



# A Compendium of Handwashing Facility Innovations in Ghana



# Compendium of Handwashing Facility Innovations in Ghana

Information on innovations

October 2021



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## FOREWORD

Handwashing with soap is one of the most effective ways of preventing infectious diseases including COVID-19. The Government of Ghana has been promoting handwashing with soap over the years through its agencies, such as the Community Water and Sanitation Agency (CWSA) and other collaborators. Handwashing behaviors of individuals are influenced by the availability of safe water, soap or cleansing agent and an appropriate handwashing device or facility.

The Ministry of Sanitation and Water Resources (MSWR) through its agencies and together with its development partners have been implementing projects to increase access to WASH services. In recent times, the Ministry in collaboration with the Ghana Enterprises Agency, UNICEF and other partners, -has been working with the private sector to increase access and affordability of cleansing agents and handwashing devices. In the midst of a global pandemic, Ghanaian innovators and private sector actors have risen to the challenge and developed several varieties of handwashing devices suitable for different users and contexts. This compendium has been compiled as a collaborative venture between the Community Water and Sanitation Agency (CWSA), an agency of the Ministry of Sanitation and Water Resources, the Ghana Enterprises Agency (GEA) and UNICEF.

The purpose of the compendium is to provide information about handwashing device innovations for the use of Water, Sanitation and Hygiene (WASH) practitioners and the general public. The compendium will serve as a reference and a promotional tool for the WASH and private sectors respectively.

We are grateful to UNICEF for the support in designing and printing this first edition of the Compendium of Handwashing Facility Innovations in Ghana. The compendium will be a living document and will be updated regularly.

We hereby reiterate the government's commitment to working with and supporting the private sector to promote handwashing amongst the entire populace of the country.

**Ministry of Sanitation and Water Resources**



## AKHOMA HANDWASH STATION

### INFORMATION ON AKHOMA INNOVATION

#### DESCRIPTION OF INNOVATOR / INNOVATION

##### Name of innovation

Akhoma Handwash Station

##### Name(s) of Inventor(s) /innovator(s)

Akhoma Grands Limited

##### Description of innovation

This hand wash unit was created to help reduce poor hand hygiene that could lead to the spread of the coronavirus and all other hygiene-related illnesses in this pandemic era.

##### Special features of the innovation

- This particular hand wash is made of aluminium pipes and alucobond cladding.
- Choosing alucobond, because it is made of aluminium and grinded plastic which comes in colours and can withstand any atmospheric weather condition without corroding. The aluminium pipes too the same.
- It only uses the foot to operate in order to reduce cross contamination.
- It is also light in weight.
- It is mobile with wheels under it.
- Branding it is easier and also can be rebranded with ease according to the occasion.

##### Target users / setting

Corporate institutions such as banks, corporations, organizations and hotels, however we are also open to manufacturing for individuals.

##### Picture(s) of innovation



##### Contact details of innovator(s)

Nathaniel Tetteh, Awudome estate, [info@akhoma.com](mailto:info@akhoma.com), 0244903748

##### Price range as at September 2021 (subject to change)

Gh¢3000.00



# APDO USER-FRIENDLY HANDWASHING FACILITY

## INFORMATION ON APDO INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

APDO User-friendly handwashing facility

#### Name(s) of Inventor(s) /innovator(s)

Afram Plains Development Organization (APDO)

#### Description of innovation

The hand washing facility is a modernize metal tippy tap adjustable for all ages serving the aged, adults and children.

The facility has two (2) stands made up of 1-inch galvanized round pipe, a 3/4 galvanized round pipe, 3/4 galvanized square pipe, a 1 mm plate, a 13 bolt and knot and other accessories such as 4-6 litter gallon, a nylon rope, and water hose. It is a 5 ft tippy-tap which can be reduced to as low as 2.5 ft to suit all users.

The facility uses the foot paddle made up of a 1mm metal plate tied up with a nylon robe and fixed to a 4-5 litres gallon to aid the flow of water for hand washing.

