

Providing the Help: Project DAGAT benefits small island community in Iloilo



Small islands around the Philippines lack electricity and resources. ^{In Iloilo,} Project DAGAT (Driving Advancement, and transforming small island communities), benefits the island communities.

According to Department of Science and Technology (DOST) Western Visayas, regional director, Engineer Rowen Gelonga, Barangay Botlog is part of their bigger projects, where they have selected three island communities in the region.

Project DAGAT's purpose is to provide technical interventions to address their preparedness in disaster resiliency. For every island community they pilot different technologies.

In Barangay Botlog, they have piloted the vertical axis wind turbine. They harness the wind energy to provide electricity to the community. — Engineer Rowen Gelonga.

Moreover, Vertical Axis Wind Turbine (VAWT) serves the community by providing electricity to lighting and charging system enhancing local dependence and contributing to community resilience.

Their target is to provide street lights along the shoreline and power at the barangay hall which residents could charge their gadgets and small appliances.

However, if the technical specifications and performance and power are stable, the possible uses of the electricity that they generate may expand. For now the capacity is one kilowatt sufficient to light up around 200 light bulbs. Based on the data they generate from Botlog, they will continue to develop the turbines.

An automated weather station was installed, residents were taught weather parameters and disaster risk-reduction. Marisol on the other hand focused more on disaster resiliency. Residents were trained on evacuation maps, first aid, and other necessary skills.

Project DAGAT: A Technological Hero

In today's world, technology became important to our everyday living such as researching lessons and providing entertainment, but what if it had a different approach?

Project 'DAGAT' or known as (Driving Advancement, Generating Access, and Transforming Small Island Communities) of the Department of Science and Technology, had chose a small island community in Iloilo as a recipient of a vertical axis wind turbine system (VAWT).

Engineer Rowen Gelonga, the DOST Western Visayas Regional Director, was in a phone interview on Wednesday, saying that the initiative in Baranday Botlog is part of their bigger project where they selected three island communities in the region as recipients.

The project is in the collaboration with DOST, Central Philippine University, and the Northern Iloilo State University, which was also funded by the Department of Economy, Planning and Development under its Innovation Grant.

As Gelonga said that the community needed an additional source of electricity, VAWT served the island by providing electricity to the lightning and charging system, enhancing local energy dependence and contributing to community resilience.

He said that the target was to provide streetlights along the shoreline and power at the barangay hall where residents can charge their gadgets and other electrical appliances.

The project was unveiled in a ceremony in the island barangay on Dec 19. The project had auxiliary solar panels, which they can use during the daytime when the wind is weak.

Technology isn't just a source of entertainment or a bunch of screens, it can also provide necessary things that benefits small things.

Big Project, Huge Progress

Are we gonna seek for progress, or just let our community get bad?

From a small island community which is hidden, it is very important to seek for progress for your community to create a much better one. Small communities need to get attention from the government so that their community would be much more better.

From the flashing news delivered by the Department of Science and Technology (DOST), an island community in conception town in Iloilo was a recipient of a vertical axis wind turbine (VAWT) system under the project DAGAT (Driving Advancement, Generating Access, and Transforming Small Island Communities). Which is good because now, they are getting a huge progress in their community.

As a matter of fact, DOST Western Visayas Regional Director, Engineer Rowen Gelonga, in a phone interview on wednesday, said initiative in Barangay Botlog is part of their bigger project where they have selected three island communities in the region as the recipients. Which is a good thing for the three island communities because their community would get a lot much better.

The project is in collaboration with DOST, Central Philippine University, and the Northern Iloilo State University, and also funded by the Department of Economy, planning and Development under its Innovation Grant.

Gelonga said that "The purpose of our project is we provide technical interventions to address their preparedness in disaster resiliency. For every Island Community, we pilot different technologies. In Barangay Botlog, we piloted the vertical access wind turbine. We harness the wind energy to provide electricity to the community."

In the land of Barangay Botlog, Gelonga saw that they needed an additional source of electricity in their community, which is vulnerable for the community because they lack electricity.

The two other projects are in Unisan Island in Nueva Valencia in Guimaras, and in Mararison Island in Culasi, Antique.

The project that was implemented in Unisan, which is the water desalination facility in partnership with John B. Lacson Foundation Maritime University. However, in the Mararison, the focus is more on disaster resiliency, they installed an automated weather station, and residents were trained on evacuation maps, first aid, and other necessary skills.

After all, we need to seek for progress and not let our community get bad. Through unity and teamwork, let's allow big projects for huge progress and reject bad community for a better world. (#30)



The Project : Dagat :
 : How it benefits a small island in Iloilo

An island community located in a Conception town in Iloilo was a recipient of VAWT (vertical axis wind turbine) system under the project : Dagat (Driving Advancement, Generating Access and Transforming Small Island's communities). Of the Department of Science and technology (DOST)

According to DOST Western Visayas regional Director, Engineer Rowen Gelonga - In a phone review at Wednesday said that the initiative Barangay Botlog is part of their bigger project where they have to pick three small islands in the region as recipients

He said that the purpose of this project was to provide technical interventions to address their preparedness in case of disasters resiliency. And for every island community to pilot different technologies and to pilot VAWT to harness the wind energy to provide electricity to the community.

This project collaborated with DOST, Central Philippine University and the Northern Iloilo State University. and funded by the Department of economy, Planning and Development under its innovation Grant

The Vertical axis wind turbine serves this island by providing electricity, to the lightning and giving them solar panels. Which they can use during daytime when the wind is weak. Enhancing local energy dependence and contributing to community resilience

So the street lights were provided by the local government unit while ~~the~~ turbing are in place. They can expand the possible uses of the electricity that they generate

Making this island very high and very safe. Then Delonga said that three years ago a wind energy research center was established in CBU. The design of the panels were tested from botlog. They will continue to developed better and more efficient wind turbines

For now on a dry run. The capacity is one kilowatt, sufficient to light more than 200 bulbs. Making this more safe, sufficient, and more helpfull. This project is not just's benefits it also helps too.

DAGAT: A Project Where Air is Used



There are many kinds of disasters ~~are~~ happening in every province. Iloilo is one of them. An Engineer is worried for the people in Iloilo, deciding that he could invent something for the people's safety. So he invented DAGAT, a project where air energy was used.

According to Engineer Rowen Gelonga, the purpose of the project is to provide technical interventions to address their preparedness in disaster resiliency. For every island community, they pilot different technologies.

Moreover, in Barangay Botlog, they piloted the vertical access wind turbine. They harness the wind energy to provide electricity to the community.

Furthermore, the Barangay Botlog is part of Eng. Rowen Gelong's bigger project where they have selected three island communities in the region as recipients.

Vawt serves the island by providing electricity to the lighting and charging system, enhancing local energy dependence and contributing to community resilience.

Although their target is to provide streetlights along the shoreline and power at the barangay hall where residents can charge their gadgets and small appliances.

The streetlights were provided by the local government unit, while the turbine was Eng. Gelonga's project. If the technical specifications and performance of the wind turbine are in place, they can expand the possible uses of the electricity that they generate.

The project can help many people in Iloilo, how they can change gadgets and give people early warnings to disasters by making automated weather station. It can prepared themselves before the disaster hits, and to let them see the road at night by putting streetlights. Making sure that every people is safe and protected.