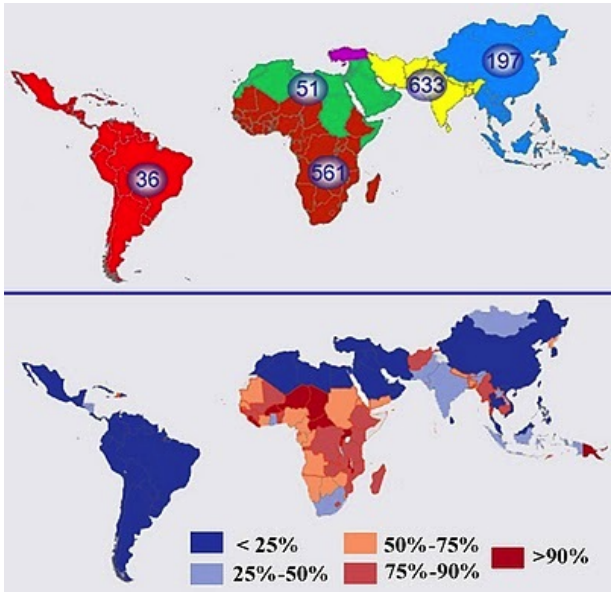
Energy Access Worldwide

Currently, an estimated 1.5 billion people live without electricity in less or least developed countries, 85 per cent of them in rural areas. After sunset people depend on candles and kerosene lamps.



Number (Millions) and % of People without Electricity, 2008 - Source: WHO & UNDP

Get involved today!

You don't have to be an engineer or hydropower specialist. There are several ways to get involved and support us. For further information send an email to info@picocrossflow.com.

Pico Cross Flow is a project of Global Anchor e.V., a non-profit organization, based in the black forest, Germany.

globalanchor.org
open source hydro power

Global Anchor develops and promotes open source hydro power solutions for remote area electrification.

Contact Information

Global Anchor e.V. // Pico Cross Flow

Salzstrasse 6
79822 Titisee-Neustadt
Germany

Landline: +49 30 60 98 68 56
E-Mail: info@picocrossflow.com
http://www.picocrossflow.com

Bank Account Information

Global Anchor e.V.

IBAN Account Number:
DE67 6805 1004 0004 5506 46
BIC-/SWIFT-Code: SOLADES1HSW
Institute: Sparkasse-Hochschwarzwald
Germany

PICO CROSS FLOW

A Open Source licensed Cross Flow Hydro Turbine

For more information please visit our website www.picocrossflow.com

Key Features

The Pico Cross Flow is designed to fill the need of people with no access to electricity. It comes fully loaded with the documentation to build, run and maintain the whole hydroelectric scheme.

Safe and Robust Design: We systematically simplified the design for long term operation and local manufacturing.

High Performance: We designed it for high efficiency at a broad application range.

Easy Fabrication: We designed it for manufacturing with very little machinery.

Low Cost: Only local labor and little material costs are needed. Therefore the overall costs are only a fraction of comparable manufacturer costs.

Open Source License: We freely publish the design, drawings, fabrication- implementation- and operation manuals.

We want to provide robust, low-maintenance, low-cost, efficient, highly-capable and safe machines that will increase the proliferation of hydroelectricity and make a significant contribution to remote area electrification in an environmentally sustainable way.

Instead of supporting costly kilometer long grid extension Pico Cross Flow takes the absence of infrastructure as an opportunity to develop decentralized energy supply.

Social and Environmental Impact

If successful not only would Pico Cross Flow replace diesel generators and have a positive impact on greenhouse gas emission but it would also have a positive impact on the lives of many people by setting free large amounts of human time and labor . We believe that a hydroelectric scheme supports to attain decent quality of life through access to electricity.

What is Open Source?

Open source hardware is hardware whose design is made publicly available so that anyone can study, modify, distribute, make, and sell the design or hardware based on that design. The hardware's source, the design from which it is made, is available for making modifications to it. Open source hardware gives people the freedom to control their technology while sharing knowledge and encouraging commerce through the open exchange of designs.

open source hardware

Mission Statement

Our Mission is to develop pico hydropower turbines, make our knowledge accessible, and encourage people to use this knowledge. By doing so, we hope to simplify the creation and sharing of pico hydropower solutions to satisfy energy needs, bring light to remote areas and thereby support rural, decentralized, environmentally friendly and sustainable energy transformation.