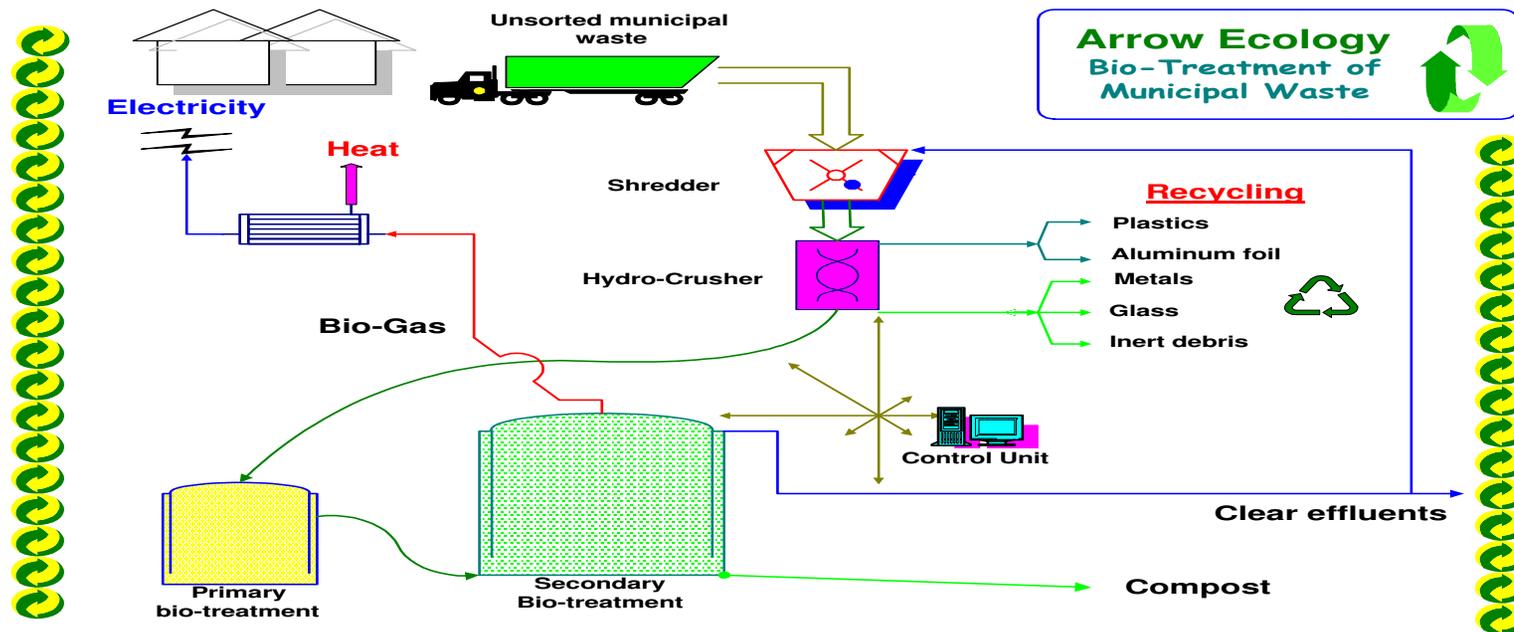


The ArrowBio Process

An Experienced Clean Treatment for MSW



Yair Zadik, Co-CEO

April 2006

