



ORGAWORLD

bio-stabilization, anaerobic digestion, and composting
proven technologies and practices



Source Separated Organic waste processing for the
Regional Municipality of York

W. Janssens
National Business
Orgaworld

Goal of this presentation

- To introduce Orgaworld and parent company Shanks
- To present Orgaworld's London facility, which is processing Source Separated Organics for the Region of York
- To demonstrate diversion results

Orgaworld

- Dutch company (www.orgaworld.nl)
 - Facilities in the Netherlands and Ontario, Canada
 - Specializing in organic waste treatment
- Part of Shanks Group(www.shanks.co.uk/shanks)
 - Over 3,000 people employed at more than 100 sites offering a wide and innovative range of waste management solutions

Orgaworld Netherlands



1 under construction

Orgaworld processes 340,000 tonnes/year of organic waste in the Netherlands

Orgaworld's processes

- Composting
- Wet anaerobic digestion
- Dry tunnel anaerobic digestion
- Production of bio-ethanol (from starch/ sugar rich industrial waste)

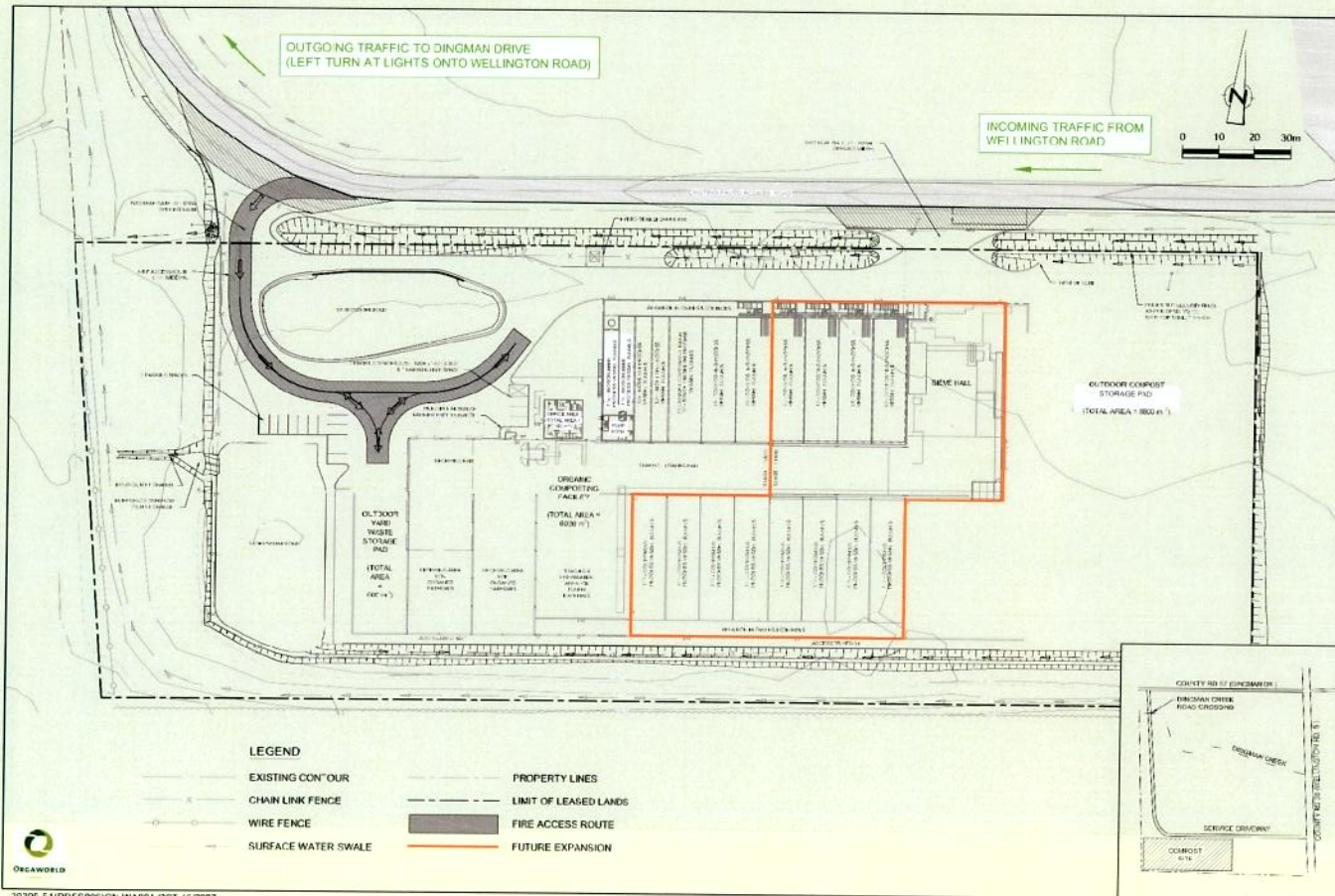
Projects in Canada

- 2005 Contract awarded by the Region of York: 30,000 tonnes of SSO annually
 - First facility constructed in London, Ontario.
 - Start construction November 2006
 - Start waste receiving June 2007
- 2007 Contract awarded from Toronto: 70,000 tonnes annually
 - expansion of the London facility to enable to receive Toronto's waste
 - Start receiving 40,000 tonnes June 2008
 - Start receiving 30,000 tonnes December 2008
- 2008 Contract for a second facility in Ottawa:.
 - Start waste intake: October 2009
 - 100,000 tonnes annually

