

DAD Plant in Philippines

The Philippines' first project to produce renewable energy from sorted organic waste began operations in May 2017 and was awarded a Sustainable Merit Award for Environment Category by the Association of Development Financing Institutions in Asia and Pacific (ADFIAP)

Naga, Cebu, Philippines

The Dry Anaerobic Digestion (DAD) plant in Barangay Pangdan Cebu, was designed by IUT (now DP CleanTech), and constructed by the Naga City- based project owner FDR Integrated Resource Recovery Management Inc.

The equipment was delivered in mid 2016, and civil construction, equipment installation and piping took place between August 2016 and January 2017.

This project was the first in the Philippines to produce renewable energy from the organic waste fraction of MSW (OFMSW). A daily average of 100 tons of mixed household, commercial and industrial waste is collected from the cities of Naga and Carcar, and the town of Minglanilla. It is screened for the Organic Fraction, which is then fermented to produce gas and electricity using the DAD process.

Plant capacity: up to 130 tons OFMSW

Electricity production: 650KwH/h for internal consumption, with excess delivered to the grid.

In 2017, the plant was awarded the Sustainable Merit Award for Environment by the Association of Development Financing Institutions in Asia and Pacific (ADFIAP).



View from on top of the digester boxes: flare, pipeline and gas holder



Pre-sorted organic waste inside DAD Boxes



Contact Us

DP has 9 offices around the world in 8 countries – Austria, China, Czech Republic, Denmark, Poland, Thailand, UAE and UK.

To ensure that we can address your needs appropriately, please email info@dpcleantech.com for enquiries or further information.

About DP CleanTech

- ✓ Founded in 2004, DP CleanTech Group designs, engineers, manufactures and commissions complete solutions for managing waste materials; and for conversion of waste materials into clean energy.
- ✓ DP's core technologies originate in Europe and are behind over 300 biomass and waste-related projects around the world.
- ✓ DP has a broad portfolio of innovative Waste-to-Energy and environmental management technologies with which to lead the advancement of renewable energy and environmental protection.
- ✓ DP technology was behind the first biomass power plant in both Denmark and the first commercial power plant in China.
- ✓ DP has facilities and multiple references across Europe and Asia; and has projects under development in Africa and South America.

