

# WASTE RECOVERY AND RECYCLING

TURNKEY INSTALLATION, TECHNICAL EXPERTISE,  
ENGINEERING, DESIGN, MANUFACTURING, SERVICES  
AND AFTER SALES SERVICES

[www.alfyma.fr](http://www.alfyma.fr)



**ALFYMA**  
RECYCLING

*Increasing waste valuation*



## AFTER SALES SERVICE



## SPARE PARTS SUPPLY

# WHO ARE WE

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**CUSTOMER SATISFACTION IS THE TOP PRIORITY OF THE ALFYMA TEAM**

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Engineering, and complete turnkey Recycling solutions, Alfyma has developed his business in the waste recycling market.

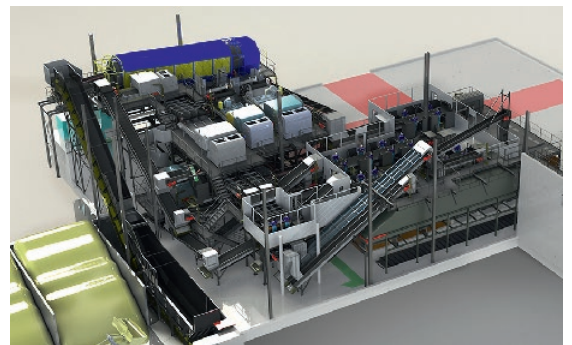
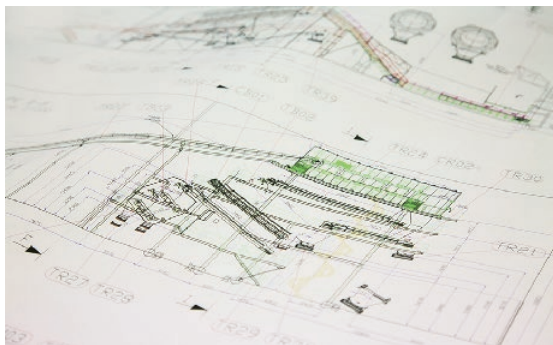
Thanks to our knowledge and strong reputation in After Sales support for many years, our well designed solutions perfectly meet your expectations.

We want, with the support of our factories, to design solutions fulfilling your needs and helping you to recycle waste with optimize costs..

This brochure will give you an overview of our solutions. Also, our engineers and sales representatives are at your disposal for any advice or technical support related to your installations.

## **FORTY YEARS OF EXPERIENCE AT THE SERVICE OF THE INDUSTRY**

Over the decades, Alfyma's engineers innovate, design and update today and tomorrow's industrial solutions in compliance with environmental standards. Recycling and treatment of MSW, E-scrap, metal scraps, bottom ash, organic waste..., Alfyma is your reference partner in the recycling industry and the reduction of landfill.



# OUR SOLUTIONS

THANK TO OUR KNOWLEDGE, WE OFFER A WIDE RANGE OF PRODUCTS FOR THE RECYCLING INDUSTRY. WITH SEVERAL PATENTS, ALFYMA RECYCLING DEVELOPS CONTINUOUSLY NEW SOLUTIONS IN ORDER TO INCREASE RECYCLING FOR OUR CUSTOMERS.

## CONVEYORS



We have developed a specific and original design to guarantee a good sealing and optimize transport capacity. Our conveyors are designed with standardized and quality materials (rollers, bearings, belts) and with a long service life. The design is modular and they are available in galvanized or painted steel.

## SHREDDER



e.g. shredder of 1000 horse power. Designed and installed by Alfyma, this type of shredder increase the production to 50 t/h of metal scraps with a densite over 1. Different facilities has been fully updated by Alfyma with a new line of shredder.

