



GLOBALESCO

LANDFILL REMEDIATION

A PROJECT PROPOSAL



THE PROJECT PROPOSAL

Landfill Remediation Service

Problem:

The Municipal solid waste landfill has been filled or crossing the limits.

Solution:

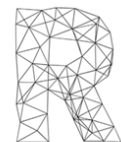
We propose a remediation solution for the landfill.

We will use a mobile solution to wrap and bale the old waste to 1 tone bales with a remarkable 1:3 to 1:4 compacting ratio.

The current landfill will be emptied and can be reused.

The bales can be used

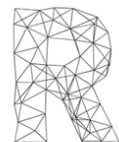
- to create a stable ground for various projects,
- and/or be sold to recycling facilities to produce energy.



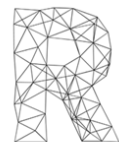
BENEFITS

- Significant volume reduction 1:3 or 1:4
- No leachate during round baling
- Bale contents are homogenized
- The hazardous liquids creation is stopped
- Bale chemistry renders contents biologically inert
- No methanogenic activity inside the bale
- No fires/explosions, almost zero odours
- HDPE-netting for bale stability
- LLDPE-foil wrapping to seal bales air & water tight
- Bale contents retain original high-calorific value
- High density of round bale ~1 tone/bale
- Landfill land can be used again
- Mobile integrated system

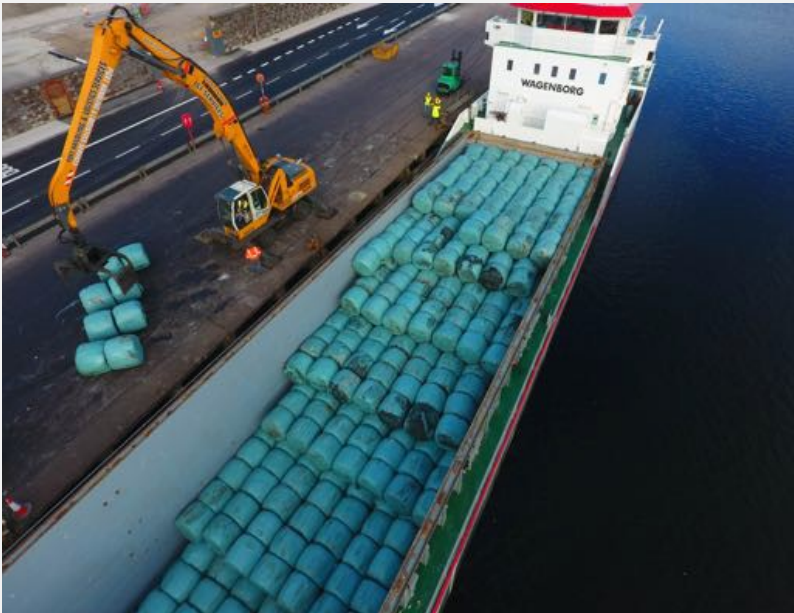
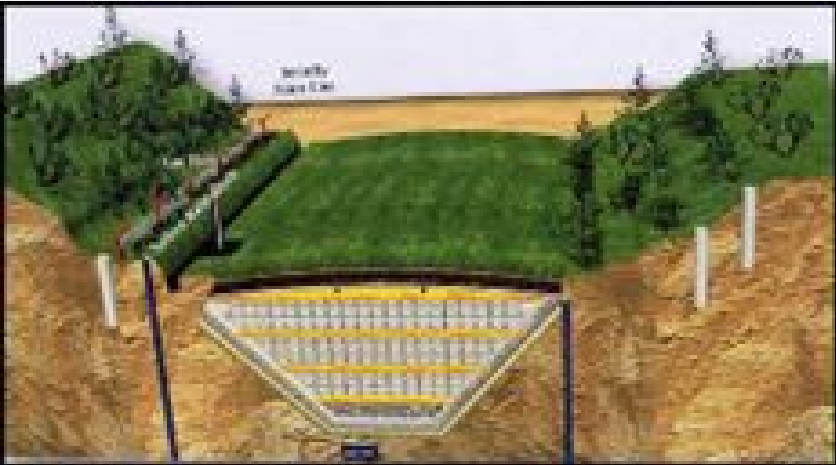
- *We create value from forgotten waste*
- *Bales can be used to produce energy*
- *No costly segregation is necessary or needed*



