



SWISS WATERAID PUMPING WATER TO DRY AREAS

pepopu.swiss

We are a non-profit organisation and have been involved in the development of irrigation pumps for several years.

Thanks to donations from families, individuals, church organizations and companies, we are able to assist in the implementation of projects and in the maintenance of existing facilities.



SWISS CITIZENS HELPING SMALL FARMERS IN ARID ZONES WITH IRRIGATION PUMPS

What do we offer?

People Powered Pumps, with its motto 'help for self-help', offers the following services:

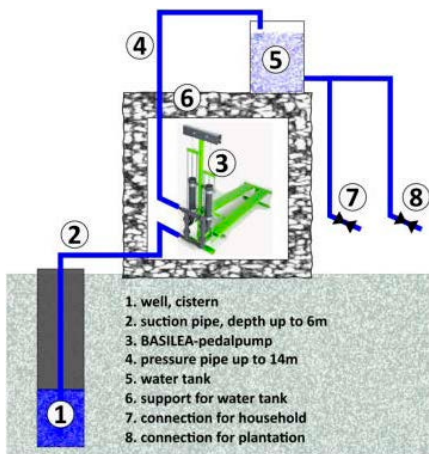
- Detailed technical information
- Sample pumps for field tests
- Start-up assistance and fundraising
- Consulting and instruction in Switzerland
- Consulting and instruction on site
- Follow-up
- Consulting regarding irrigation methods



System

The System consists of the BASILEA-pedalpump that sucks the water from the well and brings it to the water tank on top of a roof or support construction. From there it runs by gravity to household consumption or irrigation points.

The continues flow of the BASILEA-pedalpump and the pressure at its outlet, allows to irrigate the plantations directly. With a tank as storage for the water, irrigation by drip systems is as well possible.





BASILEA-pedal pump suction and pressure pump

Description:

Pump operated by human force
(pedal movement)

Frame made of steel, Hydraulic made of PVC

Tecnical data:

Suction height 6 m

Pressure height 14 m

Flow rate ca. 45 l/min

Weight ca. 27 kg



BASILEA-hand pump suction and pressure pump

Description:

Pump made of PVC operated by
human force (hand pump)

Tecnical data:

Suction height 6 m

Pressure height 10 m

Flow rate ca. 15 l/min

Weight ca. 3 kg

The pedal pump is energy saving, because the movement corresponds to walking on the spot. It can be operated by light persons too and due to the two pistons, the water flow is continues. This pump serves to irrigate bigger areas.

The hand pump serves for small plantations and due to its weight of about 3 kg, it can easily be transported.

As the hydraulic parts are made of PVC, there is no danger of corrosion and wear parts can easily be changed.

In 2020 we started the development of a pedal pump for deep well. The tests were positive and we hope to offer it in the near future.



Salvation Army Projects

Salvation Army

The BASILEA-pedalpumps are manufactured by residents of a hostel of the Salvation Army in a day structure program. Under the guidance of a work instructor, the workmen produce the pumps from scratch, using standard materials.

The social project has a dual benefit: Men in a difficult life situation can pursue meaningful activity.

Disadvantaged people in developing countries benefit from the pedal pumps.

The cooperation with the Salvation Army enables PEPOPU to deliver sample pumps to different countries to show the usefulness, check out the local demand and the possibility to produce locally.

Pumps have already been sent to: Senegal, Mozambique, Burundi, Bolivia, Benin, Djibouti, Haiti, Peru, Chad, Uganda, Mali, Madagascar.

Project Djibouti

Currently 40 BASILEA-pedalpumps are manufactured at the workshop, which will be delivered to Djibouti in 2021.

For several years the local staff of the NGO «ReachAcross» trains former nomads in irrigation with pedalpumps to increase agricultural production. PEPOPU ensures continuation of this ongoing process by sending BASILEA pumps to Djibouti.



BASILEA pumps at stock



Pumps packed and prepared on palets, waiting for shipping

Activities

PEPOU has been active in Senegal for a long time. Swiss manufactured pumps are used as well as locally produced ones.

Cooperation with local organisations

From the Campement Nanaay in Palmarin, our local partner, the promotion, sale and rental of the pumps is carried out.

Our partners guarantee the maintenance of the pumps and our experts support them with regular visits, getting feedback to improve the quality of the pumps.



BASILEA-pedalpump in operation



Victorine Ndjira, the owner of Campement Nanaay and her team with experts from PEPOU



BASILEA-pedalpump and well



Setting up a workshop

Activities

In the last years a member of PEPOPU was several month in Mozambique to introduce and build the BASILEA-Pedalpump, as well as fixing broken pumps of other manufacturers. A dozen of our pumps were installed in various provinces of the country and half a dozen pumps of other manufacturers have been fixed.

Cooperation with local organisations

With the support of the project Horti-Sempre, provided by swisscontact in Nampula, we introduced the BASILEA-pedalpump and BASILEA-handpump in different communities and signed a convention to produce the pumps at the technical college in Nampula.



Swisscontact and PEPOPU demonstrating the pump to local farmers



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How to support us

With a donation you can help us to improve the living condition of people in developing countries. We are grateful for small or large contributions to the following account:

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