Annex II: Green-Net Sorting Station

www.green-net.co.il

greennet
מחזור וטיפול בפסולת

Greennet is a waste sorting plant that is receiving and sorting waste from one million people in the Jerusalem area. It was opened in 2015 and is owned by the YSB group. The Greennet sorting plan is treating around 1500 t of household waste daily (6 d/w) and has an annual capacity of 400.000 t. Since currently barely any waste in Jerusalem gets collected separately, all household waste arrives in one residual waste stream at the Greennet sorting station.

Output fractions:

- Metal, non-ferrous, paper, cardboard, and plastic → recycling; 40-45 %
- Organic waste and mixed waste → landfill; 45-60 %

Type of plastics sold as secondary raw material:

- PP and high density PE
- PET

→ Export, mainly Turkey

Future plans and potential:
The household waste from Jerusalem consists by around 30 % of organic waste and by another 10 % of diapers, specificity due to the demographic composition of Jerusalem. Therefore, Greennet is planning to also build a recycling plant for nappies that will be able to recycle 30-40t of diapers per day.

If Greennet would receive the organic waste fraction and dry fraction separately, they could sort only around 500 t of dry waste per day, since the weight per cubic meter would be much lower (around half of the weight of cubic meter of MSW including organic waste).

Main problems identified

- High quantity of waste produced

Key recommendations

- There is no need to implement separate collection here because the technology is good enough to deal with the input as mixed waste. Separate collection would complicate the collection due to the narrow streets that don't allow for many bins.
- Don't copy European solutions 1-1 to Israel, they won't work. Adaptation to the local conditions and waste composition is key!

Contact person: Offer Bogin

CEO
26 Atarot St., Mail Box 47322, Jerusalem, Zip Code 9711400
Tel: +972-2-6503629
offer@green-net.co.il