Dan Region Association of Towns
“Hiriya” recycling park

Gali Feldboy-Klinger
Chief Engineer

03.17
Hiriya Dump Site—A Man Made Mountain
1952–1998

Height: 60 meters
Volume: 16 millions m³ of waste
Area: 450,000 m² (45 Hectare)
The first CDM Israeli Project approved by the UN according to “Kyoto” Protocol

- Biogas Collection system – 100 wells produce 1200 m³/hr.
- green energy to a Textile factory 3 km away
This special video, created by “Hiriya”, won the 1 prize in an international contest by the UN.
• Reduce landfilling
• Waste sorting
• Facilities Collaboration
• Operational Flexibility

Our vision
Making a Difference by Leading to an Environmental and Social Transformation

Hiriya Recycling Park

- **Transfer Station:**
  - 6 biggest municipalities in the center of Israel.
  - 30 smaller municipalities and constructors
- **1,500,000 Residents**
- 3,000 Tons/day
- 1,000,000 Tons/year
- 1200 Trucks/day
400 tons/Day

- Israeli Technology
- Dry & Wet Separation
- Anaerobic Digestion
C & D Recycling

1,500 Tons/day

- Separation & Grinding
- Metal & Wood Recycling
- Aggregates for Re-Use
- Landfill Slope Stabilization (Past)
Green Waste Facility

250 Tons/Day

- Recycables
- Compost
- Steam Production
R.D.F facility

1,500 tons/day MSW
- Sorting and Separating
- Producing 500 tons RDF per day
- Green energy for cement industry.
The outputs:

- **RDF:** 35–30%
- **Organics:** 25–30%
- **Metals & Recyclables:** 10–15%
- **Residues:** 20–30%
R.D.F facility
Basic scheme

- Tracks unloading platform
- Pit and grinders / nylon bags opener
- Drum filters by size
- Air sorting by weight
- Manual sorting
- Shredders of the final product
- Metals detector and separator
- By-products – storage in containers
- Infra-red sorter – separates PVC
- RDF – final product
- Paper machines and recycling packages bale
- RDF facility
- Basic scheme
In Design...

**MRF facility**
- Sorting and separation according to components
- Transportation to follow treatment in end facilities
**2025 Strategic Plan**

- **Total Annual 1,200,000 T**

  - **Green waste** 120,000 T
  - **RDF** 540,000 T
  - **Arrow bio** 120,000 T
  - **MRF** 420,000 T

**C&D**
- **Daily 1,500 T**
- **Annual 500,000 T**

*Thermal Treatment for residues*
Thank you...