Our innovation is easy to construct and does not require heavy investment capital, cost effective and designed for the ordinary Ghanaian household. It improves the local economy since local artisans earn income from its fabrication. It's replicable and adjustable. Material cost is between Gh¢70-Gh¢100.00 depending on the location.

#### Special features of the innovation

These features include the following:

- It is adjustable from 2.5ft to 5ft for users
- It can be dismantled and assembled at any given time or place
- It has a multiple user feature which suits institutions (schools) and eatery joints
- Very cheap
- Light weight and easy to carry/transport.

#### Target users / setting

The facility is designed to target households, schools, restaurants (*chop-bars*) and public places

#### Picture(s) of innovation



#### Contact details of innovator(s)

Afram Plains Development Organisation,	0208864711
Post Office Box 443 Education Ridge	Kmodoc2002@yahoo.com
Tamale-Northern Region	Akanyani Beata Awinpoka (Programmes Director-NR)
A.Y.O Modoc (Executive Director)	0277336441
	Awinpoka85@yahoo.co.uk

#### Price range as at September 2021 (subject to change)

Gh¢ 100.00-Gh¢150.00

## INFORMATION ON OBAATANPA INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

**Obaatampa Hand Free Wash Station** – single unit

#### Name(s) of Inventor(s) /innovator(s)

JnC Services

Art 1987 Ventures.

#### Description of innovation

The pedal operated handwashing station helps in sanitizing hands without physically touching the water tap and soapy water or other liquid soap dispensers, thereby making it least potential for contamination at public and common places usage. The station is mechanically operated by foot.

The Left Pedal is for water outlet.

The Right Pedal is for soap dispenser.

**Gross weight of 11.50kg**

#### Special features of the innovation

- Its very easy to transport
- As foot operated, sanitizing hands without direct physical touch to any surface make it safe for usage at common places.
- Controlled by pedal power for which excess water use can be minimized.

#### Obaatampa single unit Features

- Single unit handwash station is mechanically operated by foot.
- Bucket, handwash basin, bucket for wastewater storage.
- It is user friendly to persons with disabilities and children.
- It reduces potential for contamination at public and shared places usage.

#### Target users / setting

Pregnant women, Elderly, Adults, Children.

#### Contact details of innovator(s)

JnC Services, P.O. Box KN 384, Kaneshie-Accra. +233249193099,  
Jncservices.ghana@gmail.com

#### Price range as of September 2021 (subject to change)

**Obaatampa** (single unit) Gh¢ 500.00



#### Picture(s) of innovation



## OBAATANPA HAND FREE WASH STATION



## PUREWASH

### INFORMATION ON PUREWASH INNOVATION

#### DESCRIPTION OF INNOVATOR / INNOVATION

##### Name of innovation

PUREWASH

##### Name(s) of Inventor(s) /innovator(s)

Michael Anyekase (PURE HOME WATER)

##### Description of innovation

This is a foot operated hand washing stand that was invented a year before COVID-19 hit the world.

##### Special features of the innovation

- It is designed with different sizes of water holding containers (40 litre, 60 litre, 100 litre 180 litre and 200 litre containers), and multi user friendly as it comes with single, double, triple and quadruple users. The foot operates soap, sanitizer and water dispensing.
- It is mechanical, with no electronic or solar power parts, which can fall apart any time and it can be maintained by any local artisan or welder.
- Components of our design are not hidden. Our vision is to share the technology with all to promote hygiene awareness and WASH coverage.

##### Target users / setting

Offices, Homes, schools, Health facilities, Restaurants/Eateries and public places.

##### Picture(s) of innovation



##### Contact details of innovator(s)

C/O P.O. Box TL 2261, Tamale, Taha Community (opposite Health Centre) Tel: 0244035000  
anyekase@gmail.com, jniquett@aol.com lydiasenanu@yahoo.com

##### Price range as at September 2021 (subject to change)

Gh¢250.00-Gh¢600.00

## INFORMATION ON TECKYTAP INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

Teckytap Foot Operated Range of Handwashing Devices

#### Name(s) of Inventor(s) /innovator(s)

Tsatsu Julius Kwami

#### Description of innovation

Teckytap is a Foot Operated Handwashing Device designed for children and adults in a scalable, replicable and sustainable system affordable to many. It is foot operated for both soap and water and comes as a single user and multiple(2-6) users. It is very robust and user friendly.

