

Brent Technologies uses an innovative, low-cost technology (S-TECH) to transform waste motor oil into fresh motor oil, diesel fuel and roofing asphalt shingles. This overcomes shortages of motor oil and diesel fuel and increases transportation to areas that have limited access to basic necessities.



## Brent Technologies, Uganda

### 🏆 SAG-SEED AWARD WINNER 2017 🏆

#### BUSINESS MODEL

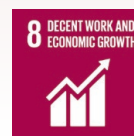
Brent Technologies sources waste motor oil from various suppliers and recycles it into diesel fuel and motor oil using an innovative, low-cost technology. The wastes from the process are also used to make roofing shingles. These outputs are then sold to the market, creating an eco-friendly supply chain.

A wide network of collectors from various cities and suburbs helps supply waste motor oil to the refinery. The waste is collected weekly and suppliers are reimbursed for the resources supplied.

#### ENTERPRISE FAST FACTS:

Location	Masaka, Uganda
Year founded	2015
Sector	Waste and sanitation
Product/Service	Fresh motor oil and diesel fuel

#### Contribution to the SDGs:



#### Social impacts:

- Mitigating negative health impacts from contaminated agricultural produce and from burning waste oil.
- Increasing agricultural yields by reducing soil pollution caused by mismanagement of motor oil waste.
- Training workers for the refinery and offering employment opportunities.

#### Environmental impacts:

- Reducing oil pollution in crucial resources like soil and water – one litre of oil pollutes one million litres of water.
- Decreasing the burning of waste oils that produces toxic fumes and exacerbates climate change.
- Refining 1,000 litres of waste oil per day in 2017.

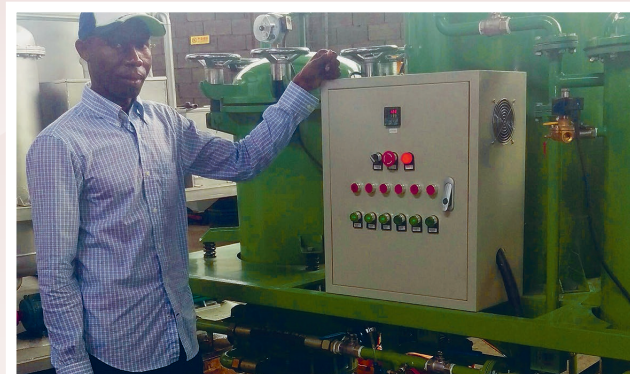
#### Economic impacts:

- Opening a sales office in Kampala by the end of 2017 to enable easier access to the market and supplies.
- Ameliorating the shortage of diesel and associated disturbances in transport.
- Reducing the country's dependence on imported oils and lower foreign currency expenditure on resources.

” The team is changing the standards of production and doing so in a manner that directly reduces environmental impact, while making quality products accessible and affordable to the greater population.

### Scaling up activities:

- Install a new reaction kettle that can handle up to 5,000 litres in every batch, allowing a daily production of at least 10,000 litres.
- Expand production and collection capacity in Uganda, increasing the volume of recycling to 50,000 litres per day by 2019.
- Establish a refinery in Rwanda in 2018 to tackle mismanagement of waste oil and expand to new countries, in the beginning this refinery will recycle 1,000 litres per day.
- Build a sustainable capital base to enable the company to scale up even further and potentially replicate to other African countries.



### Partnership

• **Brent Technologies Ltd** originally developed the technology, and today organises the network of suppliers and processes and sells the motor oil, diesel and shingles.

• **Desbro Uganda Ltd** is the largest chemical distributor in East Africa. They supply chemicals and other supplies used in the waste oil recycling process.

• **MK Transporters** provide transportation services to the enterprise.

• **Muwonge Auto Supplies** are oil product distributors who partner with the enterprise to redistribute the outputs from the recycling process.

### Contact

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The 2017 SAG-SEED Awards in Burkina Faso, Ghana, Kenya, Mauritius, South Africa and Uganda are supported by SWITCH-Africa Green, which is implemented by UNEP with the assistance of the European Union.

### About SEED

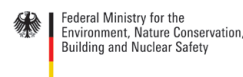
SEED is a global partnership for action on sustainable development and the green economy. Founded by the United Nations Environment Programme, the United Nations Development Programme and the International Union for Conservation of Nature at the 2002 World Summit on Sustainable Development in Johannesburg, SEED supports innovative small scale and locally driven enterprises around the globe which integrate social and environmental benefits into their business model. The 2017 SAG-SEED Awards in Burkina Faso, Ghana, Kenya, Mauritius, South Africa and Uganda are part of the multi-country project “Promoting Eco-Entrepreneurship in Africa” implemented by SEED under SWITCH-Africa Green (SAG). SAG is implemented by UNEP with the assistance of the European Union. Other project partners in SAG are UNDP and the United Nations Office for Project Services (UNOPS). South African Awards are co-financed by the Government of Flanders.

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