## TROMMEL/DRUM

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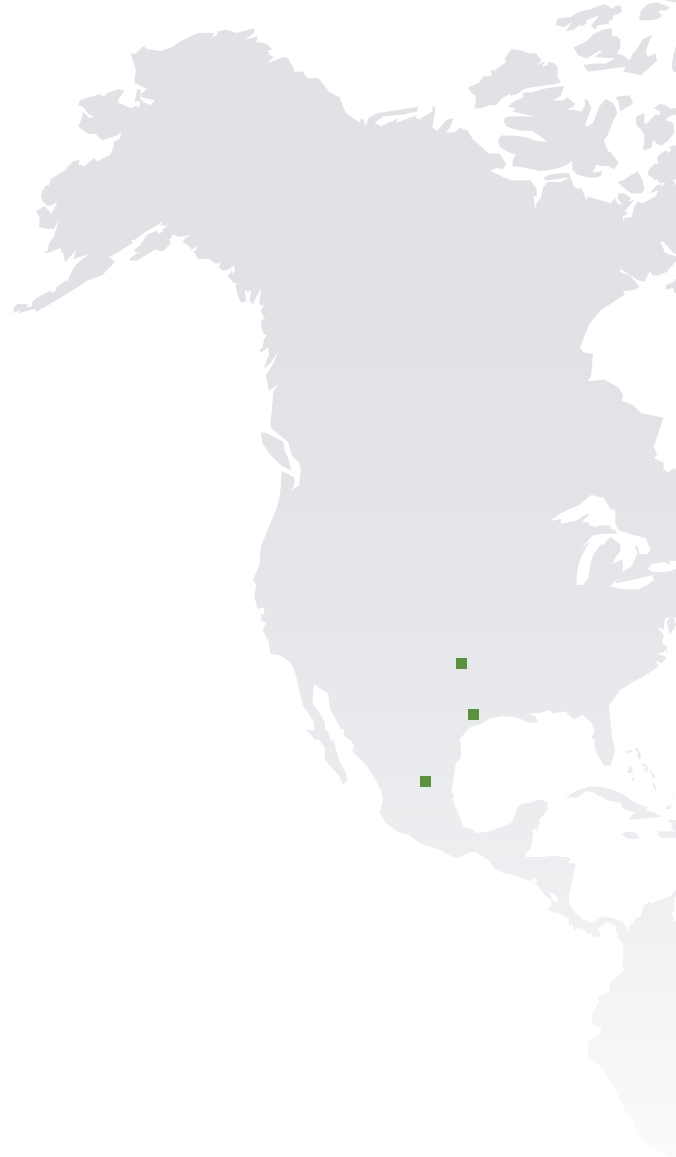
The choice of a trommel is defined by our engineers, depending on the nature of the products to be treated, the flow and the sorting process. Our range of rotary trommel or drum screen is available in different diameters and lengths according to your needs. Alfyma realize and install trommel among the biggest in Europe which can process MSW or up to 40,000 tons of PET plastic bottles per year.

## FEEDING CONVEYOR

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Our range of feeding conveyors and hoppers makes it possible to regulate perfectly the input flow in our installations. We offer different hopper technologies that, depending on weight, volume, density and stored material, fit your needs. This help to increase efficiency and purity during the sorting steps.



## MECATEL

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Alfyma produces Hi-Tech MSW plants with the latest technologies in composting and anaerobic digestion for the treatment of MSW.

The acquisition of Mecatel's know-how in the design and production of pre-fermentation tubes (BRS) enables Alfyma to consolidate its expertise. Now we can offer fully optimized facilities with high throughput, productivity, durability and safety.

Alfyma offers you the best technology for MBT (Mechanical and Biological Treatment and sorting).

## PREFERMENTATION TUBE

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Reduction of pollution, compliance with environmental standards, production of compost, preparation of SRF (solid recovered fuels), high recovery targets ... the treatment of household waste is a major issue.

The BRS is a rotary tube in which an aerobic pre-fermentation of MSW is carried out in order to transform them, after refining, into compost.

The process of transformation of the organic matter is exothermic. Inside the bioreactor is therefore a warm, moist, well-oxygenated medium filled with microorganisms favorable to decomposition. The transformation of organic matter into compost begins as soon as it is introduced into the BRS. The microorganisms develop very rapidly until the thermophilic phase where the temperature rises and triggers the pre-fermentation step (under oxygen). Odors are captured as soon as they are emitted, and then sent to a deodorizing unit. A patented device, installed at the exit of BRS Drum, allows to manage easily the unloading.