#### Special features of the innovation

- Teckytap is purely foot operated for both water and soap
- Teckytap can be used by single user or multiple users ( up to 6 users at the same time)
- Teckytap can be connected to household or institutional running tap for continuous refill, i.e you do not have to manually fill in the water as it is used.
- Teckytap has a user warranty of between 6 months and one year.
- Teckytap can be used indoors and outdoors and can be moved about easily
- Teckytap is very affordable

#### Target users / setting

- Schools, Churches, Homes, Offices, Restaurants, Factories, Events grounds.

#### Picture(s) of innovation



#### Contact details of innovator(s)

Nsakina near Amasaman, P. O. Box WY 2416, Kwabenya, Accra, info. [cafgh@gmail.com](mailto:cafgh@gmail.com)

0207689306 / 0244988201

#### Price range as at September 2021 (subject to change)

- Teckytap Regular - Gh¢700.00
- Teckytap Delux(single user with alucobod covering) - Gh¢1000.00
- Teckytap Jumbo (6 in 1 users) - Gh¢4,000.00

## TECKYTAP FOOT OPERATED RANGE OF HANDWASHING DEVICES





# THEOGYEI HAND WASHING DEVICE

## INFORMATION ON THEOGYEI INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

**Name of innovation**

Theogyei Hand washing device

**Name(s) of Inventor(s) /innovator(s)**

Theophilus Agyei

**Description of innovation**

Modernized hand washing device.

**Special features of the innovation**

- The device uses water sink.
- It has a unique outlet.
- It has Separate tap.
- Fixed in leg-stepped waste bin.
- It is Environmentally friendly.

**Target users / setting**

- Schools.
- Institutions.
- General public

**Picture(s) of innovation**



**Contact details of innovator(s)**

Nkoranza , Bono-East Region

Box 89, Nkoranza

0246706568/0201824937

Theophilusagyei64@gmail.com

**Price range as at September 2021 (subject to change)**

Gh¢700.00-Gh¢1,000.00

## INFORMATION ON ANGUA INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

Angua Handwash device

#### Name(s) of Inventor(s) /innovator(s)

Angua Ghana Ltd.

#### Description of innovation

A hand operated handwashing device with a wide base for stability.

#### Special features of the innovation

The facility has the following special features

- Wide base for stability
- Liquid soap & tissue holder
- Drainage pipe for wastewater

#### Target users / setting

- Homes
- Schools
- Hospitals
- Churches
- Markets, etc.

#### Picture(s) of innovation



#### Contact details of innovator(s)

anguagh@gmail.com

0207790331

Bolgatanga

## ANGUA HANDWASH DEVICE

## INFORMATION ON CLEAN DURAPLAST INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

CLEAN DURAPLAST WASH STATION (CD WASH STATION)

#### Name(s) of Inventor(s) /innovator(s)

DURAPLAST LIMITED.

#### Description of innovation

Cylindrically shaped with base drum that has two protruding points as receptive notch for top drum. Upper drum has a cover with tissue holder and fit with tap. It has handles for both drums, a slot for hand washing soap, hand washing basin attached to base drum, inlet and outlet slots fit with a removable plug on top drums and base drums for water direct supply of water and dislodging respectively. It comes in two sizes thus 40ltrs and 60ltrs and available in variety of colors as required by the customer.

#### Special features of the innovation

Made of plastic, very durable, economical, has a tissue holder, soap holder and slots for inlet and outlet connection.

#### Target users / setting

Households, banks and institutions

#### Picture(s) of innovation



#### Contact details of innovator(s)

Head office North industrial area, Accra P.O. BOX 7136,  
Accra – North. Email [info@duraplastghana.com](mailto:info@duraplastghana.com) website:[www.duraplastghana.com](http://www.duraplastghana.com)  
Tel +233-302225001 / 2223989 Mob.: +233-244-33 66 65

#### Price range as at September 2021 (subject to change)

40Ltrs - Gh¢253.00, 60Ltrs - Gh¢404.00

## CLEAN DURAPLAST WASH STATION



## POLY SAFE WASH

### INFORMATION ON POLY SAFE WASH INNOVATION

#### DESCRIPTION OF INNOVATOR / INNOVATION

##### Name of innovation

Poly Safe Wash

##### Date of innovation/manufacture

June, 2020

##### Name(s) of Inventor(s) /innovator(s)

Polytanks (Gh) Ltd.