THE TECHNOLOGY

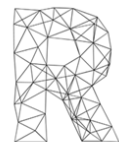


THE RESULT

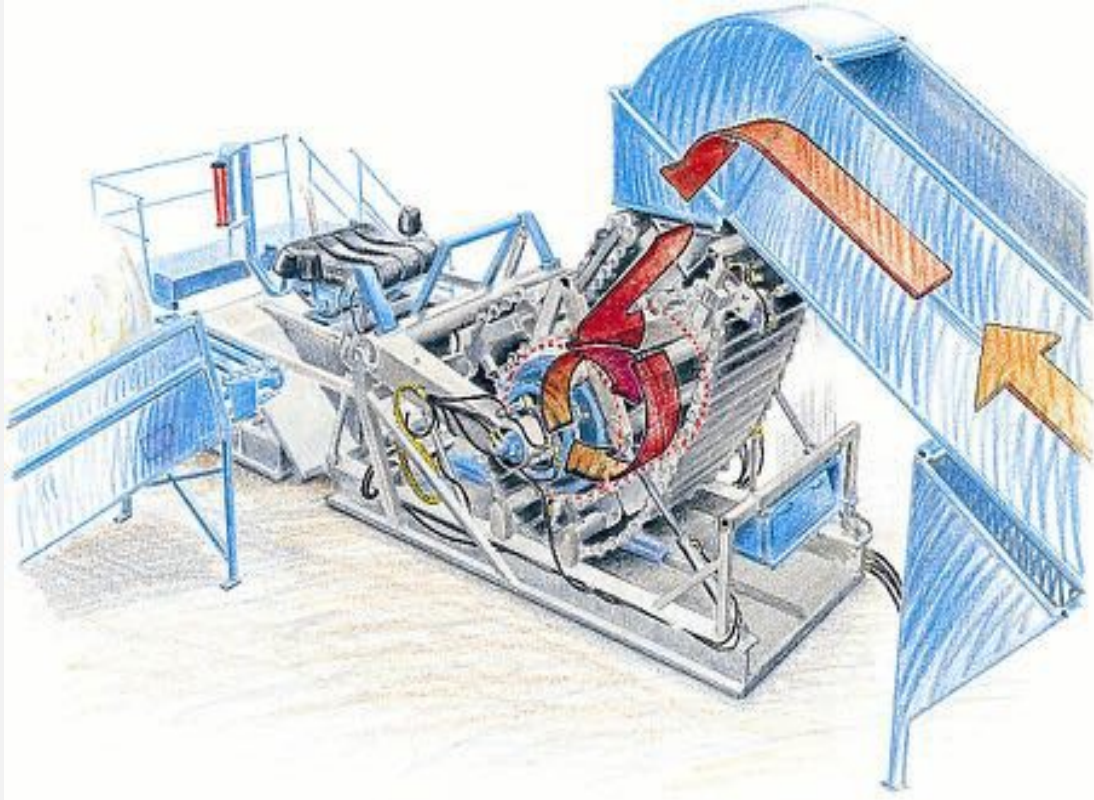


A CREDIBLE, HIGH EFFICIENT SOLUTION

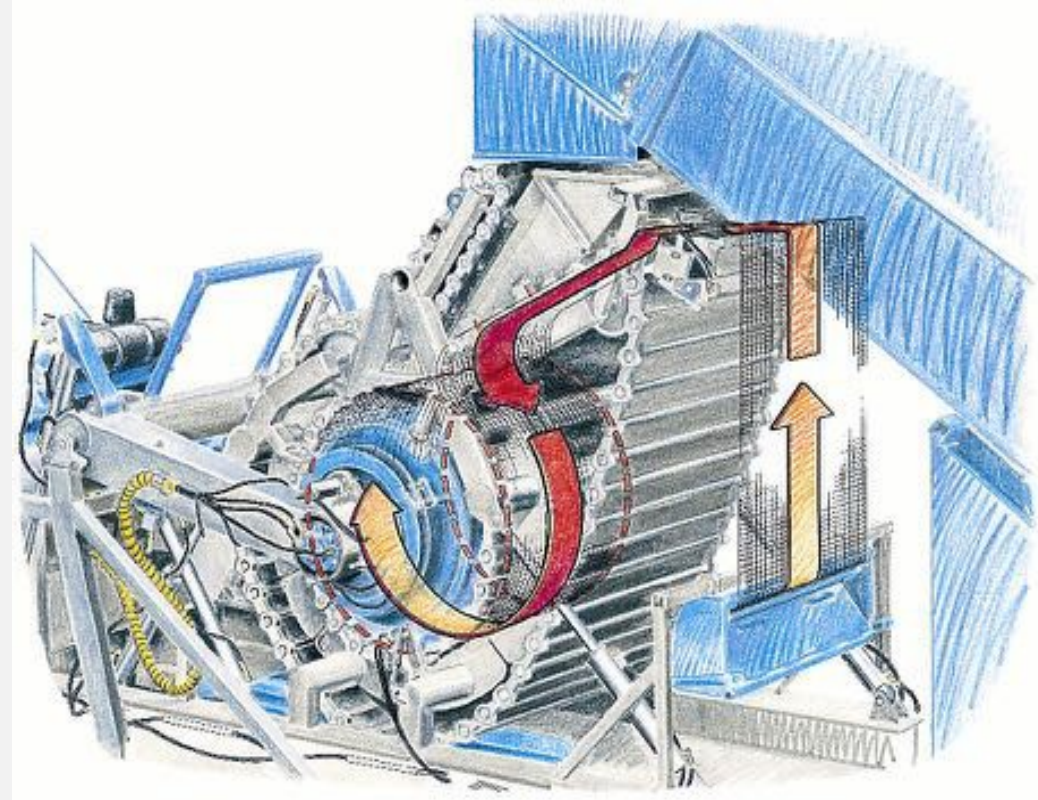
- **Flexus compressed Round Bale solutions**
- **Heavy-duty industrial-scale baling & wrapping**
- **Made in Sweden**
