Case study

Lowest OPEX Wastewater Treatment for Asian Poultry Processing Multinational



Client Profile

- Poultry Processing
- Indonesia
- 1.200 m³/day
- 2016

Challenge

A multinational poultry producer required a reliable, compliant solution with the lowest possible operational cost for a new plant.

Relevance for the Philippines

- Strong fit for cost-sensitive operations
- Reduces dependence on chemicals
- Reliable performance in tropical climates

Solution

A fully integrated wastewater system combining:

- Screening + non-chemical DAF
- Biological treatment with energy-efficient surface aeration
- FBR technology for continuous sludge separation

Designed for low energy, minimal chemical usage, and stable operation

Results

- **Achieved consistent discharge compliance**
- **Treated water reused for irrigation purposes**
- **Lowest operational costs of all poultry processing plants in the group**
- **Easy operation with minimal operator involvement**

>75% **Reduction in biological sludge**

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