##### Description of innovation

A 5-feet portable wash station that comes with a 200-litre water storage tank, hand basin, and a 60 litre waste disposal container on a holding metal stand. Averagely, the Poly Safe Wash station provides a minimum of 100 hand washes per every 200 litre water storage tank.

##### Special features of the innovation

The Poly Safe Wash is solely a foot-operated handwashing device that comes with all hygiene supplies in one place: soap dispenser, water and tissue compartments, which are necessities, required for proper hand washing.

##### Target users / setting

Suitable for a wide range of facilities and centers including but not limited to Transport Terminals, Educational Institution, Healthcare Centers, Shopping Centers, Religious Facilities, Event Centers, Grooming & Beauty Salons, Public institutions, Government Agencies, and other densely populated areas.

##### Picture(s) of innovation



##### Contact details of innovator(s)

Motorway Industrial Estate, Baatsona – Spintex  
 P. O. Box 5334, Accra – Ghana  
 polytanksales@polygroupgh.com  
 0302 811 576 / Toll Free: 0800 101 815  
 GT-042-0398

##### Price range as at September 2021 (subject to change)

Gh¢1,400.00

## INFORMATION ON SABAMULTI WASH INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

SabaMulti Wash

#### Name(s) of Inventor(s) /innovator(s)

Prof. Courage Kosi Setsoafia Saba.

#### Description of innovation

Foot-operated, multiple use hand washing device with one basin washing lowered for children's usage.

#### Special features of the innovation

Soap and water are dispensed by pressing a pedal. One basin has been lowered for children and there is a hose to carry wastewater to the nearest sewage system of a container to collect wastewater.

#### Target users / setting

All persons except the physically challenged without legs cannot use it.

#### Picture(s) of innovation



#### Contact details of innovator(s)

P. O. Box 1882, Tamale  
 courageousgh@gmail.com, csetsoafia@uds.edu.gh  
 0543446929

#### Price range as at September 2021 (subject to change)

Gh¢400.00-Gh¢2,000.00

## SABAMULTI WASH



## SANI-WISE HANDWASH STATIONS

### INFORMATION ON SANI-WISE INNOVATION

#### DESCRIPTION OF INNOVATOR / INNOVATION

##### Name of innovation

Sani-wise Handwash Stations

##### Name(s) of Inventor(s) /innovator(s)

Yaw Aduse Opoku and Isaac Asante Mireku.

##### Description of innovation

During the Ebola outbreak in West Africa, Sani-Wise Innovations designed a foot operated handwashing facility. They have continued to refine this during the COVID-19 pandemic, based on the following learning:

- the need to display educational and motivational inscriptions
- improving upon the effectiveness of the mechanisms, especially that of the soap
- making the devices affordable so that many people can afford them
- introducing a waste water outlet to prevent frequent discharge.

Bright colours are used to make the devices visible and attractive to users, especially first time users. The inscriptions are intended to educate and motivate people to wash their hands frequently to stay safe. For instance, “KEEP CALM” and “YOU’RE WELCOME” inscriptions intend to draw attention to the device and make it inviting to use.

Single-user versions of the facility are suitable for households, offices, hotels etc., whilst other versions are suitable for schools, markets, hospitals and other places where many people can have access at the same time, without compromising physical distancing.

##### Special features of the innovation

- First and foremost, the wash station is foot-operated, which means one does not need to use the hand to open and close the tap to have access to water.
- Secondly, the wash station provides customizable space for the display of information such as advertisements which organizations could take advantage of.
- Also, the wash station has attachments for soap and hand sanitizers.
- The prices are relatively moderate compared to other similar products.
- Lastly, the wash station does not depend on any power source to function, and so it could be used anywhere.

