Case study

Reliable Low-OPEX Wastewater Treatment for Dairy Processing



Client Profile

- Dairy Processing
- Indonesia
- 1,200 m³/day
- 2015

Challenge

A dairy processor needed a compliant, reliable, and cost-efficient solution capable of handling fluctuating loads and cleaning cycles (CIP).

Relevance for the Philippines

- Handles fluctuating dairy processes
- Reduces OPEX and sludge
- Proven in Southeast Asian conditions

Solution

A compact integrated system:

- Screening + non-chemical DAF
- Biological treatment with an FBR for efficient activated sludge separation
- Energy efficient aeration
- Designed to handle variable dairy loads efficiently.

Results

- **Consistent discharge compliance**
- **Low operational costs**
- **Treated water reused on-site**
- **Easy operation**

>75% **Reduction in biological sludge**

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