



#### Design arguments

Since 01 June 2005 in Germany no more refuse may be stored at landfills untreated. The result of this is that large quantities of industrial waste must undergo waste treatment. There are two different processing methods for this:

- recovery of recyclable materials
- recovery of refuse-derived fuels

In this plant, mixed industrial waste is sorted according to recyclable materials with a high degree of automation. In our opinion this is forward-looking, as the recovery of recyclable materials is the more economic processing method, and the markets for recyclable materials are growing.



# STADLER®

## Products for tomorrow's world

#### STADLER® UK Ltd.

Stoke House, Church Road, Ashford  
Kent TN23 1RD  
Phone: +44 (0) 1173 702 701  
Fax: +44 (0) 1275 399 153  
Mobil.: +44 (0) 7974 339 980  
Contact: Trevor Smart  
UK Sales-Manager  
trevor.smart@stadler-engineering.com  
www.stadler-engineering.com

#### DKSH Australia Pty. Ltd.

14-17 Dansu Court Hallam VIC 3803  
Tel: +61 3 9554 6666  
Fax: +61 3 9554 6677  
sales.ets@dksh.com  
www.resourcerecovery.com.au

#### Head office Germany

STADLER® Anlagenbau GmbH  
Robert-Bosch-Straße 4  
88361 Altshausen  
Phone: +49 7584 9226-60  
Fax: +49 7584 9226-69  
info@w-stadler.de  
www.w-stadler.de

#### Innovation

Our product developers have proven their technical expertise and capacity for innovation time and again. STADLER® has received several innovation awards for intelligent sorting solutions. True service only begins when the current project has been delivered; with strong support and service back up. We react quickly and reliably and carry out repairs in record time so that your downtimes are kept to a minimum. Service from STADLER® is based on your operational requirements. For this reason, STADLER® is the right partner for you. Call us – we will provide you with all the information you need for your project.

#### STADLER® AMERICA LLC

P.O. Box 910  
Colfax, NC 27235  
Phone: +1 336 497 4572  
Contact: Mat Everhart  
meverhart@w-stadler.com  
www.w-stadler.com



# STADLER®

## Engineering at its best



## Industrial waste sorting plant



In this plant, mixed industrial waste is sorted according to recyclable materials with a high degree of automation.

Valuable substance fractions: FE, NE, PE, PET, PP, films, paper, cardboard, wood, minerals, refuse-derived fuels

**STADLER®**



**STADLER®**

#### Description of the plant

Industrial waste usually contains a very high proportion of recyclable materials such as PE, PP, PET, wood, paper, films, NE and FE, which are separated by mechanical sorting. Polymers, paper or films are subsequently inspected at manual sorting stations for quality optimisation. It is therefore possible to easily market the individual fractions. From the remaining residue, refuse-derived fuels are positively extracted from the material flow via near infra-red technology to be marketed separately.

The design of this plant enables the plant operator to react quickly and flexibly to possible changes in the market. It is capable at all times of processing other input materials, such as lightweight packaging materials or mixed building site waste. The quantity of refuse-derived fuel production can be adapted to the requirements of the operator at all times. The plastic fractions produced by means of near infra-red equipment can be varied.

From an economic point of view and from the point of view of the recyclability of the products, we currently recommend an industrial waste sorting plant which recovers recyclable products as the first priority + RDF as the second priority.

Just contact us!



Screening drum