##### Target users / setting

Health centers, churches, schools, restaurants, offices, banks, households etc.

##### Picture(s) of innovation



##### Contact details of innovator(s)

asante.isaac@gmail.com, info.saniwise@gmail.com

Yaw Aduse Opoku +233248399895

Isaac Asante Mireku +233543684510

##### Price range as at September 2021 (subject to change)

Gh¢350.00-Gh¢500.00



## SOLAWASH

### INFORMATION ON SOLAWASH INNOVATION

#### DESCRIPTION OF INNOVATOR / INNOVATION

##### Name of innovation

Solawash

##### Name(s) of Inventor(s) /innovator(s)

Kwarteng Richard

##### Description of innovation

An automated hand washing machine powered by solar energy

##### Special features of the innovation

It is powered by solar making it easier to be used elsewhere, made with recycled barrel and has a technology that allows touchless use.

##### Target users / setting

Churches, schools, institutions and homes.

##### Picture(s) of innovation



GRAPHIC.COM.GH  
**GSA certifies solar automated hand washing machine**  
 The Ghana Standards Authority (GSA) has granted a product certifi...

##### Contact details of innovator(s)

P.O.BOX 17394, Kumasi  
 aningblaq@yahoo.com  
 0242979347

##### Price range as at September 2021 (subject to change)

Gh¢2500.00



# SUNSINK HAND WASHING MACHINE

## INFORMATION ON SUNSINK INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

**Name of innovation**

Sunsink Hand Washing Machine

**Name(s) of Inventor(s) /innovator(s)**

Mr. Kelvin Albert Apeku

**Description of innovation**

- 250 watts solar panels.
- Panel size (mm) 1670 x 990 x 45.
- Lithium batteries: 692.64WH, 2.6Ah, 18V (Which last longer than the traditional cell batteries) these batteries are designed specifically for this device so it controls theft,
- Galvanized steel: ( to control rust).
- Water pump: pumps up to 5 liters of water in a minute voltage.
- Current (Max) -4.5A.
- Wattage (Max) -54.
- PSI-100 (6.9bar).
- Automatic switching imbedded.
- Built in water Tank: For clean and waste water (30 liter capacity each).
- External pipes ( Ball valve): For bigger water bodies like poly tanks, boreholes, pipes and more.
- Infrared Tap and Soap sensor.
- LED 20 Watts solar light for night visibility.



**Special features of the innovation**

- It is a dual system which is both solar and electricity.
- it is a touchless machine, and the solar is environmental friendly.

**Target users / setting**

(The General Public) Such as Schools, Hospitals, Church, Organizations, Households, Individuals, Banks among others.

**Picture(s) of innovation**



**Contact details of innovator(s)**

0205381661 (Mr. Kelvin Albert Apeku), P.O.BOX 2663 Accra - Ghana

**Price range as at September 2021 (subject to change)**

Gh¢15,000.00



## INFORMATION ON APINKO BASIN INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

APINKO BASIN

#### Name(s) of Inventor(s) /innovator(s)

Enock Ofosu Mensah

#### Description of innovation

200 litter handwash facilities. Facilities operated by foot without solar or electric power.

#### Special features of the innovation

- Built to withstand all weather conditions in Africa, it has 2 paddles, 1 to open the Tap for the water to flow and the other to dispense the soap.
- A 200 litre capacity tank that can give at least 400 handwashes before refilling the water.

#### Target users / setting

School, market, hospital, lorry station areas with lots of people at the same time.

#### Picture(s) of innovation



#### Contact details of innovator(s)

0558325859

apinkobasin@gmail.com

#### Price range as at September 2021 (subject to change)

Gh¢1,500.00

## APINKO BASIN



## SMART-WASH HAND WASHING STATION

### INFORMATION ON SMART-WASH INNOVATION

#### DESCRIPTION OF INNOVATOR / INNOVATION

##### Name of innovation

SMART-WASH HAND WASHING STATION

##### Name(s) of Inventor(s) /innovator(s)

Kwabena Ofori-kuma Agyei & Samuel Aमेvor

##### Description of innovation

Foot operated Hand washing stations.

