

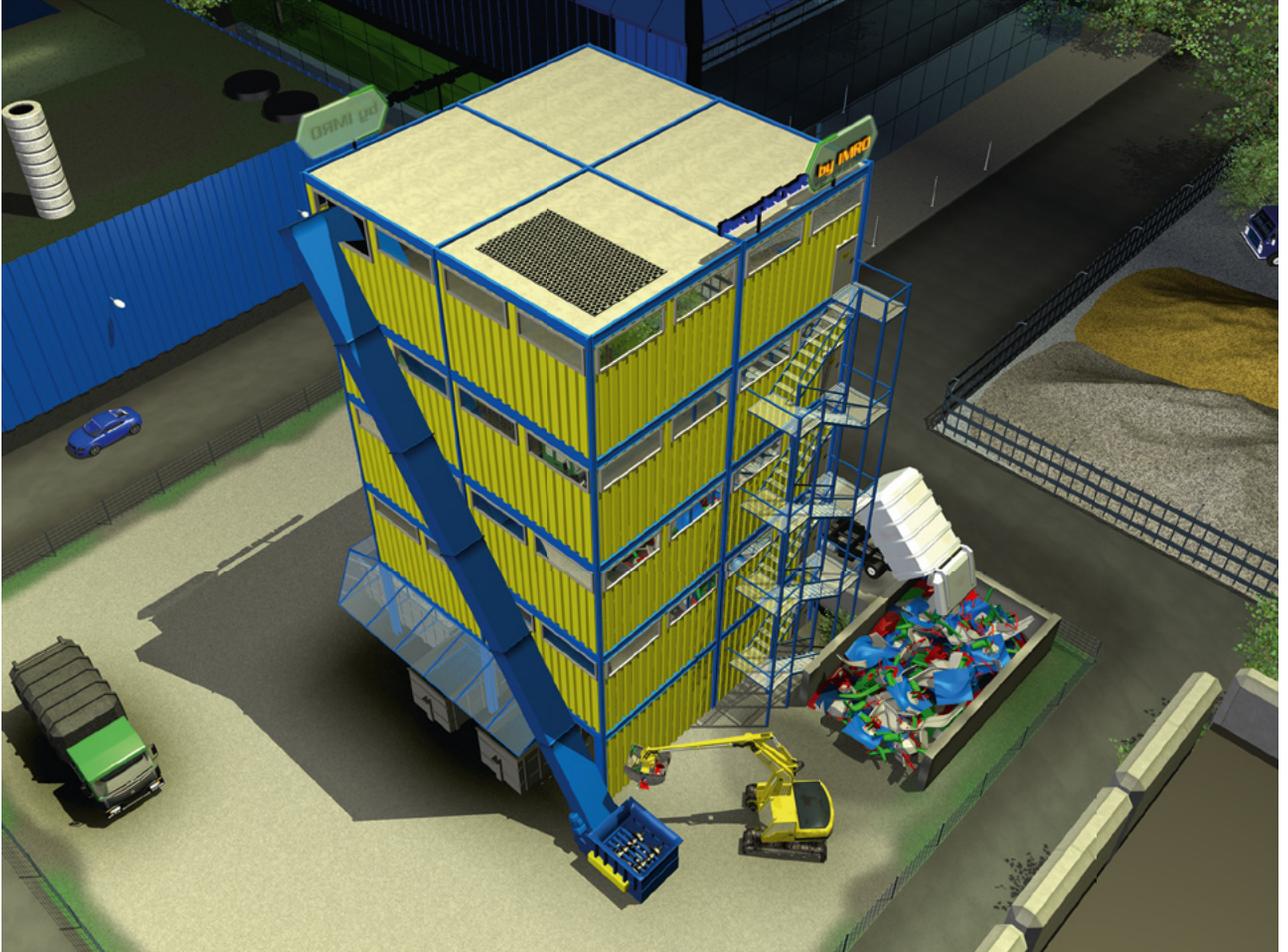
# IMRO Recycling Plants



**IMRO RecycleTower**

**Recycle Craft<sup>®</sup> by IMRO**

## The IMRO RecycleTower - The complete vertical recycling solution



The IMRO Recycle Tower is a revolutionary recycling system of stacked recycling equipment carrying out a range of tasks and processes. This is an extremely economical and space-saving system delivering best results and maximum recovery. Between the separating and conveying stages material flow is transported in chute systems by gravity to the next step. Separated material automatically falls into containers below.

