

WASHKing produces, supplies and installs biogas toilets out of eco-friendly material for low-income urban households in order to improve health and economic conditions and to keep the environment clean. Training on using the toilet and after-sales services complement the package.



WASHKing, Ghana

🏆 SAG-SEED AWARD WINNER 2017 🏆

BUSINESS MODEL

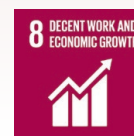
WASHKing manufactures, supplies and installs environmentally friendly biogas toilets. The toilets are built locally by local artisans and using regionally available materials. The WASHKing technology introduces a locally made biodegradable powder developed in India for digestion. In addition, the treatment system separates effluent and turns it into safe water for agriculture or landscaping.

The main target groups are low-income urban households and institutions with poor or no access to toilets. Flexible payment terms, training on hygiene and after-sales services ensure customer loyalty.

ENTERPRISE FAST FACTS:

Location	Accra, Ghana
Year founded	2016
Sector	Waste and sanitation
Product/Service	Biogas toilets

Contribution to the SDGs:



Social impacts:

- Improving health conditions of over 200 households by reducing sanitation-related diseases by the end of 2017.
- Enhancing transferable skills for ten youths yearly as artisans building the toilets.
- Providing safe sanitation and hygiene training to over 1,000 people by the end of 2017.

Environmental impacts:

- Reducing water and air pollution by eradicating open defecation in 200 households by the end of 2017.
- Minimising water usage to 500 ml for each flush.
- Using biodegradable powder for digestion.
- Recycling water and sludge for usage in agriculture or landscaping.

Economic impacts:

- Improving income and employment of local community members through creating artisan and sales jobs.
- Raising productivity through better sanitary and health conditions among low-income populations.
- Providing manure and recycled water as by-products that can be used for economic activity.

” The toilet technology treats waste on-site under complete aerobic conditions, reducing greenhouse gas emissions escaping directly into the air.

Scaling up activities:

- Strengthen partnerships with local and international organisations to provide entrepreneurship training, hygiene and climate change education and micro-loan support.
- Promote WASHKing systems on a larger scale to reach more customers and achieve profitability by the end of 2018.
- Continue research and development activities to upgrade the product and develop new products, including portable toilets.
- Establish production sites and accordingly train up to 250 future employees in three relevant regions of Ghana by the end of 2019.



Partnership

● **WASHKing Sanitation Systems Limited** develops, produces, supplies and markets the WASHKing products.

● **Global Youth in Environmental Sustenance (G-YES)** is a local NGO providing sanitation and hygiene education that helps to distribute WASHKing toilets, mainly in the Ga West Municipal of the Greater Accra region of Ghana.

● **Ga West Municipal Assembly (GWMA)** is a local government institution mobilising and providing access to the local communities, which allows for smooth supply of WASHKing toilets within the Ga West communities.

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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.

www.seed.uno/sag

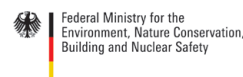
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