Materials Recycling Facilities

What goes in
- Paper
- Cardboard
- Plastics
- Glass
- Aluminium cans
- Steel cans

What comes out
- Co-mingled or source separated recyclable materials, ready to be made into recycled products
SUEZ’s Materials Recycling Facilities (MRF’s) use the latest in technology to maximise the recovery of recyclables from waste.

MRF’s are like giant factories where the recyclable materials collected from homes and business are taken to be sorted into different types, or ‘streams’. The separated waste products are then transported to manufacturers for reprocessing into new products: everything from packaging and paper products through to road base, outdoor furniture, bike parts and appliances.

From waste to resource:
1. **Loading**: The waste is fed into the process through a conveyor.
2. **Pre-sort**: Bulky and non-recyclable wastes is pre-sorted and extracted from the waste flow.
3. **Screening**: Using shape selection screening, glass, 3D objects (containers) and 2D objects (paper and cardboard) are separated for further process.
4. **Glass processing**: Glass is separated by size and sent to glass recyclers or road builders.
5. **Paper and cardboard processing**: Paper and cardboard are sorted into high quality valuable streams.
6. **Aluminium processing**: An Eddy Current selectively extracts all aluminium cans.
7. **Plastic processing**: High quality plastic streams (HDPE, PET, PPE) are sorted from the waste stream to be returned into the market.
8. **Steel processing**: Electromagnets capture all steel materials from the process.
9. **Baling and transport**: The processed and sorted material streams are baled to improve transport efficiency.

The technology and design depicted in this illustration is representative only and is not an exact replica of a SUEZ facility.