has a well-defined quality management system and has an internal quality policy. All our clean energy products such as briquettes, energy efficient charcoal and firewood stoves are tested and approved through a company quality control system.

A quality assurance and control system has been put in place to ensure compliance of the products and services. Our quality assurance team has vast experience to streamline the entire assignment progress through weekly and monthly reports with the aim of ensuring the best out-put.



## 8.0 Our clients.

| Name of the Employer   | Description of the contract  | Date of completion |
|--|--|--------------------|
| TBEA LTD   | Line surveying, construction and extension (UP-TO 33KV) in northern Uganda i.e LIRA, AMURU AND KITGUM –  | ON- GOING          |
| Lady Abbey and Victoria Monastery, Kijonjo, KYOTERA DISTRICT   | Design and constructed 75 cubic meter biogas system for the monastery to provide an alternative energy for cooking.  | September 2020     |
| Lady Abbey and Victoria Monastery, Kijonjo, KYOTERA DISTRICT   | Design and installation of solar packages for kijonjo catholic primary school, kijonjo Muslim primary school, kijonjo health centre 111, Design and construction of energy efficient stoves for the catholic and Muslim primary schools. | September 2020     |
| Syliver technical services ltd   | Construction of MV and LV lines (50 km in total) in Rukungiri  | May 2019           |
| Migeera Town Council<br>P.O.Box 1, Nakasongola District  | Suply And Installation of Solar Street Lights in Migeera Town Council  | April 2017         |
| HEED UGANDA  | Detailed consultancy to improve the electrical installations at HEED campus in mubende   | March 2017         |
| HEED Uganda  | Detailed design of Primary section Solar PV Water Pumping and Solar PV Lighting system   | March 2017         |
| Uganda National Roads Authourity<br>Kotido Station   | Solar System Maintenance   | January 2017       |
| Premier Solar Systems (Pvt) Ltd,<br>Plot 29, Kiira Road,<br>P.O.Box 36155, Kampala                                   | Construction and Maintenance of Solar Powered Mini-piped water schemes in rural areas in Uganda for Ministry of Water and Environment:<br>Installation of 5.8kW solar pumping system at Kikandwa-Mubende under sub-Contract              | December 2016      |
| Individual Clients   | Supply and installation of solar water pumps to individual clients   | On going           |
| Nakasongola Town Council<br>P.O.Box 1, Nakasongola District  | Phase 1 solar street light supply, installation and commissioning  | December 2016      |
| Deutsche Internationale Zusammenarbeit (GIZ),<br>Kampala Uganda  | GIZ Electricity Access Impact Maximisation Programme.<br><br>Wiring Of Social Institutions In Arua, Nebbi And Zombo  | December 2016      |
| Uganda Energy credit Capitalization Company Limited  | Supply and installation of solar items in The UECCC Solar Financing Programme  | December 2018      |
| Kyambogo university<br>Senior procurement officer.<br><a href="mailto:webmaster@kyu.asc.ug">webmaster@kyu.asc.ug</a> | Supply and delivery of electrical materials (KU/SUPLS/2015-2016/00001/1.11   | October 2017       |
| Katalemwa Cheshire Home,<br>P.O.Box 16548, Kampala-Ugandan,  | Repair and maintenance of electrical installations & minor civil constructions.  | December 2018      |

|   |   |               |
|---|---|---------------|
|   | (Ref:KCH/SUPLIS/SRVCS/WRKS/2015/001 )   |               |
| AOT Consulting<br><a href="http://www.aotconsulting.co.ug">www.aotconsulting.co.ug</a><br>Mr. Nelson Tashobya Ruhaabwa<br>CEO | Consultancy Service for the design of of 50 kWp Solar system for sunshine Agro farm. HS Green was sub contracted by AOT Consulting to carry out feasibility study and detailed design of a solar System of capacity 50 kWp at Buwama, Sunshine Agro farm. | March 2016    |
| Power Consults Eng Services Ltd<br>Technical director   | Electrical Works<br>SUBCONTRACTED<br>Construction And Refurbishment Of Power Lines At Kiduuma Village Project No. Distribution Transformer Injection- 264148 ( 4KM)   | January 2016  |
| Kirchof's Technician<br>Technical Director  | Electrical Works<br>SUBCONTRACTED<br>Construction Of Power line At Masaka ( Malembo Landing Site) In Uganda Of 3km ( 2MVAnd 1LV)  | January 2015  |
| Sunlabob Renewable Energy Ltd<br>C <a href="http://www.sunlabob.com">www.sunlabob.com</a>                                     | Maintenance of solar PV systems. Servicing And Maintenance Of Solar PV Systems In 64 Post Primary Education Institutions For 5 Years.   | ON -GOING     |
| Haso engineers company ltd<br>Projects engineer   | Electrical works maintenance<br>SUBCONTRACTED<br>Maintenance Of Hoima- Busunju 33kv Feeder 20km From Kiboga To Katanabirwa Along Hoima Road.<br>Maintenance Of Jinja Industrial Owen Falls 3 Feeder   | October 2014  |
| Baseline Africa ltd<br>Plot 1360 Gaba Road  | Supply of solar panels and batteries. Supply Of Solar Panels Modules 100wp (100pcs) And Supply Of Solar Batteries Haze Type 100wp (100pcs)  | August 2014   |
| St Josephs's.s.s Nkoni, lwengo<br>Head Teacher  | Supply and installation of a solar PV system (5kwp)   | December 2014 |
| Kirchof's Technician<br>Technical Director  | Supply Of Wires 2.5mm Twin With Earthing ( 100m Per Roll) 100 Rolls   | October 2014  |
| Baseline Africa Ltd<br>Plot 1360 Gaba Road  | Supply Of Wires 2.5mm Twin With Earthing (100m Per Roll), 100rolls, 4mm Twin (UV Protected) 20 Rolls , Switches One Gang UK Standard 50pcs, Sockets Single UK Standard 50pcs  | 2013          |
| Draco (u) ltd<br>p.o.box 6438   | SUNLABOB Subcontractor<br>Design and Installation Of Solar PV Systems In 64 Post Primary Schools.   | December 2013 |
| Baseline Africa ltd<br>Plot 1360 Gaba Road  | Installation Of Solar Home Systems, 100w At Busolwe Kamuli District   | November 2013 |

- Poultry farmers buy briquettes from us for brooding and individual homes for as a clean cooking alternative.
  - Education institutions- we have constructed a number of institutional stoves for schools
    - 1- Mother Kevin Primary School- Maya
    - 2- Cambridge S.S.- Kyengera
    - 3- Kijonjo Muslim Primary School
    - 4- Kijonjo Catholic Primary School.
  - We have successfully constructed charcoal and firewood energy efficient stoves for many clients in Uganda.
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*"The only Engineering Choice"*

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