MYHYDRO
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Through a game-changing collaboration between two US companies - Symbion Power and Natel Energy - MyHydro provides a low-cost, mini-grid power solution that combines proven engineering with new American technology.

- A new generation of modular, fish-friendly, low-head, hydro turbines
- Low-cost electricity delivered direct to consumer by MyHydro
- Consumer-friendly tariff structures
- Available for residential, commercial, and industrial applications
- Uninterrupted AC Power, not DC
- 24/7 electricity supply and no batteries
- Simple, low-cost civil works
- Consumer payment system via cash payment or mobile money (where available)

## BRINGING THE LATEST GENERATION OF TURBINE TO AFRICA'S RURAL COMMUNITIES.

MyHydro aims to deploy a minimum of 150 installations of low-head, distributed mini-hydro generation capacity and associated mini-grids in Africa by 2025, serving approximately 1.5 million people.

Recent innovations in proven turbine design has unlocked the full potential of Africa's vast network of waterways. MyHydro captures the flow of rivers with a head of between 2 and 10 meters converting water energy into base-load power in underserved rural communities. In partnership with Natel Energy, we produce the world's most fish friendly, low-head turbines that function in this range.

## THE ABSENCE OF RELIABLE AND AFFORDABLE ELECTRICITY TO 600 MILLION PEOPLE LIMITS THE DEVELOPMENT OF THE AFRICAN CONTINENT.

The lack of sufficient generation capacity, transmission systems to deliver power and inadequate rural distribution has given rise to new, but expensive off-grid Solar combined with diesel generators and batteries for backup. A plethora of Pico Solar Home Systems (PSHS) have provided a leap-frog from kerosene and NiCad powered torches/lanterns to electric light, radios and TV's, but they have only limited development potential.

The MyHydro solution provides significant savings to civil works costs compared to conventional mini-hydro power plants. Natel's turbines have a low risk of cavitation, allowing the machines to be installed out of (above) the tailwater. Very low exit velocity from the turbine blades also allows for compact (short) draft tubes. Producing between 100 kW and 1500 kW, the turbines can be installed using local labor and locally available materials.

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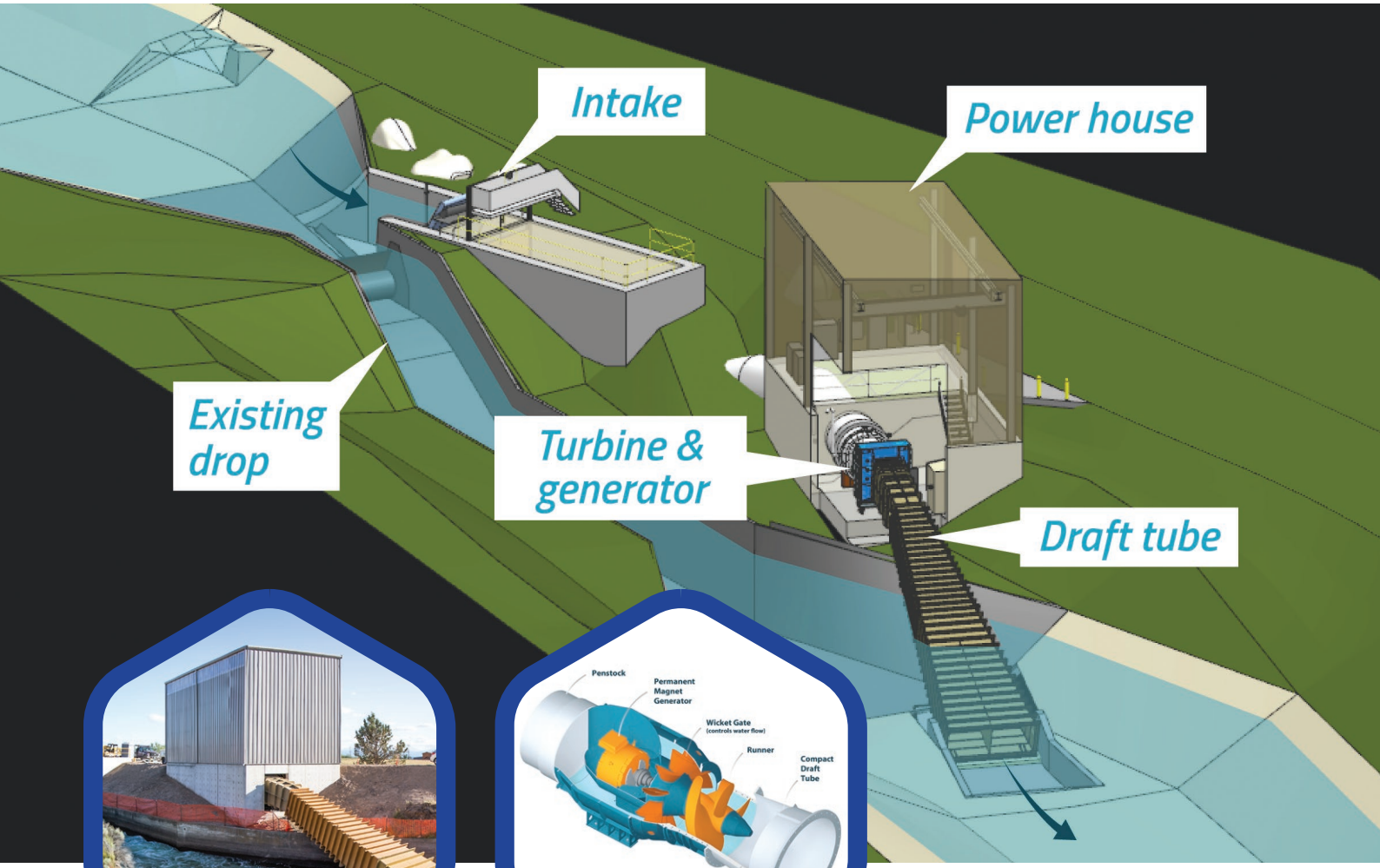







## MYHYDRO IS COMMITTED TO THE IDEAL THAT OUR SUCCESS IS CONTINGENT ON THE SUCCESS OF THE COMMUNITIES THAT WE SERVE.

**Benefits of the MyHydro model include:**

- Less dependency on expensive, and harmful fuels like diesel and kerosene;
- Increased productivity of agricultural operations through powered storage solutions;
- Improved community security as a result of outdoor lighting and greater visibility;
- Reduced deforestation and environmental degradation due to reduced use of biomass;
- Increased connectivity through mobile charging and the possibility for WiFi networks;
- Community development through vocational training that empowers new business programming such as electric sewing, carpentry, welding, and an introduction to basic information technology.

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