##### Special features of the innovation

- Hands free operation & Foot-operated.
- Carefully designed to avoid contamination during and after use.
- Product structure is made of galvanized steel materials and finished with high quality protective paint.
- Product structure is Sleek and robust.
- Product is adaptable to all situations and environments due to its portability and mobility.
- Product Does not use power or electricity hence can be used anywhere.
- Operation is enabled by a simple lever mechanism making it durable.

##### Target users / setting

Homes, offices, schools, churches clinics hospitals restaurants lavatories factories playing centers transport yards public places.

##### Picture(s) of innovation



##### Contact details of innovator(s)

Metal Masters Technology and construction Ltd

Madina Babayara

P.o. box 182Madina Accra

attakayofori@gmail.com

0244377069

##### Price range as at September 2021 (subject to change)

Single type Gh¢650.00 a piece, Double type Gh¢1300.00 a piece.



## FOOT OPERATED HANDWASH SYSTEMS

### INFORMATION ON FOOT OPERATED INNOVATION

#### DESCRIPTION OF INNOVATOR / INNOVATION

##### Name of innovation

Foot operated handwash systems

##### Name(s) of Inventor(s) /innovator(s)

Emmanuel Andoh & Alex Nyinaku

##### Description of innovation

Foot operated system for water and liquid soap.

##### Special features of the innovation

- Easily accessible
- Cost effective
- Easy to transport in smaller vehicles
- Cheaper maintenance cost

##### Target users / setting

Schools, churches, institutions, banks, etc

##### Picture(s) of innovation



##### Contact details of innovator(s)

Emmanuel Andoh, Sowutuon – 024414358, Alex Nyimaku, Nyamekye - 02034084205

##### Price range as at September 2021 (subject to change)

40ltr – Gh¢ 600.00

80ltr - Gh¢ 800.00

80 ltr has a double stand.

## INFORMATION ON FOOT PUMP HAND-WASH INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

Foot Pump Hand-Wash station

#### Name(s) of Inventor(s) /innovator(s)

Eric Kwaku Gyimah

#### Description of innovation

Foot pump hand wash station, is a mechanical unit which has the ability to suck water from a water tank or water gallon through water tubes, to a tap and into a basin. Pressing the wooden Foot Paddle with a primer bulb installed only, should supply enough water for hand washing without the need to touch anything to get water running or stop water from running.

#### Special features of the innovation

- The Main Component of this mechanism is the primer bulb. The primer bulb on engines is a small plastic piece that, when pressed down, draws fuel from the fuel reservoir and into the carburetor. In order to be able to draw water from a lower level (gallon) to a higher level (tap) without the use of water pump, a primer bulb is installed to connect the gallon containing clean water to the tap which is above the gallon level. To avoid the use of hands during handwashing, the primer bulb is placed at foot level to allow user press the primer bulb with foot to draw water. A wooden foot paddle is built over the primer bulb to allow easy use. A tennis ball is fixed firmly between the wooden paddle and primer bulb to avoid the wood paddle from damaging the primer bulb.
- Mechanism have been designed to fit into an all wooden mobile cabinet. With Heated Treated wood or laminated plywood or both, close door hinges and lock are installed during the manufacturing process for increased durability and more secure fit.
- Sleek and stylish cabinet to fit your indoor and outdoor lifestyle comfortably. Our Foot Pump Hand Wash Station is lightweight and mobile- just carry it out to where needed. Handleless tap connected to an easy to operate foot paddle to make sure you have enough water running for safe hand wash. A wide counter space makes for a truly self-contained portable hand wash station.

#### Target users / setting

Schools, offices, hospitals, public places, etc.

#### Picture(s) of innovation

#### Contact details of innovator(s)

Ogbojo- St-Peters., P.O.Box MD 1451 Madina,  
iwoodzcreation@gmail.com, 0200997333

#### Price range as at September 2021 (subject to change)

Gh¢1000.00-Gh¢1200.00



## FOOT PUMP HAND-WASH STATION

## INFORMATION ON JUSTDU INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

JUSTDU HAND WASHING STATION

#### Name(s) of Inventor(s) /innovator(s)

JUSTICE ADU

#### Description of innovation

This is an innovation of the conventional hand washing stations. It is a contactless system which dispenses liquid soap and the flow of water automatically. It provides a user-friendly service for all, including the physically challenged, such those in wheelchairs as they don't need to apply any force for its operation.

