



PROCESS

After process development testing was conducted in the FEECO Innovation Center to produce a gypsum soil amendment for use in rice cultivation, DKT of Thailand contracted FEECO for system design and supply of key processing equipment for their [gypsum pelletizing plant](#).

The established process involved a common pelletizing setup in which a [pin mixer](#) is used for preconditioning material prior to a [disc pelletizer](#), yielding a granular product highly uniform in both composition and physical characteristics such as particle size distribution and bulk density.

Granules produced on the disc pelletizer are dried in a [rotary dryer](#), followed by a screen and [hammer mill](#), which serves to separate on-size product from the “overs” and “unders.” Off-spec product is then reincorporated into the process as part of a recycle circuit.

This project utilized the full scope of FEECO offerings, beginning with process & product development, followed by the manufacture of custom equipment, and finally ending with start-up assistance and process training for operators.

The project was so successful that it led to the commission of an additional pelletizing line for the company.

PROJECT SPECS

Customer:
DKT

Equipment Supplied:

- Pin Mixer
- Disc Pelletizer
- Rotary Dryer
- Hammer Mill

Project Location:
Thailand

Industry:
Aquaculture

Material:
Gypsum

Project Engineer:
FEECO International, Inc.