- **Today in 41 countries / 4 continents**
- **Manufacturing integrated round bale & wrapping solutions since 1992**



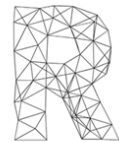
THE TECHNOLOGY - STEP BY STEP



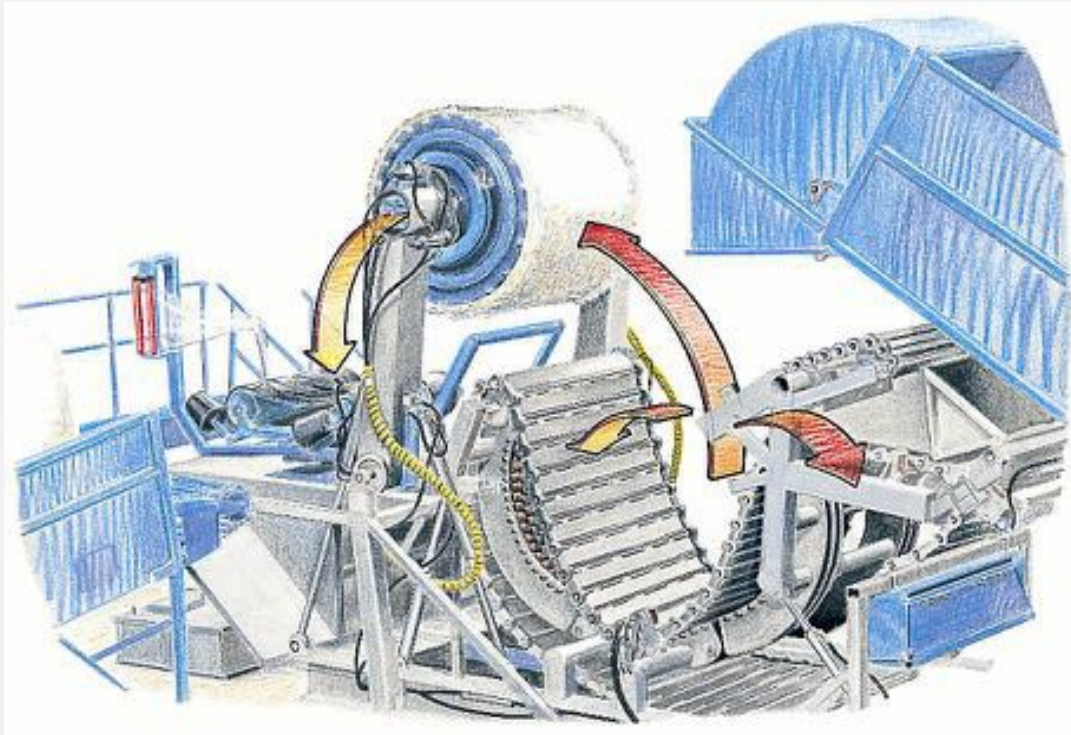
1. The material is fed into the bale chamber until full pressure is reached.