There are single and multiple users that avoids queuing and congestion especially at event grounds/centers

#### Special features of the innovation

- Sensor faucet, water pump, automatic liquid soap dispenser, tissue paper holder and drainage system.
- One of the models has a built-in waste/tissue bin.

#### Target users / setting

Households, corporate bodies, banks, churches, schools, lorry stations, stadiums, malls, event centres.

#### Picture(s) of innovation



#### Contact details of innovator(s)

JUSTDU VENTURES,

P.O. BOX CS9107, TEMA

0274421398, Info.justdu@yahoo.com

#### Price range as at September 2021 (subject to change)

For sale: Gh¢2,500.00, For Rent: Gh¢500.00 per day

## JUSTDU HAND WASHING STATION

## INFORMATION ON RWDP-GH HANDWASH STATION 1 INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

RWDP-GH Handwash station 1

#### Name(s) of Inventor(s) /innovator(s)

RURAL WATER DEVELOPMENT PROGRAMME GHANA (RWDP-GH)

#### Description of innovation

Foot/hand operated and user friendly.

#### Special features of the innovation

- Easy To Refill
- Disability Friendly
- Potable And Easy To Transport
- One Side Is Foot Operated And The Otherside Is With The Hand
- Cost Effective

#### Target users / setting

Schools, health facilities, lorry/bus stations, rural/urban communities and households.

#### Picture(s) of innovation



#### Contact details of innovator(s)

YENDI OR ASHIAMAN OFFICES  
P. O. BOX CE 11897  
TEMA  
GHANA  
cocrwdp@yahoo.com, natjnr@yahoo.com,

#### Price range as at September 2021 (subject to change)

Gh¢270.00

## RWDP-GH HANDWASH STATION 1

## INFORMATION ON RWDP-GH HANDWASH STATION 2 INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

RWDP-GH Handwash station 2

#### Name(s) of Inventor(s) /innovator(s)

Rural Water Development Programme Ghana (RWDP-GH)

#### Description of innovation

Foot operated and user friendly.

#### Special features of the innovation

- Easy to refill
- Potable and easy to transport
- Cost effective
- Durable

#### Target users / setting

Schools, health facilities, lorry/bus stations, rural/urban communities and households.

#### Picture(s) of innovation



#### Contact details of innovator(s)

YENDI OR ASHIAMAN OFFICES

P. O. BOX CE 11897

TEMA

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cocrwdp@yahoo.com, natjnr@yahoo.com,

#### Price range as at September 2021 (subject to change)

Gh¢400.00

## RWDP-GH HANDWASH STATION 2

## INFORMATION ON RWDP-GH HANDWASH STATION 3 INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

RWDP-GH Handwash station 3

#### Name(s) of Inventor(s) /innovator(s)

Rural Water Development Programme Ghana (RWDP-GH)

#### Description of innovation

Foot/hand operated and user friendly.

#### Special features of the innovation

- Easy to refill
- Mounted on wheels and easy to move around
- Potable and easy to transport
- Foot operated
- Cost effective
- Durable

#### Target users / setting

Schools, health facilities, lorry/bus stations, rural/urban communities and households

#### Picture(s) of innovation



#### Contact details of innovator(s)

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#### Price range as at September 2021 (subject to change)

Gh¢350.00

## RWDP-GH HANDWASH STATION 3





## TIASO WASH

### INFORMATION ON TIASO WASH INNOVATION

#### DESCRIPTION OF INNOVATOR / INNOVATION

##### Name of innovation

Tiaso wash

##### Name(s) of Inventor(s) /innovator(s)

Patrick Ofori Atta Agyei

##### Description of innovation

- System has a tissue rack.
- It has a 1litre soap reservoir.
- It has a 50litres water reservoir.
- It has a soap pedal for soap access.
- It has a water pedal for water access.
- It comes with foot pedal waste bin.

