

A man with a prosthetic left leg is smiling and waving with both hands. He is wearing an orange t-shirt, yellow shorts, a white headband, and white sneakers with blue accents. He stands in a grassy field with green bushes and trees in the background under a blue sky with white clouds. A thick white curved line is positioned at the bottom of the image, separating the main content from the footer text.

# circleleg

Holistic  
prosthetic  
care

2023

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**Nairobi, Kenya**

## **WHO WE ARE**

Circleg stands for a new narrative around prosthetic care that enables accessible, high-quality and empowering solutions for amputees. We are a Swiss-East African social enterprise that looks beyond the mere provision of prosthetics and is driven by social and environmental impact.

## **WHAT WE DO**

We respond to the urgent need for functional quality prosthetics in East Africa and worldwide. There are an estimated 65 million people living with limb amputations globally, with 1.5 million added each year. A large part of this demand for prosthetics is left unmet, due to the unaffordability of prosthetics, challenging imports and overall supply shortage. By 2050, this global need for prosthetic devices is expected to double. With Circleg we are creating a holistic solution for user centered-prosthetic care. We provide quality functional prosthetics and enabling services at affordable prices to underserved markets. We focus on the users, local production and environmental sustainability. This holistic approach is what sets us apart and has the potential to bring about great positive local change.

## PROVIDING HIGH QUALITY PROSTHETIC CARE - THE CIRCLEG SYSTEM

The Circleg prosthetic is a modular, functional and aesthetic prosthetic leg for above- and below-knee amputees. Prosthetists and amputees are actively involved in the design process in order to meet the user's needs. The Circleg will be fitted and aligned following the standards by the International Society for Prosthetics and Orthotics (ISPO).

### CIRCLEG BENEFITS



**Easy and fast fit**



**Made close to beneficiaries**



**No additional tools needed**



**Training for prosthetists**

standard adapters

polycentric knee

lightweight cover

protective sock

dynamic foot



COMPONENTS



EU MDR ISO 10328  
CE certified

**circleg polycentric knee**

weight capacity      100 kg

+ high stability    + protection cap

+ swing control



EU MDR ISO 10328  
CE certified

**circleg dynamic foot**

weight capacity      cat S/M/L      60/80/100kg

size range            21-30cm

+ energy return      + innovative cover design

+ customizable size

# CUSTOMIZATION



**easy customization**  
the cover can be cus-  
tomized to individual  
preferences

**effortless cover system**  
drastically reducing the  
working time for the  
prosthetic cover



Part of the holistic prosthetic care of Circleg is the provision of the Circleg Training Program for P&O specialists. The program is coordinated by the East African Hub and co-developed with the Swiss HQ and other stakeholders. It enables P&O specialists to adopt and promote the Circleg technology with the goals of:

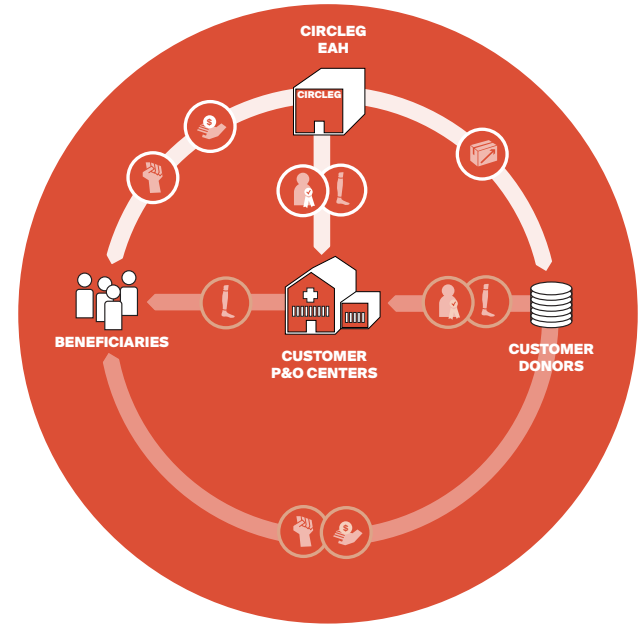
- Appropriately fit, repair and maintain the Circleg prosthetic, ensuring comfort and durability
- Provide high quality prosthetic care with existing infrastructure and limited resources
- Provide amputees with holistic care, beyond the mere provision of a prosthetic component






The Training program will result in the certification of selected P&O specialists and institutions in East Africa. We will expand the outreach of our training by opening up the training program to a wider audience in the future. At the same time we are keen to collaborate with training schools in East Africa to integrate the Circleg prosthesis into the academic curriculum.



## CREATING A SUSTAINABLE MODEL LOCALLY – THE CIRCLEG HUBS

We will produce and develop our system close to our users, in our Regional Hubs. The Circleg East African Hub in Nairobi, Kenya, will be the first, responsible for on-site production, assembly and distribution of the Circleg prosthetic system in the region. Circleg focuses on a B2B business model, distributing the Circleg systems directly to centers for Prosthetics & Orthotics and distributors. The prosthesis is accompanied by enabling services such as training programs for P&O specialists and empowerment programs for amputees. The East African Hub will enable responsive ordering options for our customers, dramatically decreasing current waiting times and costs related to orders from overseas suppliers.