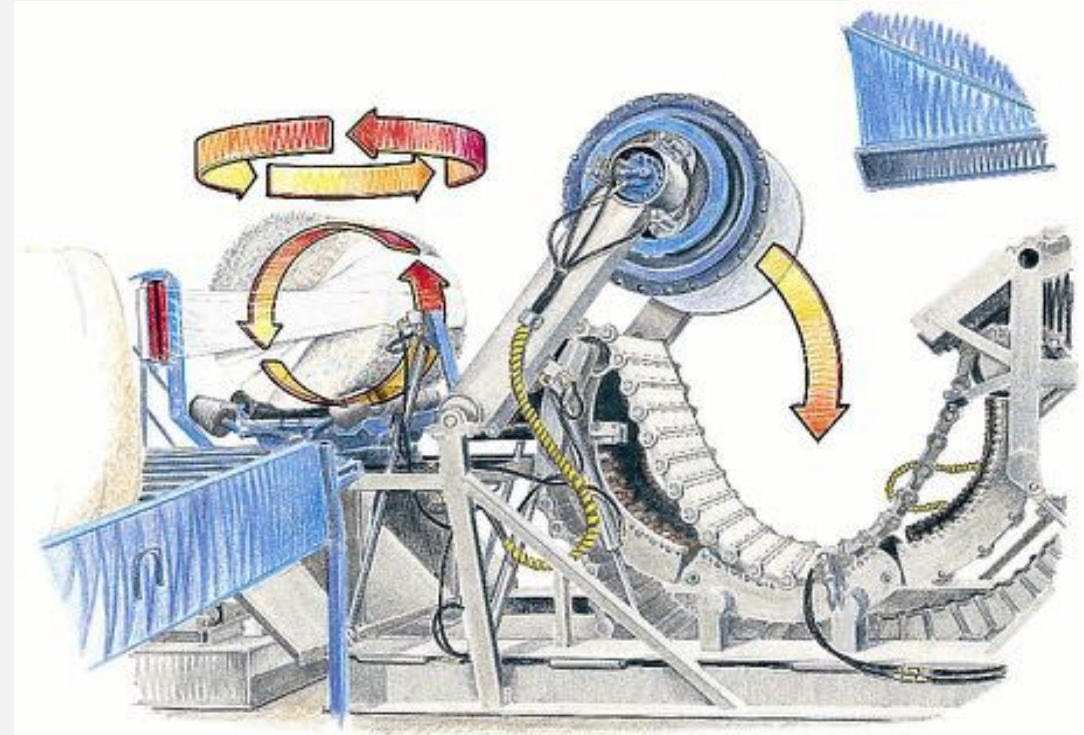
2. To keep the shape of the bale, a net or a film is fed into the chamber



