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Pumping Water Uphill to Change Lives in Waterless Communities Worldwide (bélier hydraulique)

Structure : Alternative Indigenous Development Foundation, Inc (AIDFI)

Philippines

A complete end-to-end solution crosscutting several SDGs through a holistic approach

The AIDFI Ram Pump is a perfected model of a forgotten technology: the Hydraulic Ram Pump. A Ram is a device which utilizes the energy contained in falling water (hydro power) to lift a portion of this water to high elevations 24/7 meaning it does not need any fuel or electricity to

operate the pump. Every day our ram pumps bring water to over 295,000 people who previously had no access to it.

We install the AIDFI ram pump in an end-to-end solution through a holistic approach: Social preparation of the community (organizing, registration, and training), facilitation of legalities, delivery and hauling, installation with community engagement, training of local technicians, conveyance, and continuous monitoring through the AIDFI monitoring app.

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In 2019, AIDFI started the development of another innovation as part of the ram pump program “ the AIDFI Mechanical Water Kiosk” which replaces communal faucets and the complicated collection system and unfair distribution to a more efficient, fair, and easy collection system. The water kiosk allows users to get 20 liters on a one-peso coin or token through a gumball mechanism which releases the water mechanically through a three-compartment system that work simultaneously together. The water kiosk can be used for the ram pump water system or any other water system in rural or urban setting.

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So far, we have done more than 595 ram pump water system installations in the Philippines and have done complete technology transfer to Afghanistan, Nepal, Colombia, and Mexico.

AIDFI : The Alternative Indigenous Development Foundation, Inc., or AIDFI in brevity, was the brainchild of four (4) persons who rose from the ranks of the National Federation of sugar workers (NFSW), a labor organization that focuses on organizing and educating the sugar workers. It was in the heap of the sugar industry downfall and crisis in Negros.

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The union went from a farm lot program into the new land reform program and considering its nature of organizing and educating, this program became too big for the union. The four persons wanted to focus on providing basic services to agrarian reform communities through appropriate technologies and agricultural services and therefore started AIDFI as a Non-Government Organization (NGO). AIDFI was established and registered as a NGO on July 4, 1992 with registration no. ENO92000214 at the Security and Exchange Commission (SEC).

Liens

https://www.aidfi.org/our-work

https://youtu.be/hGqBn-ZNG0k%20