Typical York Region SSO



London, Ontario Site



39395-51/PRES006XIN-WA001 OCT 16/2007

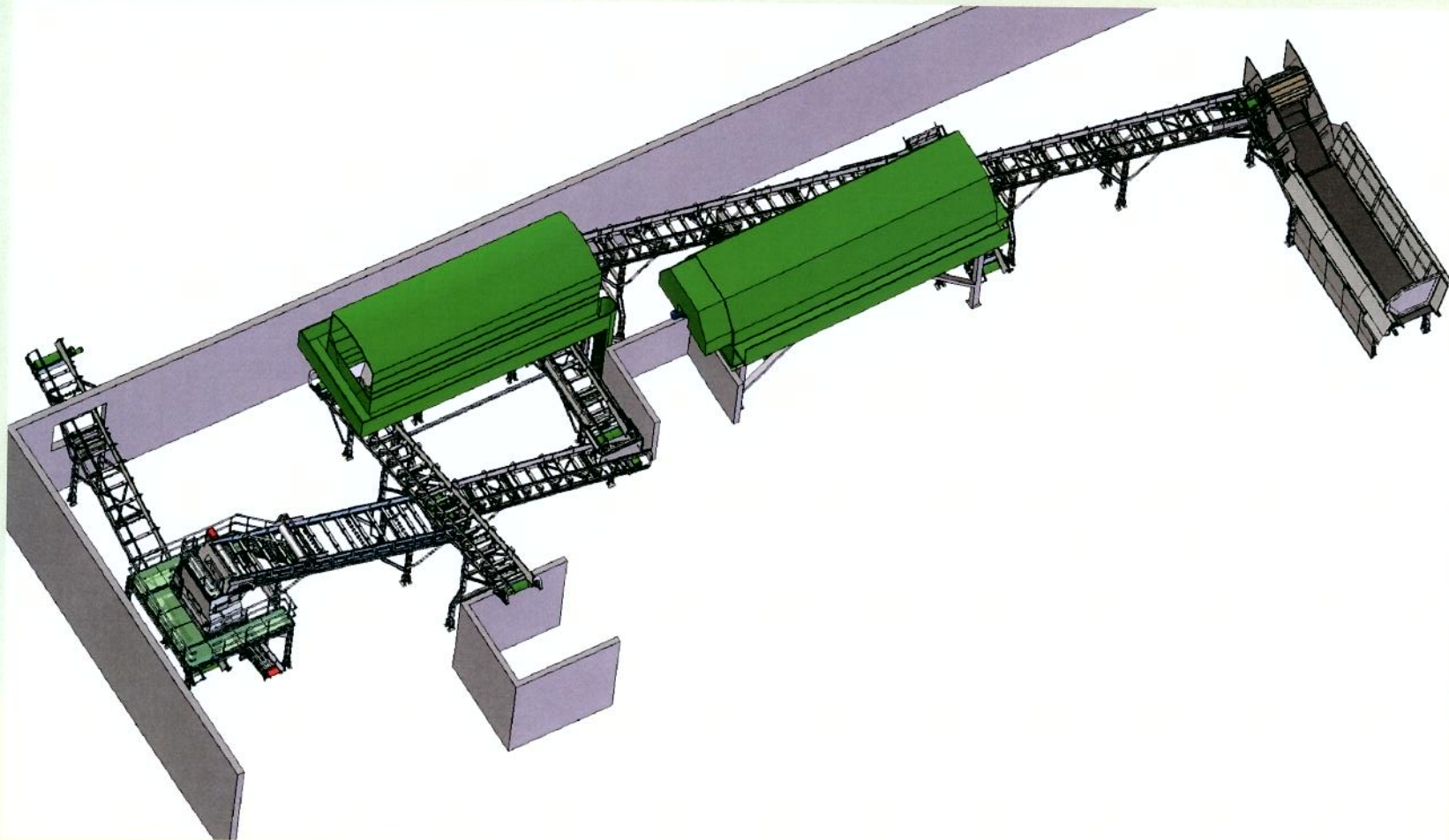
Orgaworld London Facility







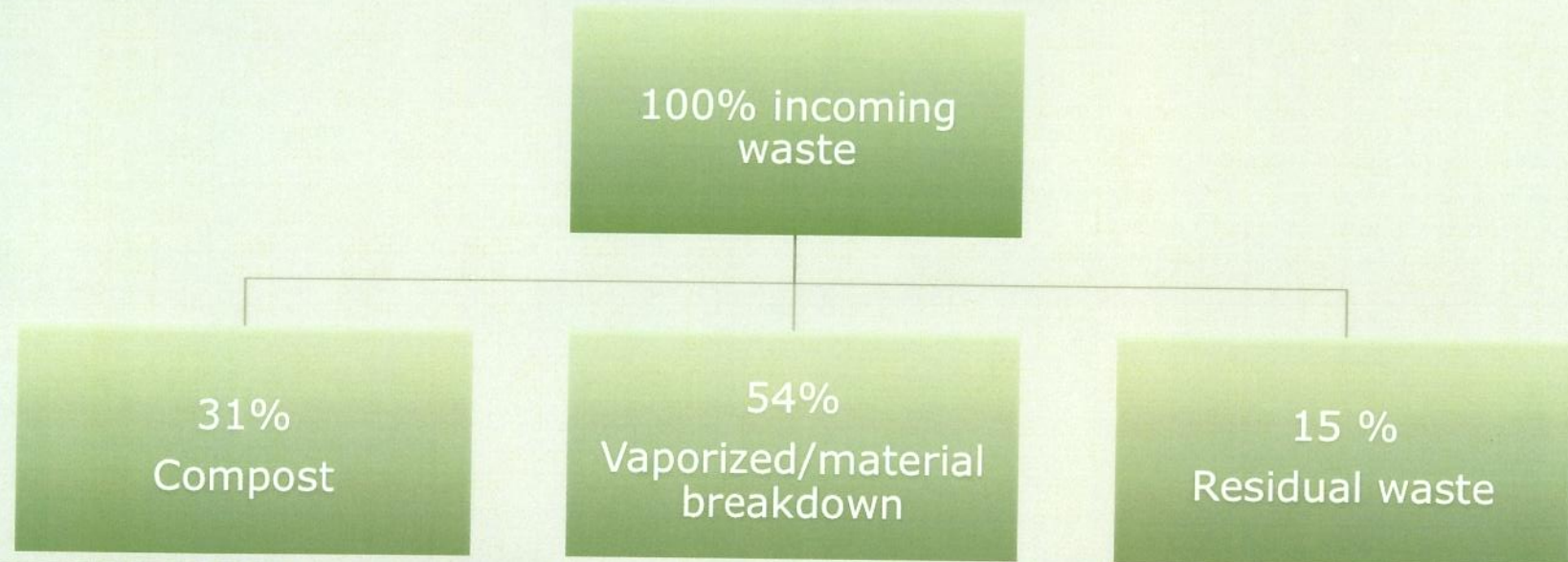
New Screening Line



Current Performance for York

	Reality
Waste intake	39,000 tonnes/year (contract= 30,000 tonnes/year)
Residual Waste	15% of incoming materials
Compost Quality	Unrestricted Use Product status after 21 days after composting
Compost shipped	After 21 days-to gravel pit for (approx 6 months) maturing and final screening. Then final shipping to: -Agriculture -Potting soil

Mass Balance



Residual waste



New project

- Conversion residual waste into fuel
- November 2008 test to use the converted residual waste as fuel in cement industry (common use in Europe)
- If successful: 100% diversion of York's SSO achieved

Curing and Final Screening

