

TECHNOLOGY FOR A SUSTAINABLE TOMORROW



FOCUS

VECOPLAN PLANT CONSTRUCTION

COMPETENCE FOR  
WASTE SORTING AND RECOVERY

**Vecoplan**<sup>®</sup>

# PERFORMANCE AND QUALITY AT THE HIGHEST LEVEL

PLASTIC CONTAINER



NON-FERROUS



PLASTIC FILM



MIXED PAPER



Vecoplan delivers waste sorting and recovery systems tailored to meet the specific needs of your particular Material Recovery Facility (MRF). All MRFs are alike and every MRF is different. However, all MRFs share two goals.

- To make money by recovering commodities from waste
- Reduce the volume of waste that is land filled.

After that MRFs can vary widely. Individual MRFs face specific challenges and have specific needs. Vecoplan ensures that the two goals of maximizing profits and minimizing land filling are achieved by paying attention to the specific challenges and needs of individual MRFs. By listening to the customer and building the system around their needs rather than trying to simply provide them a boilerplate system, Vecoplan is able to achieve unsurpassed results.





Vecoplan has experience building systems equipped to handle the challenges faced by MRFs that are both practical and political. Vecoplan also has experience in creating systems for evolving waste streams. Over the years there have been Dual Stream, Single Stream, and Mixed Waste or "One-Bin" Recycling MRFs. Vecoplan has the experience in helping the end users decipher which approach will yield the best immediate results as well as what system dynamics will allow for flexibility to "bend with the stream" that is feeding it. In addition to processing the material in the primary lines for recovery, Vecoplan's exposure to back-end technologies such as Anaerobic Digestion (AD), Refuse Derived Fuel (RDF) or Waste-To-Energy (WTE) systems allow operators the ability to recover more from the otherwise unused materials in their waste streams. Vecoplan engineers system solutions that meet the needs of all types of MRFs. The equipment included in Vecoplan systems is determined by the composition of the waste feeding into the system, how it is delivered and the specifications required on the material that feeds out. Machinery and technologies available from Vecoplan for MRFs includes:

Transfer:

- Walking Floors
- Roller Chains
- Metering Drums
- Metering Wheels
- Flat belt
- Trough belt
- Paddle Chains

Sizing:

- Multi Deck Screens
- Finger Screens
- OCC screens
- Ballistic Screens
- Disc Screens
- Star Screens
- Polishing Screens

Baling:

- Pre-Press Horizontal
- Open Door Auto-tie
- Closed Door Baler
- 2 Ram Baler
- RDF Baler (for residue)
- Bale Wrapping Unit
- Bale Un-wrapping Unit

Material Separation Components:

FE Removal:

- Overbelt/Crossbelt
- Drum Magnets
- ND („Rare Earth“)
- Electromagnets

Non-FE Removal:

- Eddy Currents
- Inductive Sorters
- Red Iron
- XRF

Specialty Sorting:

- Multiplexor NIR
- Camera NIR (LD/HD)
- Density Separation
- Air Classifiers



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