

TURN-KEY  
AUTOMATIC

# WASTE SORTING PLANTS

THE POWER OF  
RECYCLING



[www.benli.com.tr](http://www.benli.com.tr)

**benli**  
RECYCLING  
TECHNOLOGIES

A graphic in the top right corner consisting of two green arrows. The top arrow points left, and the bottom arrow points right, with a curved line connecting their ends to form a partial loop.

**MAKE YOUR  
INVESTMENT IN THE  
RIGHT PLANT WITH  
THE RIGHT  
PROCESS  
ENGINEERING**



# MAXIMISE YOUR RETURN OF INVESTMENT WITH 55+ YEARS OF WASTE MANAGEMENT EXPERIENCE



**Benli offers integrated and tailor-made solutions with its experienced squad of solid waste management experts.**

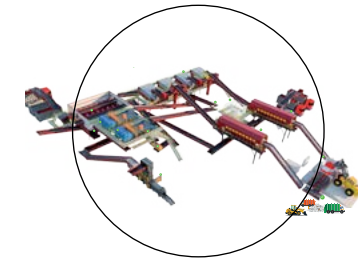
Benli continues its activities by employing more than 250 people in 6 production centers in 2 different countries with a total area of more than 50.000m<sup>2</sup>.

Benli operates in the fields of solid waste management services, wooden pallet recycling, EPDM rubber recycling, end-of-life tire recycling, turn-key solid waste sorting plant contracting, and the manufacturing of individual sorting equipment.

Thanks to its modern facilities and expert team, Benli, which focuses on customer satisfaction, quality service, and sustainability, has also brought an innovative perspective to the sector with the machines, systems, and processes it has developed by closely following the developments in the waste management sector globally.



**6** Manufacturing Centres  
in  
**2** Countries



Process Guarantee



Performance Guarantee



Availability

**We stand with you in all processes of Waste Sorting Plants.**



## MUNICIPAL AND INDUSTRIAL SOLID WASTE MANAGEMENT SYSTEMS

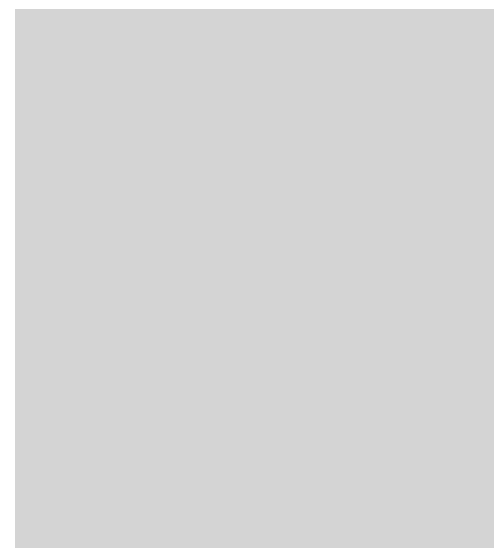
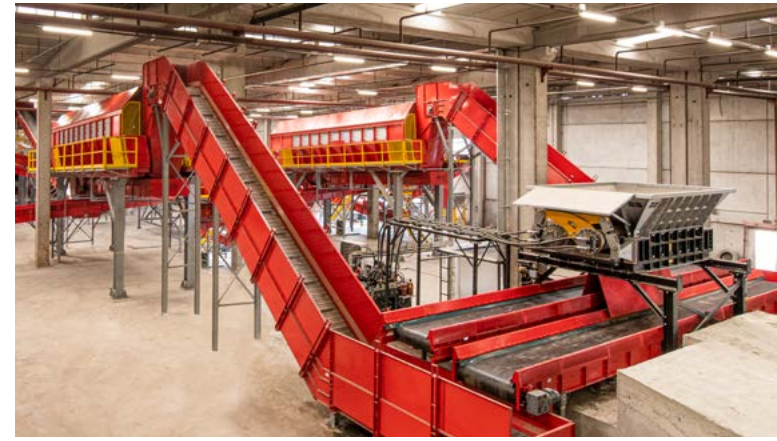
With more than half a century of our experience; we increase the value of your investment with services such as engineering, design, planning, production, commissioning, guarantee and long-term supervision for waste sorting plants, one of the rising investment areas.