The ArrowBio Process

An Environmentally Friendly Treatment

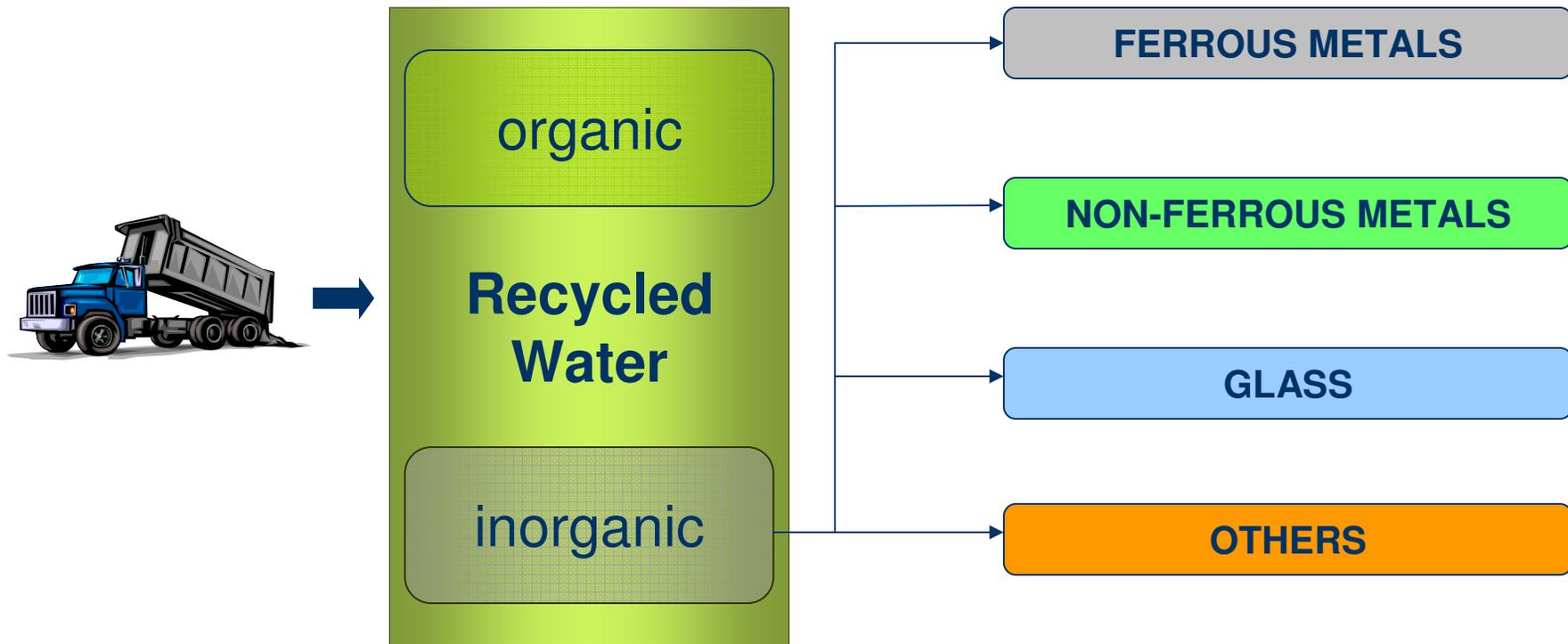
To Manage & Recover Resources

From Unsorted or Sorted MSW

