



Annex VI: Danieli Environment

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Danieli Environment

Danieli Environment has been set up 20 years ago and was the first company in Israel to produce RDF from dry waste. The plant of Danieli Environment treats mainly industrial dry waste plus a small fraction of mixed plastic from the orange bin (around 20-40 t/m) from Tamir. Input waste (600 t/d) is sorted and directed either for export (recycling), to RDF, or on landfills:

- 200 t wood and green wood → sent to dairy farms for composting
- 450 t municipal waste → 50t recycling; exported to India, China, Taiwan (including PET, LDPE, high density PP); 200-250 t to RDF and the rest, around 150-200 t is sent to landfill

Currently Danieli Environment employs 70 workers. The objective of Danieli Environment is to recycle as much waste as possible, or to recover its calorific value through RDF. Only this year the sorting/preparation for recycling station for plastic waste was opened in order to sell it as secondary raw material instead of sending it to RDF.

Main problems identified

- Difficult market situation for recycling in Israel: low prices for virgin material, secondary raw material not competitive
- Lack of belief/commitment to recycling by both the government and the population
- Lack of recycling factories in Israel

Key recommendations

- Subsidy to recycling and recovery activities and to prevent landfill (for example through direct subsidy to each ton diverted to recycling or RDF in cement kilns)
- Economic incentive to recycling companies
- Investment in bringing new recycling technologies to Israel
- Fair distribution of incomes from landfill tax → support to recycling industries
- Open the market

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