



Recycling industry

New European directives to reduce the amount of waste being put into landfill sites, and the growing scarcity of such sites, is driving up the market for recycling centers. At the same time, public awareness of the problem and the ability of many industries to use recycled materials, are growing.



This 2,070 m² AZM1 building was built in 2000 for a paper and plastics recycling company. Located in Ede (NL), it also incorporates the company's office facilities.

After being cleaned of toxic or foreign materials and cleaned of ink, waste paper is transformed into a paste by the addition of water mixed with wood sub-products. It then ends up in a traditional paper processing machine.

Plastic garbage initially is sorted to avoid mixing too many different materials. The plastics are subsequently recycled for re-use of the basic materials: either they are directly recast, or first reduced to flakes and subsequently transformed into containers, such as plastic bottles, barrels, buckets, Big Bags, etc.

The specific needs of such buildings vary, but normally include the following requirements:

- thermal insulation is used where heating for the recycling process is required,
- acoustical insulation is normally required in glass recycling wherein the breaking up and grinding of glass is a very noisy procedure,
- corrosion protection is needed when the process emits aggressive vapors or moisture.

In such cases, a careful choice of roof and wall systems, as well as the paint finishes or galvanization of the structure, is essential.



Technical details:

Construction year:	2000
Type:	AZM1
Dimensions:	55 m x 38 m
Surface:	2,070 m ²
Roof slope:	6 %
Roof system:	PR
Wall system:	PA

General information:

Builder:	Habu Bouwsystemen BV
Customer:	Pietje Papier Recycling

Advantages for the customer:

- Large spans
- High quality coatings
- One-source supply
- Fast completion of the project
- Flexibility of internal layouts
- Good price/quality ratio
- Excellent quality
- ISO 9001 - Certification

A glance at some more references



This plant, with a total surface area of approximately 3,500 m², was built in Konin (Poland) in 2001 by ASTRON Builder Wielkopolske.

Type: AZM2 Span: 30m
The steel structure is galvanized.



Four different buildings, giving a total area of 6,700 m², make up this garbage treatment center in Champagne s/Oise (F). Built in 1997, it is used for the separation of garbage, including pre-treatment for recycling, a composting hall and an administration building shown above. There is a maximum clear span of 34m. Roof panels are coated inside with a non-condensation product, while the primary framing is hot-dipped galvanized.



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