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A Range of **Secure Treatment Facilities**

Indaver has agreements in place with a range of waste-to-energy facilities throughout mainland Europe & Scandinavia. The end products of the waste-to-energy process are electricity and steam. The electricity generated from residual waste is fed into local energy grids or district heating systems. The high efficiency of these outlets ensures that the customer receives **recovery certificates** for each shipment that is consigned.

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Export of Residual Municipal Waste A Waste-to-Energy Approach



Our Service

Indaver in Ireland facilitates the export of residual waste in full compliance with waste and transport legislation to waste-to-energy facilities across Europe.

Value to the Customer

Our wrapping and baling service is competitive and can be tailored to a wide range of customer requirements. In general, Indaver covers all costs associated with wrapping, shipping and treatment including:

- **Wrapping:** acquiring, installing and commissioning the wrapping equipment, staff training, maintenance, consumables (netting and film)
- **Shipping:** handling and loading at the port, shipment costs, port fees, administration costs, transport at the destination port where necessary
- **Treatment:** treatment and operational costs at the treatment facility

In return the customer is provided with a competitive solution. However, these arrangements can be easily adjusted – and costs can be split - depending on how much the customer would like to be involved in the process.

“The bales have a firm structure, remaining strong & intact during transport.”

The Process



Baling

Optimal bale quality



Storage

Minimal handling



Transport

Efficient loading/delivery

“ The bales are manufactured to withstand the effects of loading and transport but are also easily managed by the receiving treatment facility. ”

Proven process

The waste is baled and wrapped at the customer's facility using Indaver's equipment or the customers own equipment.

In order to maintain the integrity of the bales for shipment and handling purposes, Indaver uses proven equipment, which produces round bales.

The waste is loaded into the baler where it is compressed and completely wrapped by several layers of netting. This ensures the bales have a firm structure, enabling easy handling and ensuring that they remain strong and intact during transport.

The bales are then wrapped using a thin, strong, flexible plastic film that is airtight and water resistant. Several layers of film are used to completely seal the bale. After wrapping, the lack of air inside the bale minimises decomposition, reducing odour and other nuisance issues.

When the process is complete, each bales weighs approximately 900kg and measures 1.25 – 1.35 m wide by 1.2 m high.



▶ **Loading at Port**
Full compliance



▶ **Shipping**
Optimised loads



▶ **Treatment**
Energy Recovery

Indaver arranges all necessary documentation to facilitate transport (TFS, bonding, chartering of ships)

Benefits of Transporting with Indaver

Indaver organises **all aspects** of shipping, including:

- arranging all necessary documentation to facilitate transport (TFS, bonding)
- arranging the stevedoring and operations at the port, engaging the shipping companies directly on all aspects of movement
- optimised loading of ships to reduce shipping costs per tonne and;
- we also coordinate with outlets the timing of each delivery to ensure a continuous service to both the customer and the outlet.