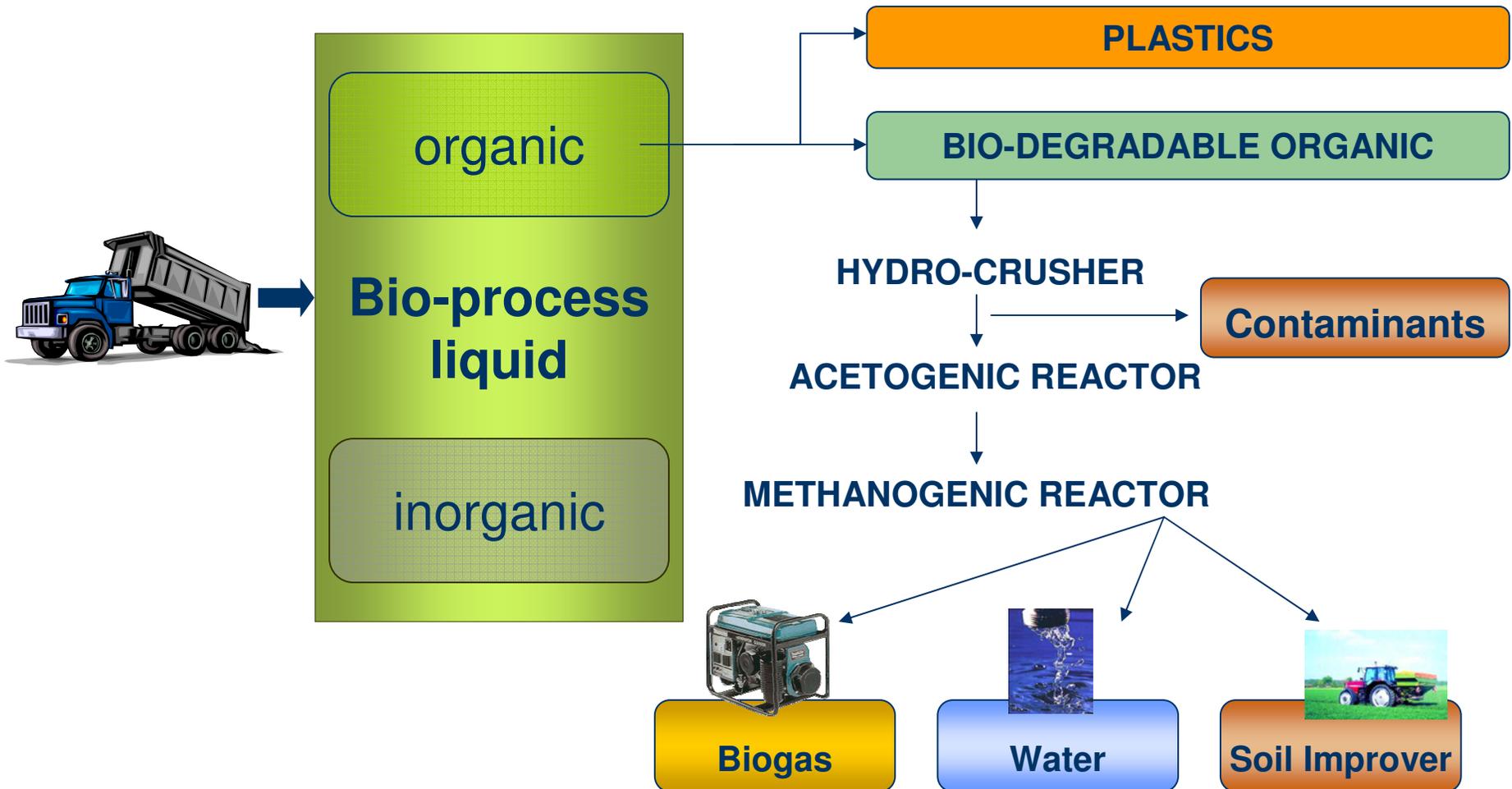
Via a Watery Sorting Process (“A Watery MRF”)

and a Classical Watery Anaerobic Treatment (“UASB”)