# OUR REFERENCES

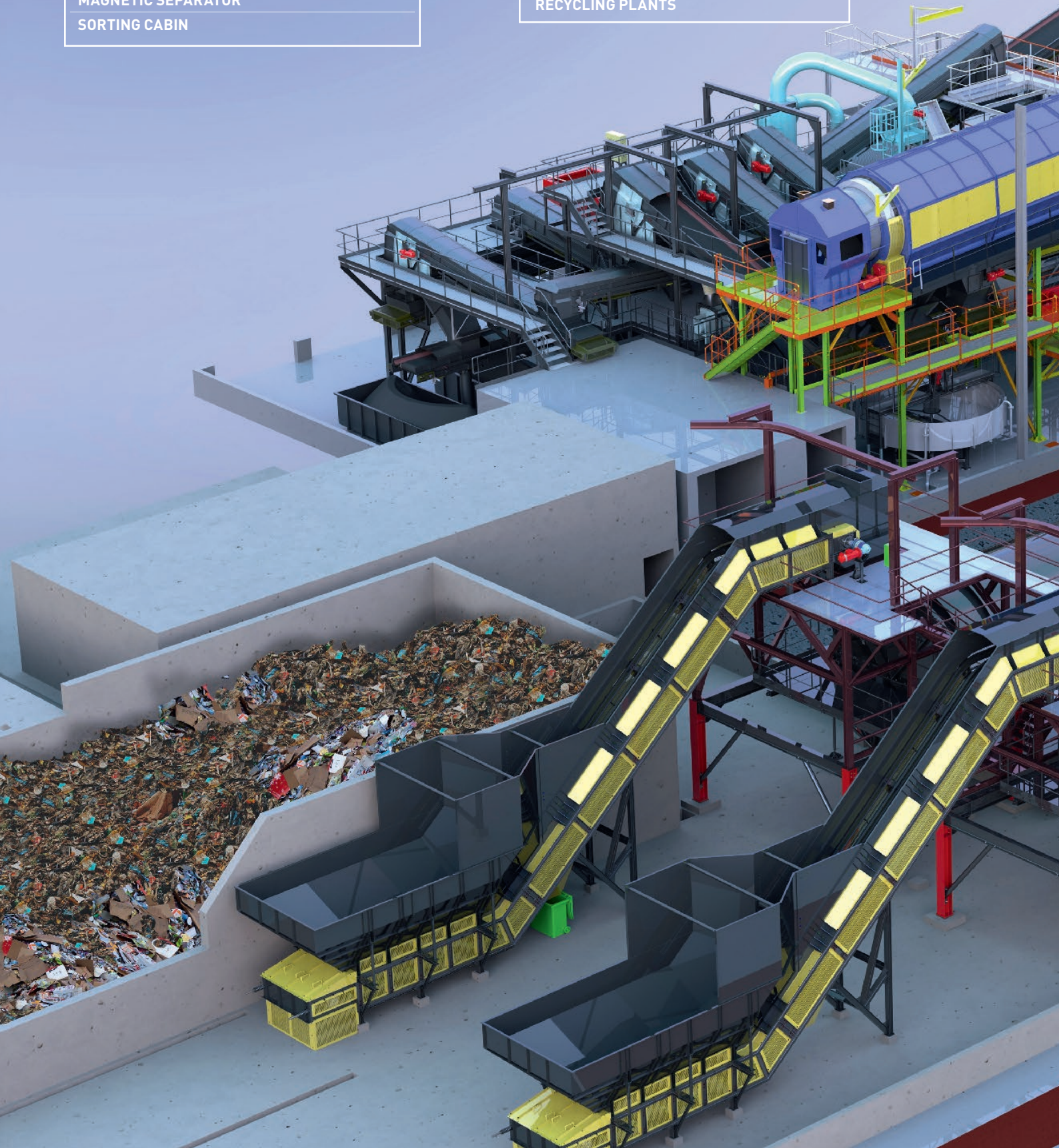


# OUR PRODUCTS

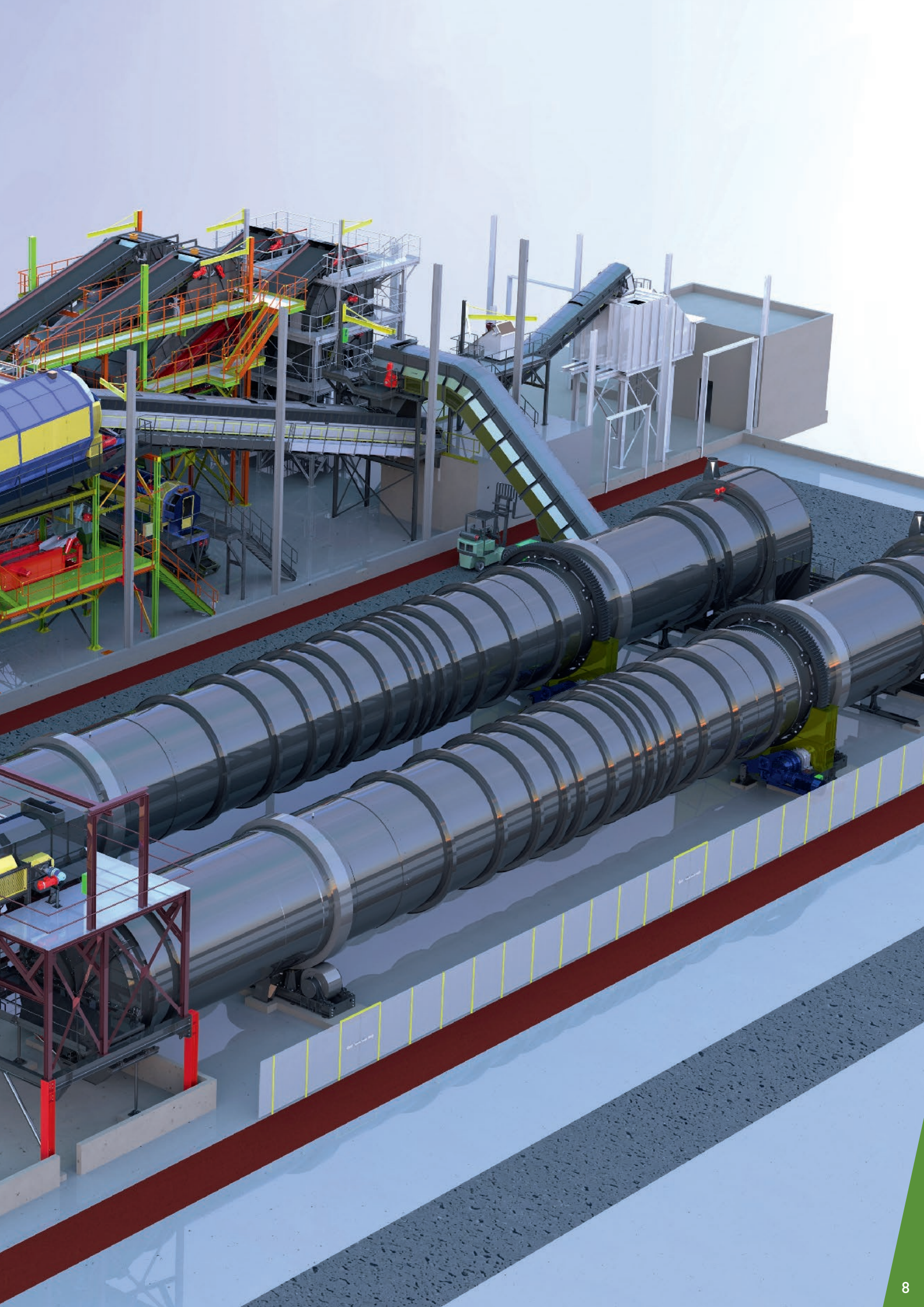
FEEDING CONVEYOR  
PREFERMENTATION TUBE  
CONVEYOR BELT  
TROMMELS  
BALISTIC SEPARATOR  
SHREDDER  
MAGNETIC SEPARATOR  
SORTING CABIN

