



## **DOST-ITDI's Power Backup System finds new home in former FNRI staff's company**

On February 6, 2023, Dr. Gracia Fe B. Yu, manager of a Bataan-based company, entered into an agreement with DOST-ITDI as the new technology adopter of the ITDI-developed Power Backup System (PBS). Dr. Yu inked the Memorandum of Agreement (MOA) with ITDI along with DOST Region III during a ceremony at the Metrology in Chemistry Conference Room. The PBS will soon be installed at her company's facility in Morong, Bataan.

Signing the MOA were DOST-ITDI Director Dr. Annabelle V. Briones and Chemicals and Energy Division OIC Engr. Apollo Victor O. Bawagan for DOST ITDI. Signing with Dr. Yu was her son Reynaldo Yu II, who served as witness along with DOST-ITDI's Deputy Director for Research and Development Dr. Christine Marie C. Montesa, and Deputy Director for Administrative and Technical Services Dr. Zorayda V. Ang. Staff of CED and the Technological Services Division (TSD) assisted in the ceremony.

Dr. Grace, as friends and colleagues call her, was formerly with DOST's Food and Nutrition Research Institute (FNRI) before moving on as a full-time professor at the University of the Philippines Manila. Also, being an advocate of natural and organic foods and plants, she and her family has since set up a farm that eventually grew into a company. To ensure her company's smooth operations amidst periodic power outages commonly experienced in Morong, Bataan, she sought ITDI for possible sustainable solutions to their energy woes – she then discovered she needed ITDI's power backup system.

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The PBS was developed by ITDI's Chemicals and Energy Division (CED) to provide industries and MSMEs sufficient backup energy during power outages, addressing the limitations of the commercially-available uninterruptible power supply (UPS). It is more adaptable to load requirements, locally-available, easy to maintain parts and is tolerant to any source of energy including renewables.

The MOA provides for equipment fabrication, installation, training/workshop, project monitoring, and provision of technical, logistics, and maintenance support.

(RRUdelaCruz, DDGotis//ICOW TSD; photos by RRUdelaCruz,)



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