- Municipal Solid Waste
- PET / Mixed Plastic Waste
- Lightweight Packaging Waste
- RDF / SRF Preparation
- Waste to Energy

# WE DON'T JUST OFFER A WASTE SORTING PLANT, WE ALSO OFFER OUR 55+ YEARS OF WASTE MANAGEMENT EXPERIENCE

Benli integrates over 55 years of experience in the waste and recycling sector into the facilities it builds for clients in Türkiye and around the world. Benli offers unique facility construction solutions for the sorting of municipal solid waste, plastic waste, packaging waste, and industrial waste, as well as the preparation

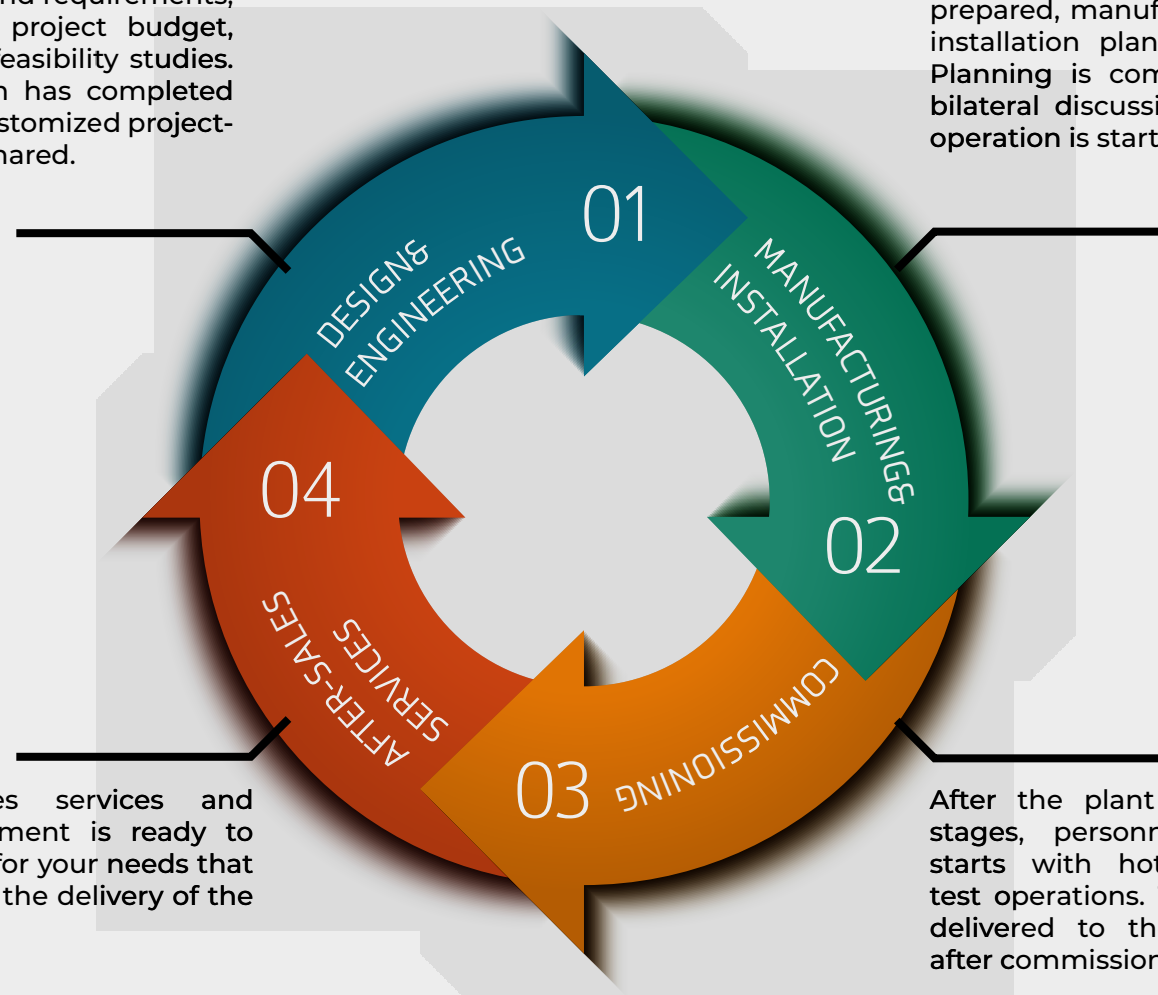
of SRF/RDF. With its waste management experience, advanced process engineering, design capabilities, performance and availability guarantees, and dynamic after-sales services, Benli provides turn-key solutions that meet the needs of the recycling sector from a single source.