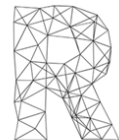
THE TECHNOLOGY - STEP BY STEP



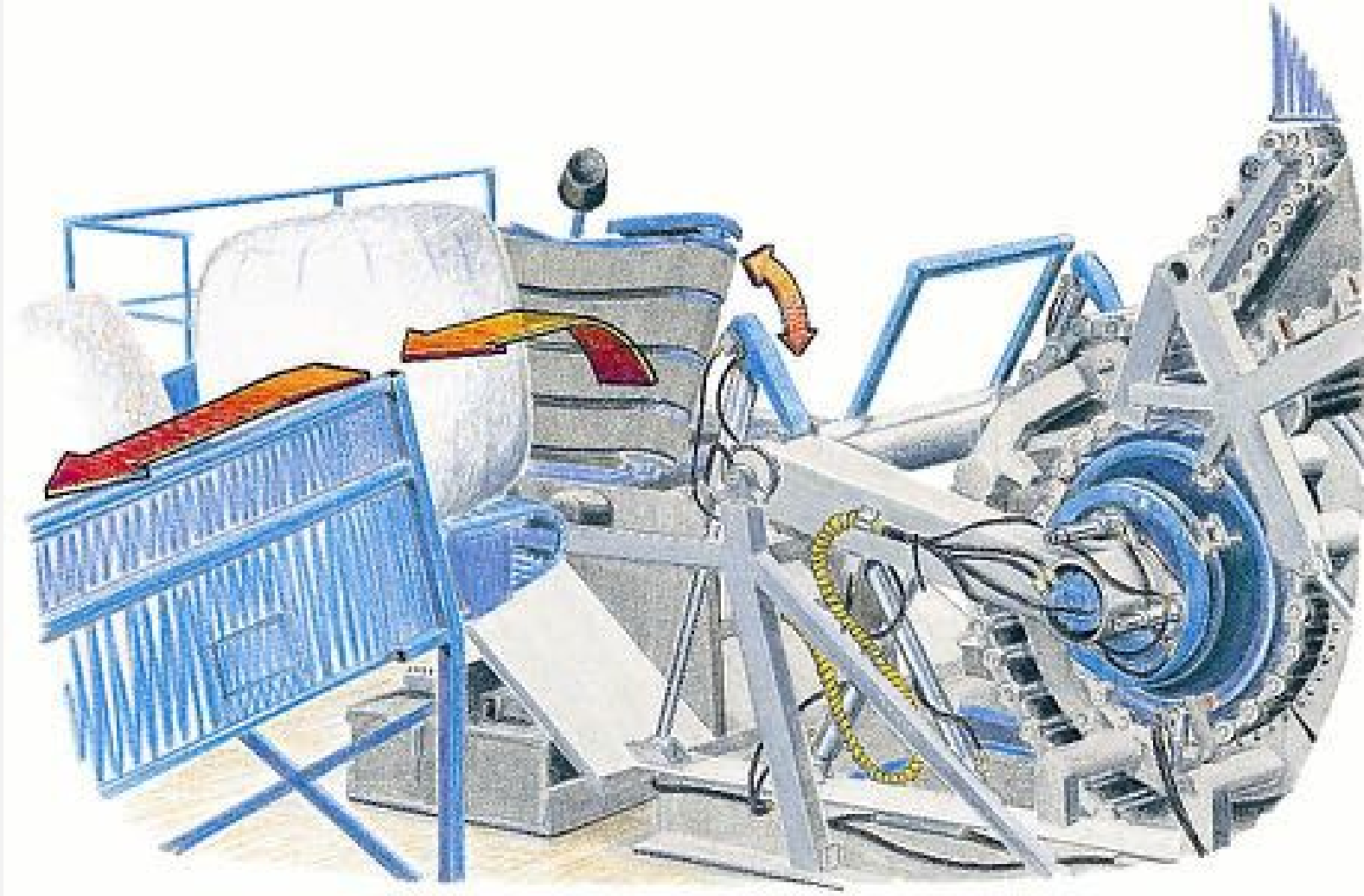
3. The bale chamber opens up and the bale is transferred to the wrapper unit.



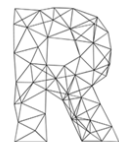
4. While bale is wrapped, the baler arm returns to start position for new bale formation.



THE TECHNOLOGY - STEP BY STEP



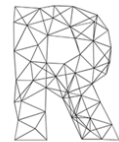
5. The wrapped bale is now fed on to the bale conveyor. The whole process lasts 2 - 3 minutes and is fully computerised.



ADVANTAGES

Benefits

- Significant volume reduction
- No leachate during round baling
- Moisture is evenly distributed
- Bale contents are homogenized
- Air pockets are expelled during bale formation
- HDPE-netting for bale stability
- LLDPE-foil wrapping to seal bales air & water tight
- Bale chemistry renders contents biologically inert
- No methanogenic activity inside the bale
- No fires/explosions, almost zero odours
- Bale contents retain original high-calorific value
- High density of round bale
- Small footprint,
- Very low energy consumption
- Highly cost efficient
- Heavy-duty construction, made for outdoor installation
- Mobile integrated system,
- Installation time 5 hours
- Round bale has no vulnerable corners
- Optimised use of landfill
- Satisfied customers in 41 countries





GLOBALESCO

george.sanidas@globalesco.com

GR Mobile: +30 6980904949

Skype: georgeksanidas

BH Mobile: +973 3900 6462

KSA Mobile: +966 55956 2781

GREECE – BAHRAIN – UK

www.globalesco.com

