## FACT SHEET WASTE TO ETHANOL DEMONSTRATION



**Mobile** containerised demonstration plant

Multifunctional: Suitable for various

microbial bioprocesses

Bioreactor volume: 1 000-litre, jacketed &

steriliser

**Self-sufficient** with process utilities

**Installation:** Plug & play, requires only water, electricity, effluent connection

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## **Technology Demonstration**



Paper sludge waste, 70% moisture

**Operation:** Fed-batch fermentation

**Ethanol performance:** 

Minimise ethanol production cost

Fermenting organism: Commercial

Saccharomyces cerevisiae (brewer's yeast)

Yeast enhancements:

Xylose consumption, cellulase secretion



## Commercial Application



Sustainable aviation fuel



Renewable fuel



Platform chemicals



Ethanol cook stoves