##### Special features of the innovation

- All materials used for construction are locally sourced to enhance sustainability.
- All parts are removable for replacement.
- It is a knockdown design.
- It is robust.

##### Target users / setting

Everywhere handwashing is needed such as hospitals, schools, churches, public toilets, our various homes.

##### Picture(s) of innovation



##### Contact details of innovator(s)

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##### Price range as at September 2021 (subject to change)

Gh¢600.00-Gh¢700.00

## INFORMATION ON MECHANISED HANDWASHING INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

Mechanised Handwashing Machine

#### Name(s) of Inventor(s) /innovator(s)

Ing. Tarlutu Ibrahim

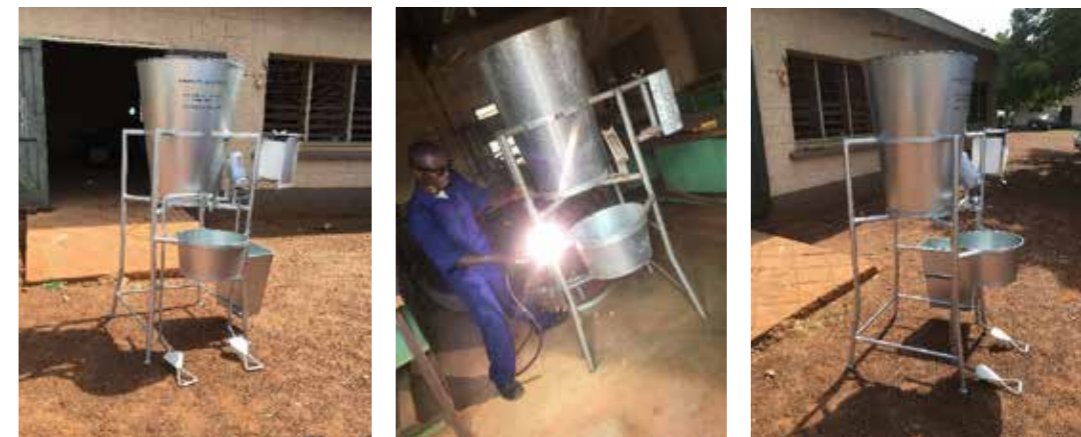
#### Description of innovation

No sensor. The system is 120 liters capacity with readily available materials (galvanized steel with a special silver-plating solution) very simple, affordable, ease to use, ease to maintain etc. For the tap regulation, the first batch was manufactured using 3 springs and 2 connecting rods. The springs inside helps the system to turn clockwise and anti-clockwise. The other spring in front is used to regulate the flow of water in the 120 liters capacity container, which interns to make the flow very economical. The soap dispenser system has only one spring and a connecting rod with screw adjustable system to make the flow economical.

#### Target users / setting

Anyone, organization and institutions who are very concerned about hand hygiene.

#### Picture(s) of innovation



#### Contact details of innovator(s)

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#### Price range as at September 2021 (subject to change)

Gh¢1,500.00

## MECHANISED HANDWASHING MACHINE

## INFORMATION ON ECOSAFE INNOVATION

### DESCRIPTION OF INNOVATOR / INNOVATION

#### Name of innovation

Ecosafe Hand Washing Machine

#### Name(s) of Inventor(s) /innovator(s)

Cephas Ababio and GHAFUP

#### Description of innovation

This machine is operated by foot. The pedal operated handwashing station helps in sanitizing hands without physically touching the tap and soapy water or other liquid soap dispensers, thereby making it least potential for contamination at public and common places.

#### Special features of the innovation

- It has an inbuilt dustbin for the used tissue (no extra bin).
- It has compartment for the tissue (small or larger) to protect from rain.
- It also has foot pedals for both soap and water.

#### Target users / setting

Household and Institutions.

#### Picture(s) of innovation



#### Contact details of innovator(s)

Tel:0240296010

Email: cephaskwas2016@gmail.com

#### Price range as at September 2021 (subject to change)

Gh¢800.00

## ECOSAFE HAND WASHING MACHINE



*For truly clean hands, always wash with soap.*