# OUR APPLICATIONS

MUNICIPAL SOLID WASTE  
SOURCE SELECTIVE COLLECTION  
(PACKAGING, MIX PAPER CARDBOARD)  
WEEE  
BOTTOM ASHES  
METAL SCRAPS  
TIRESPAPERS / PLASTICS  
RECYCLING PLANTS







# ASSISTANCE, EXPERTISE & TECHNICAL ADVICE

THANKS TO OUR NETWORK FRANCE, WE CAN OFFER A TEAM OF TECHNICIAN AND ENGINEER WHO CAN HELP YOU AT THE PRE-PROJECT STAGE (CALCULATION OF THE WORK RATE AND FACILITIES CAPACITIES). OUR TECHNICIANS RECEIVE ONGOING TRAINING TO TAKE FULL ADVANTAGE OF OUR PRODUCTS.

## CONSULTING AND DESIGN

Our engineers are at your disposal to assist you in the study of the construction or optimization of your productivity by offering you complete solutions. Alfyma has a large in-house design office that integrates and designs all types of machines and infrastructure.

## MANUFACTURING AND INSTALLATION

Our qualified and experienced teams ensure the manufacturing and installation of your plant in a competitive timeframe depending on your needs. Our experience in the field allows us to ensure you a service tailored to meet the new safety requirements.

## AUTOMATION AND ELECTRICITY

Our team supports you in the design and realization of your project in industrial electricity and automation: functional analysis, electrical diagram, PLC programming, operator interface and supervision.

## ADAPTATION

Alfyma can also adapt an existing production line to new parameters, while improving its efficiency, safety and reliability (whether or not Alfyma has designed and manufactured these facilities).

## COMMISSIONING

Our teams ensure the commissioning of your installation according to your specifications. Our contracts guarantee results and serenity.

## MAINTENANCE

The priority of Alfyma is to do everything possible to keep your productivity on the top and to minimize the downtime of your operation. Our technicians are available 24 hours a day, seven days a week; we can react in a few hours to ensure the maintenance and/or repair of your installations.



## MAINTENANCE CONTRACT

Our after sales service can offer preventive or curative maintenance of your installation. The maintenance performed by our teams includes several steps:

1

Definition of your upstream needs by our design office

2

Intervention on your site

3

Drafting of a report following the intervention

4

Establishment of a CMMS, possible as a permanent maintenance contract

# OUR AGENCIES IN FRANCE AND ABROAD



## NORTH-WEST

### Argentan – Urou-et-Crennes

Orne  
Tel. +33 (0) 2 33 67 80 60

### Cholet – Le Tessoualle

Maine-et-Loire  
Tel. +33 (0) 2 41 56 45 47

### Lorient – Rédéné

Finistère  
Tel. +33 (0) 2 98 96 39 39

### Nantes – Vigneux de Bretagne

Loire-Atlantique  
Tel. +33 (0) 2 40 92 16 00

### Rennes – Domloup

Ille-et-Vilaine  
Tel. +33 (0) 2 99 37 58 50



## SOUTH-WEST

### Bordeaux – Cadaujac

Gironde  
Tel. +33 (0) 5 56 06 10 07



## PARIS REGION NORTH-EAST

### Versailles – Plaisir

Yvelines  
Tel. +33 (0) 1 30 54 23 61

### Evreux – Fontaine-Bellenger

Eure  
Tel. +33 (0) 2 32 77 76 81

### Amiens – Croixrault

Somme  
Tel. +33 (0) 3 22 89 19 01

### Compiègne – Verberie

Oise  
Tel. +33 (0) 3 44 40 99 56

### Strasbourg – Fegersheim

Bas-Rhin  
Tel. +33 (0) 3 88 37 39 79

## RECYCLING CENTER

### Bailly-Romainvilliers

Marne-la-Vallée  
Seine-et-Marne  
Tel. +33 (0) 1 60 04 21 28



## SOUTH-EAST

### Lyon – Pont-Evêque

Rhône  
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## CENTER

### Orléans – Artenay

Loiret  
Tel. +33 (0) 2 38 56 02 46

### Sens – Saint-Valérien

Yonne  
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## SOUTH EUROPE

### Barcelos – Porto

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