The Process – Basic Principals



The Process – Basic Principals



The Tel-Aviv ArrowBio Plant



The “Wet MRF” - Sorting in Water



Biological Reactors & Energy Systems



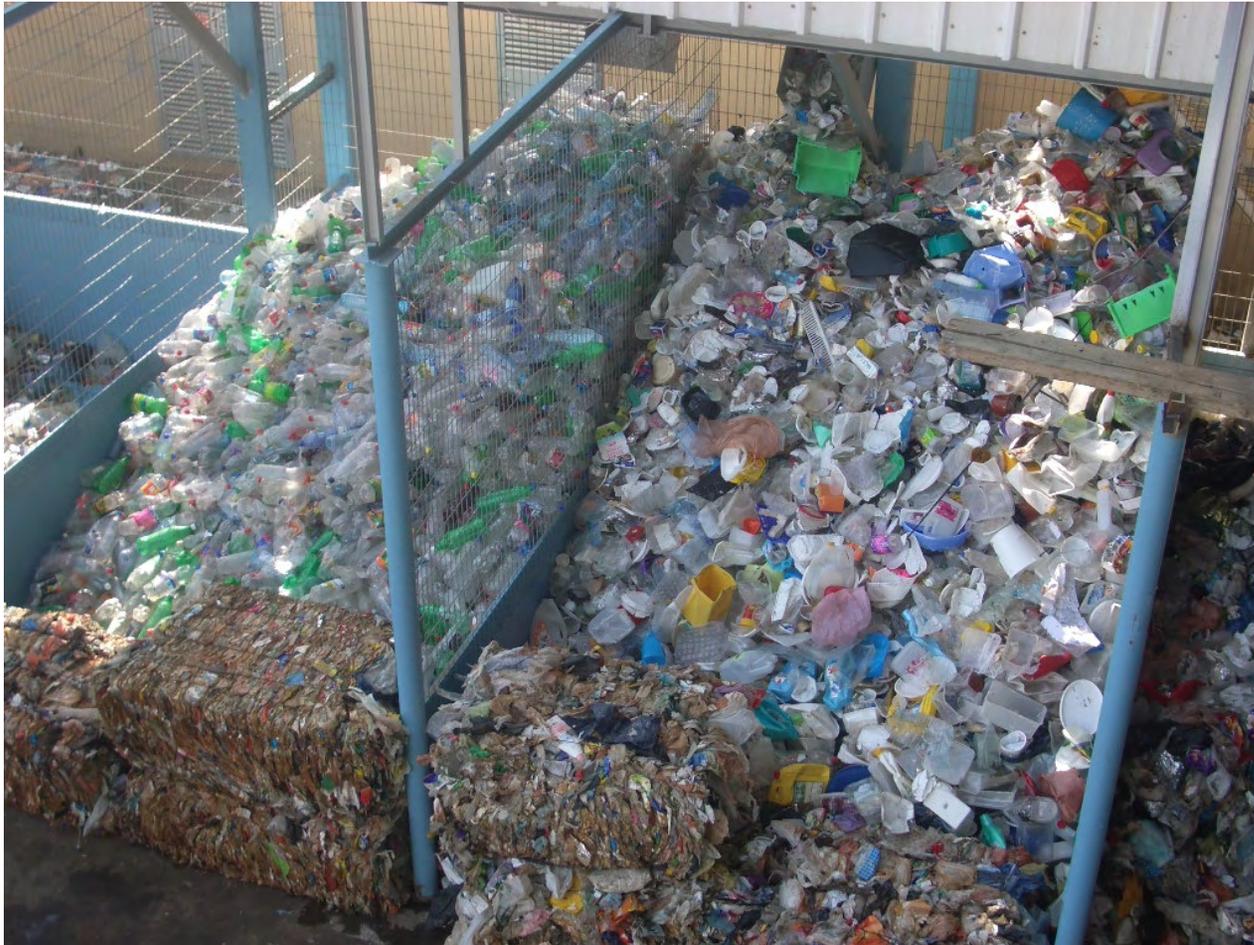


PRODUCTS
and
ENVIRONMENT

Scrap Metal



PET, HDPE, and Film Plastics



Clean Soil Improver



Agricultural Tests of Soil Improver



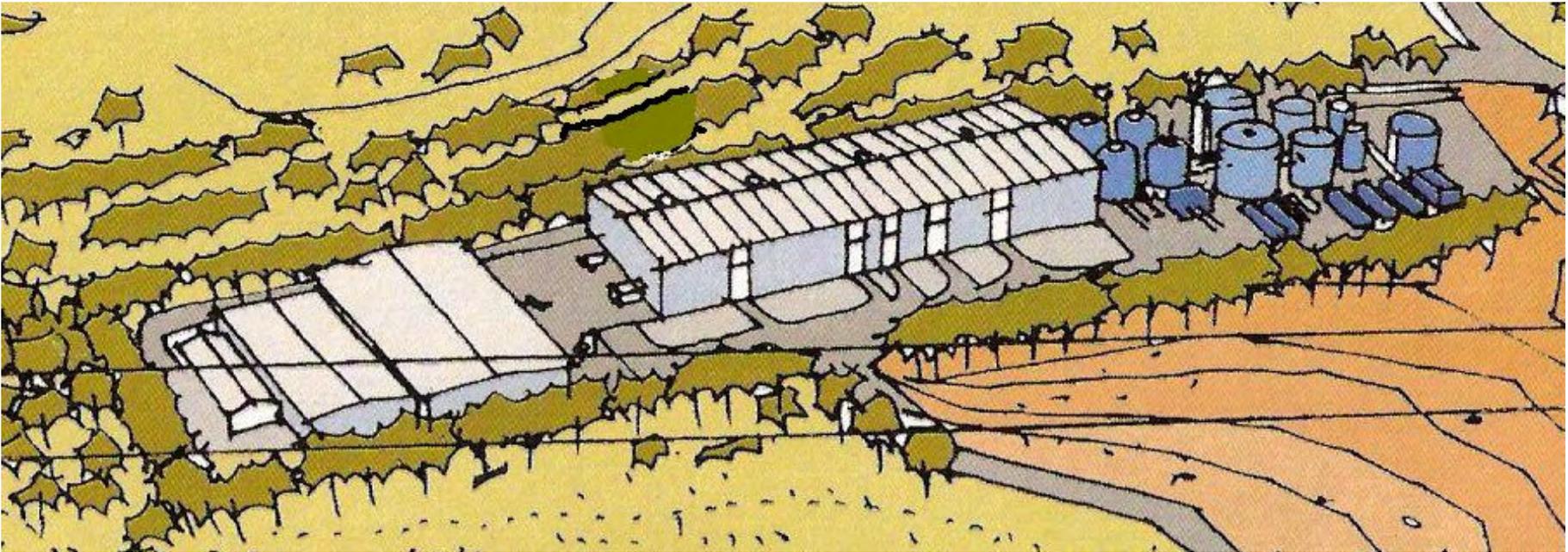
Green Energy



Odor and Noise Measurements



ArrowBio in Sydney – Artist's Concept

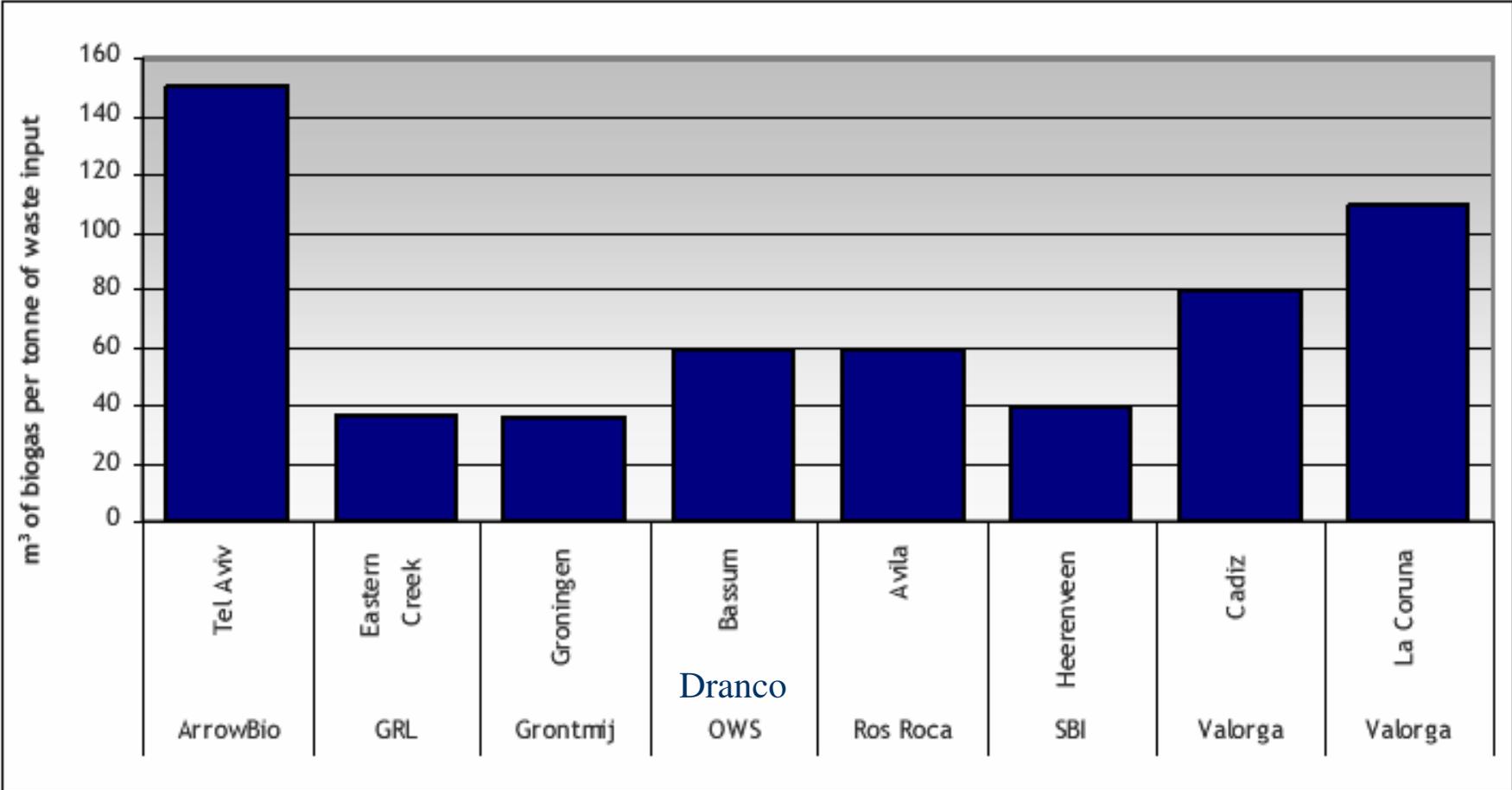


Australian Review Summary

- “ The 2 stage digestion achieves better process control”
- “ The net electricity export is superior... and there is no requirement for energy to undertake composting”
- “ The plant uses a smaller footprint”
- “ Sludge from digesters is cleaner compared with others...The propensity for heavy metals is lower...”
- “ The process after its initial fill, is a net exporter of water “

