



Alvin Kabwama, 24, an electronics engineer from **Uganda** with **UriSAF**, which uses pH and infrared sensors to test urine for infections quickly, accurately and affordably.



•Kampala

UGANDA



•Kampala

UGANDA

Arthur Woniala, 27, a mechanical engineer from **Uganda** with **Khainza Energy Gas**, a cheap and efficient biogas made from manure and safe for household use.

Brian Gitta, 24, a computer scientist from **Uganda** with **Matibabu**, a low-cost reusable device that tests for malaria quickly and accurately without drawing blood.



•Kampala

UGANDA



•Nairobi

KENYA

Brian Mwenda, 21, an electronics engineer from **Kenya** with **The Sixth Sense**, a handheld echolocation device with ultrasonic sensors that alert visually impaired users to objects nearby.

Collins Saguru, 27, a chemical engineer from **South Africa** with **AltMet**, an economical, environmentally sustainable process to recover and re-use precious metals from cars.



Johannesburg

SOUTH AFRICA

The #AfricaPrize for Engineering Innovation

2018 SHORTLIST

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Daniel Taylor, 20, an electronics engineering student from **Ghana** with **HWESOMAME**, a low-cost smart sensor that accurately detects soil conditions and notifies farmers via text or phone call.



GHANA



Iseyin

NIGERIA

Emeka Nwachinemere, 31, a mechanical engineer from **Nigeria** with **Kitovu**, an online platform that helps farmers in remote locations to increase crop yields and sell their produce.

Esther Gacicio, 47, an education specialist from **Kenya** with **eLearning Solutions**, an interactive online programme that hosts courses for individuals or serves as a tool for training institutions.



KENYA



Akwa

NIGERIA

Ifediora Ugochukwu, 33, an electronics engineer from **Nigeria** with **iMeter**, which gives electricity consumers and power utilities control over electricity use.

Lawrence Okettayot, 22, a mechanical engineer from **Uganda** with **Sparky Dryer**, a low-tech dehydrator that dries fruit and vegetables to extend their shelf life and reduce food wastage.



UGANDA



Kumasi

GHANA

Michael Asante-Afrifa, 26, a mechanical engineer from **Ghana** with **Science Set**, a mini science lab with all the materials needed to do the science experiments in a school syllabus.

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KENYA

Monicah Wambugu, 28, a computer scientist from **Kenya** with **Loanbee**, a mobile phone application that calculates the user's credit scores and grants micro-loans.

Nges Njungle, 21, a computer engineering student from **Cameroon** with **Muzikol**, an online music marketing and social media app designed to meet all the career needs of musicians.



CAMEROON



NIGERIA

Nnaemeka Ikegwuono, 35, a farmer and social entrepreneur from **Nigeria** with **ColdHubs**, solar-powered walk-in cold rooms that extend the life of perishable food tenfold.

Peter Kariuki, 25, a software engineer from **Rwanda** with **SafeMotos**, an app that connects commuters to the safest motorcycle drivers in Kigali and monitors driving behaviour.



RWANDA



SOUTH AFRICA

Shalton Mothwa, 30, a nuclear physicist from **South Africa** with **AEON Power Bag**, which allows users to charge their phones on the go by converting radio waves and solar energy into power.