# MAKE YOUR INVESTMENT IN THE RIGHT PLANT WITH THE RIGHT PROCESS ENGINEERING

Your needs are thoroughly assessed. Our design and engineering team prepares an optimized plant design tailored to your needs and requirements, calculates the project budget, and conducts feasibility studies. Once our team has completed their work, a customized project-based offer is shared.

Our after-sales services and project department is ready to offer solutions for your needs that may arise after the delivery of the plant.



Following the project confirmation after the correct process and budget plans are prepared, manufacturing and installation plans are made. Planning is completed after bilateral discussions and the operation is started.

After the plant installation stages, personnel training starts with hot and cold test operations. The plant is delivered to the customer after commissioning.



Benli integrates 55+ years of experience in the waste and recycling sector into the plants it builds for its customers in Türkiye and around the world. Benli offers unique plant-building solutions for sorting municipal solid waste, plastic waste, packaging waste, industrial waste, and RDF preparation. Thanks to its waste management experience, advanced process engineering, design capabilities, performance and availability guarantees, and dynamic after-sales services, Benli provides turn-key solutions that will meet the needs of the recycling industry from a single source.

TURN-KEY  
AUTOMATIC

# MIXED PLASTIC SORTING PLANT

PET AND PLASTIC PACKAGING WASTES SORTED IN THE PLANTS ARE SORTED BASED ON RAW MATERIAL TYPE AND COLOR, AND PREPARED FOR REUSE AS RAW MATERIALS



## THE POWER OF RECYCLING



**1**  
**AUTOMATIC CONTROL  
(SCADA) ROOM**



**2**  
**BALE RECEPTION  
AREA**



**3**  
**BALE OPENER**



**4**  
**BALLISTIC  
SEPARATOR**



**5**  
**MAGNETIC  
SEPARATOR**



**6**  
**OPTICAL SORTER 1  
(PET/PP)**



**7**  
**OPTICAL SORTER 2  
(HDPE / HDPE&PET&PP)**



**8**  
**OPTICAL SEPARA-  
TOR 3 (PET [COLORED;  
CLEAR&LIGHT BLUE;  
NONPET] / HDPE [COLOR-  
ED; CLEAR&WHITE; NON-  
HDPE])**



**9**  
**AUTONOMOUS  
QUALITY CONTROL  
ROBOT**



**10**  
**QUALITY CONTROL  
CABIN**



**11**  
**AUTOMATIC  
BUNKERS**



**12**  
**HORIZONTAL  
BALE PRESS**



MAKE YOUR INVESTMENT  
IN THE RIGHT PLANT WITH  
THE RIGHT PROCESS  
ENGINEERING

Two large, thick green arrows are positioned in the top right corner. One arrow points to the left, and the other points to the right, with a slight curve between them.

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**55+ YEARS OF WASTE  
MANAGEMENT  
EXPERIENCE**





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