

HOW TO SOLVE THE PAPER INDUSTRY'S WASTE MANAGEMENT PROBLEM WHILE PROMOTING SUSTAINABILITY

PROBLEMS

Pulp and paper is the 3rd largest industrial polluter of air, water and soil.

2.12 billion

Every year we dump a massive 2.12 billion tons of waste. If all this waste was put on trucks they would go around the world 24 times.

3rd largest

40%

Paper accounts for up to 40% of total waste in the US.

407 million tonnes of paper and board are produced.

407 million

This production generates approximately 30 to 90 billion tonnes of polluted waste water that needs to be treated.

30 to 90 billion

Creating 50 million tonnes of sludge disposal.

50 million

A NEW SUSTAINABLE WAY

TRADITIONAL TECHNOLOGIES

83%

83% of paper sludge is forwarded to traditional waste handling operations technologies like landspread, landfill, and incineration.

Traditional technologies can be considered temporary, costly and environmentally unfriendly.

\$21 million

INNOVATIVE ENZYME TECHNOLOGIES

Paper plant sludge is converted to biogas by the action of special enzymes. Plus, organic fertilizers are produced from the residue of this process.

Biogas can be used for clean electricity or clean biofuel production. Organic fertilizers are especially vital for organic farming.

On average, a paper plant spends \$7 million a year for its waste.

A paper plant would earn \$21 million from its waste with this innovative enzyme technology as a result of energy and organic fertilizer production.



\$7 million

SAVE THE PLANET WITH **BIOTECHNOLOGY** WHILE GROWING YOUR BUSINESS!



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