



## Imported Sludge to Strain Press Pump

**Imported sludge contains wide-ranging amounts of grit, solids, and rag. A new pump changed everything.**

### Overview

Material: Imported Sludge (3 - 12% DS)  
Site: Sewage Sludge Treatment Works  
Flow rate: 665 l/min  
Solids passage: 100mm

### Problem

- Imported sludges – high content of grit and rag – clogging pumps, causing extensive downtime.
- Variable sludge solids percentage – dry solids over 7% caused existing centrifugal pumps to stall.
- Regular failure of the strain press means rag by-passes into the main plant, causing further failure.

### Solution

- Peristaltic pump capable of passing large quantities of rag without blocking.
- Slow running peristaltic pump at 26rpm increases wear life, over centrifugal pump running at 1450rpm, by 5x
- Peristaltic pump suited to varying dry solids (DM) percentage

### Results

- LSM 100 installed permanently, following a break-down-free 12-month trial.
- Minimal rag passing through into the works.
- Reduced maintenance and downtime on both the pump and the strain press.



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