-  Empowerment programs
-  Accessibility mechanisms
-  Circleg prosthesis
-  Training & certification of prosthetists
-  Freedom of mobility packages

## ENABLING BROADER ACCESSIBILITY – *THE CIRCLEG SYSTEM*

We are developing projects and campaigns to empower amputees and decrease the stigma around amputation. The aim is to enable them to live fulfilled lives as active members of society, aware of the resources available to them to simplify their everyday lives. This includes projects and programs targeted at the provision of essential information to beneficiaries, the promotion of capacity building in psycho-social rehabilitation as well as the implementation of empowerment campaigns. In addition we are developing mechanisms to increase accessibility for prosthetic care. In partnership with key organizations we aim to create solutions such as the provision of micro-loans to amputees in need or subsidies for prosthetic access.



**Empowering  
Amputees**



**Tackling  
Accessibility**





## IMPACT

Cirleg addresses the global demand for affordable, high-quality prosthetics holistically with special focus on economic, social, environmental and governance outcomes. We believe in sustainable resource management as key to success and an engine for innovation and growth. Through our operations we support the achievement of the UN Sustainable Development Goals. Cirleg positively contributes to the SDGs 1,3,8,9,10 and 12 with a core emphasis on freedom of mobility for disability inclusive development.





«With the Circleg I feel very confident while walking».

Sam

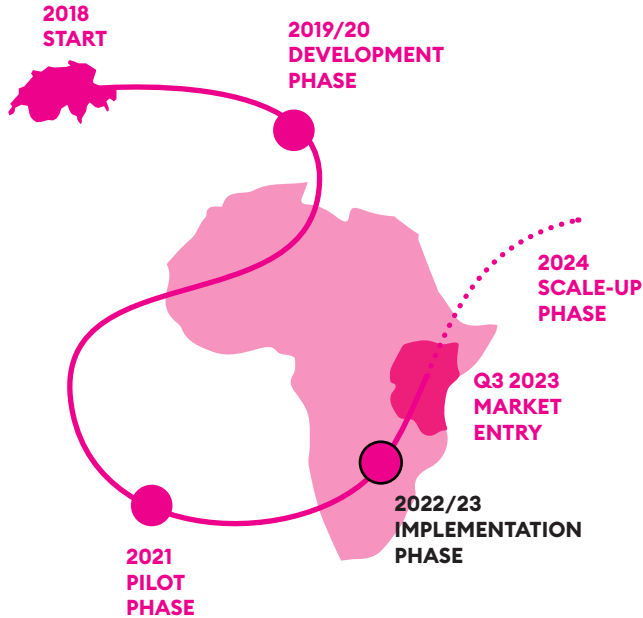


«The Circleg is so much lighter than my current prosthesis.»

Mario

## ROADMAP

Circleg is currently entering the Implementation Phase on the roadmap to the Circleg East African Hub. We will start providing the Circleg prosthetics in the second half of 2023 in the East African region. Contact us for detailed product information and pre-orders.



**Winner of the Design Prize  
Switzerland 2021**



**No Waste Challenge 2021**  
Nominated from 1409 submitted  
entries



**Winner of the Cybathlon 2020**  
Proving a purely mechanical proas-  
thesis able to outperform high tech  
solutions



**Together we are better Award 2019**  
Winner of the Start Up Prize by DEZA  
and SECO



**James Dyson Award 2018**  
Switzerland's Winner of the James  
Dyson Award 2018

## ACHIEVEMENTS

## TEAM CIRCLEG

Circleg's team is composed of 12 dynamic and performance oriented professionals, drawing on diverse backgrounds in planet-centric industrial design, biomechanical engineering, impact finance, supply chain, operations and communication and media. This unique mosaic of complementary skills and characters is the optimal composition to bring Circleg's vision forward. Our core team is also being supported by a key network of prosthetists and amputees from Switzerland and East Africa and research institutions, who are actively participating in the development of the Circleg prosthetic system. In addition, we are also supported by an advisory board of senior professionals, for issues relating to business strategy, product development and legal matters.



*top row left to right:*  
**Fabian Engel**  
product & finance  
**Shammah Wema**  
business development  
**Laura Magni**  
regulatory & business  
**Max Calabrò**  
product development

*middle row left to right:*  
**Angela Kongere**  
business development  
**Simon Oswald**  
business &  
communication  
**Evelyne Mwenda**  
operations  
**Daniel Vafi**  
product & supply chain

*bottom row left to right:*  
**James Mbugua**  
supply chain  
**Céline Tritten**  
operations & HR  
**Kevin Ismael**  
communication  
**Nicole Colemenares**  
**Pulido**  
business & finance

FONDATION  
PRO VICTIMIS  
GENÈVE

BRIDGE

WISSENSCHAFT.  
BEWEGEN  
GEBERT RUF STIFTUNG

prohelvetia

Ikea Foundation  
Switzerland