**IMRO Innovations - The Key to Future Recycling**

**RecycleTower<sup>®</sup> by IMRO**



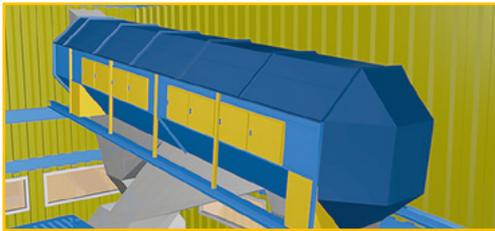
## We will get your recycling processes off the ground

In recent years not only has awareness of the value of secondary raw materials increased significantly, but so have the challenges involved. Our response to this is the space-saving solution, the IMRO RecycleTower. A module system set up to meet individual requirements.



### Ground level

The primary shredder is at level  $\pm 0$ . This shredder chops the waste to fractions of approx. 200 mm. Elevating equipment transports the shredded material to the top of the RecycleTower, where the first screening stage takes place.



### Screening drum level

The material flow is separated here by screening drums into the fraction sizes needed for the next process. The screened fractions are transported by slides to the next machines.



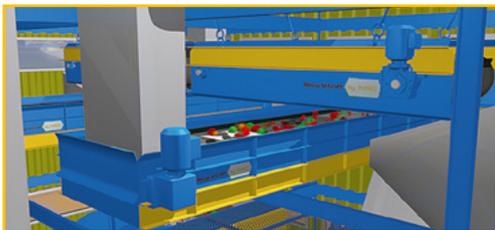
### Separation level 1

After screening, the material is separated into light and heavy fractions in the Vertical Air Classifier. Next, the material flow is separated into two streams, ferrous and non-ferrous.



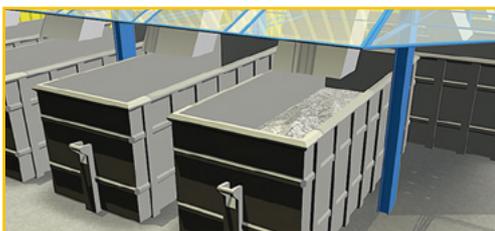
### Separation level 2

Sensor-based separation equipment frees the material of impurities or reclaims valuable materials.



### Secondary shredder level

The final fraction size is achieved by the secondary shredder. Then a further magnet separation can occur. The separated fractions (metals, plastics, impurities, etc.) which do not undergo any other processing have already been transported after the first screening stage to storage level.



### Storage level

The secondary shredded material is distributed evenly into the storage level. The reclaimed materials are held here until transported away.

## A flexible module system - The single components of the RecycleTower

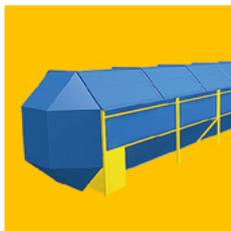
At IMRO, the development of systems and equipment in terms of increasing profitability and exceeding our customers' expectations is the ultimate measure of all things.

- ◆ **Primary shredder and elevating equipment**



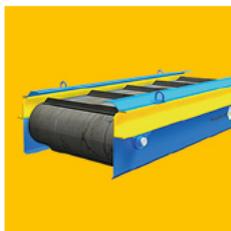
- ◆ **Non-ferrous separator**

- ◆ **Screening drum**



- ◆ **Sensor-based separator**

- ◆ **Ferrous separator**



- ◆ **Secondary shredder**

- ◆ **Air separator**



- ◆ **Transport container**

- ◆ **Conveyor systems**



When it comes to setting up and operating recycling plants, only custom-fit solutions are the answer. We will provide them for you.



**Recycling plants**

## Performance without loss - The mobile IMRO RecycleTower

This system is a concept which quickly achieves high performance in our plants and cost-savings at the same time. Not to mention substantial energy savings. Seen from the growing recycling needs at national, state and local level, the IMRO Recycle Tower is a viable option providing flexibility and mobility. It ensures efficient alternatives to restoring and renaturalising landfills.

This compact solution perfects all of the processes. Built as modules, they are resizable and custom-fit for renaturalising landfills. They come from the same mould and the same source. In this way recycling materials comes close to completely financing landfill restoration.



- **All interfaces and components within the RecycleTowers are generally provided by IMRO**
- **Efficient, since hardly any conveyor technology is used**
- **Use of gravitation**





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## IMRO TEST CENTRE

### Over 25 Years' Experience in Recycling

Technology always fulfils demands. Would you like to know which valuable materials and impurities are contained in your material flow? Then bring it along and have it analysed in our IMRO Test Centre. Our 25 years' expertise and experience in the recycling industry guarantees we will optimise your recycling processes.

Equipped with cutting-edge technology, IMRO Test Centre staff makes sure you are taking the first step in achieving maximum economy and value recovery. Let us demonstrate the performance and the coordinated interaction between all of the IMRO separator machinery.

Your advantage: Fast results and efficient plants and equipment, plus added value and immediate profitability in all recycling processes.

**IMRO increases your recycling output - IMRO the Interface Specialist**



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RecycleCraft® by IMRO

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Maximum recovery of recyclable materials - IMRO - Europe's conveying and sorting experts