Case study

Lowest OPEX Wastewater Treatment for Asian Poultry Processing Multinational



Client Profile

- Poultry Processing
- Philippines
- 2.400 m³/day
- 2018

Challenge

The existing biological system could not handle high fat and organic loads, causing unstable effluent quality and risk of violating DENR regulations. Space limitations prevented expansion.

Relevance for the Philippines

- Proven locally under DENR conditions
- Ideal retrofit for overloaded plants
- Enables compliance without expanding footprint

Solution

Installation of a compact high-efficiency primary treatment system:

- Coagulation + flocculation
- Limited footprint Colubris Dissolved Air Flotation KCF
- Optimized for high-load poultry wastewater

This stabilizes influent before biological treatment.

Results

- **Stable pre-treatment despite load shocks**
- **Compact solution for space-limited sites**
- **Reliable and easy operation**

DENR **Consistent compliance**

Colubris © 06-2026

Colubris
Stevinstraat 11
7102 DZ Winterswijk

The Netherlands
+31 (0)543 221 221
colubriscleantech.com