

# CASE STUDY

|          |                              |
|----------|------------------------------|
| PROJECT  | TRADE WASTEWATER FOR BREWERY |
| PRODUCT  | Fine Screen Filter           |
| INDUSTRY | Food and Beverage            |
| LOCATION | Victoria and New South Wales |



## BACKGROUND

A large food and beverage manufacturer approached MAK Water as they had increased production on multiple sites and their existing Waste Water Treatment Plants (WWTPs) were not keeping up with the new demand. They also wanted to eliminate the production of sludge as a by-product from the treatment process.

Not satisfied with the existing waste water process, and faced with the possibility of future trade waste license breaches, the manufacturer engaged MAK Water to work collaboratively with their engineering consultant and run a pilot trial for a Salsnes fine screen filter.

## TRIAL RESULTS AND BENEFITS

The trial ran for four weeks and was deemed a success, with the following results:

- **Sludge dewatered to approximately 20% dry matter.** This eliminated the sludge from the current process and enabled the waste to be disposed of by a solids waste contractor
- **Approximately 50% Total Suspended Solids (TSS) removal.**
- **No dewatering chemicals required.** No additional chemicals were required to dewater the sludge in the filter.



*Salsnes Fine Screen Filter and pH correction system on site*

## PROJECT IMPLEMENTATION

The food and beverage manufacturer went on to engage MAK Water to complete turnkey upgrades of their waste water treatment plants in both Victoria and New South Wales.

The scope included:

- Salsnes fine screen filters for solids reduction
- A pH correction system
- On site installation works
- Commissioning and operator training

Completed in March 2017, the upgrades are expected to reduce the customers waste disposal costs and improve process control to eliminate any potential environmental license breaches.



*MAK Water provided all site installation works and commissioning as part of the turnkey solution*