*Mohan Selvaraj, General Manager Technology Development,
WSN environmental Solutions, Sydney, Australia*

Int'l Review of Juniper, UK



ArrowBio's Competitive Edge

ArrowBio's solution offers a more efficient and cost effective waste treatment system that exhibits the following core competitive advantages :

- ArrowBio treats mixed or segregated waste with a unique and patented watery sorting process, that lowers the need to landfill to minimum and eliminates contamination.
- No use of high temperatures and using water pipes and tanks prevent any pollution and any odor nuisance to the environment.**
- Using standard machinery from the water industry lowers the construction costs. The modular design offers flexibilities that enable tailoring the costs to the specific customer.
- The net energy production and the clean products that prevent the need for “post process treatment”, lower the operational costs .
- High green energy production plus low energy consumption generates high income directly from the energy sales and also from Carbon credits (Kyoto Protocol).

Major Parameters for evaluating an MSW treatment process

1. What feedstock is it handling now. Is it mixed MSW or not?
2. What is the quality of the products?
3. What is the tipping fee it works with?
4. Does it have a commercial plant receiving waste from random garbage trucks?

1. ArrowBio receives mixed MSW, on a daily basis.
2. ArrowBio has data that shows clean and non-contaminated products.
3. ArrowBio works with a few tens of dollars per ton.
4. ArrowBio works in a commercial site, receiving random mixed waste every day.

ArrowBio's Competitive Edge

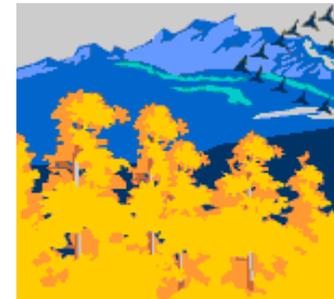
- Cost



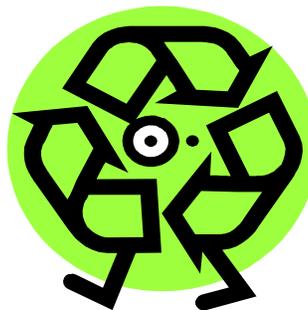
- Green Energy



- No Pollution or Contaminated products



- Integral Recovering



Thank You

