

STADLER® is successful in being able to offer, after detailed analysis and research, a concept for the use of solid waste or special selective solid waste in the range of refused derived fuels treatment. Therefore high-performance machines are designed, that shred the solid waste in order to obtain an ideal final product for the fuel industry. The development and implementation of modern burning systems for fossil fuels and biomass and the possibility of the energetic use of solid waste increase the production of the recovered fuel derived of solid waste. The company STADLER® was pioneer in this field.

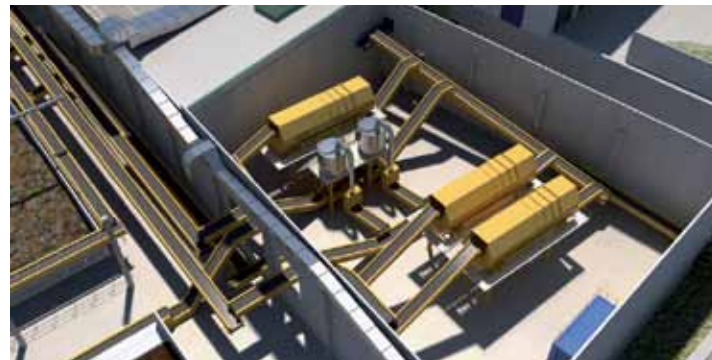


Use of organic fraction

The organic fraction can be further used for compost production subject to requirements. STADLER® integrates in its sorting plants high developed systems as a preparation for the further treatment of the organic fraction. As a result of this processing, it is possible to use waste in an ecological way. The compost is used in agriculture and gardening in order to fertilize the soil and to supply it with nutrients. Currently compost is also used to stabilize soils that are damaged by environmental impacts and to protect them against erosion.



Organic fraction



Compost treatment



Composting

STADLER®

Products for tomorrow's world

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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®

Engineering at its best



Sorting plant for M.S.W. –
Municipal Solid Waste

STADLER®

SORTING PLANTS

STADLER® is the market leader on planing, producing, installing and starting-up turn-key-sorting plants for the recycling industry. We develop together with our clients tailor-made plant concepts to focus on material requests and needs. With us your project is individually designed and with the highest accuracy delivered.

Technical know-how, efficiency

Due to the use of high-technological STADLER® machines and machine technique, the performance and the production of the plant are increased, the production costs are reduced and the results are improved.

We plan and produce tailor-made plant concepts for you

- Industrial waste and waste-derived fuel processing
- Sorting of lightweight packaging materials and polymers
- Sorting of household waste
- Sorting of paper and cardboard
- Plastic bottles

SATISFY YOURSELF WITH OUR LAYOUT

Only a successful layout assures, in the course of an investment, the best cost-performance ratio. STADLER® offers you for this purpose the best engineers, which support you with their know-how and long lasting experience on the development and planing of a high technological and efficient solution



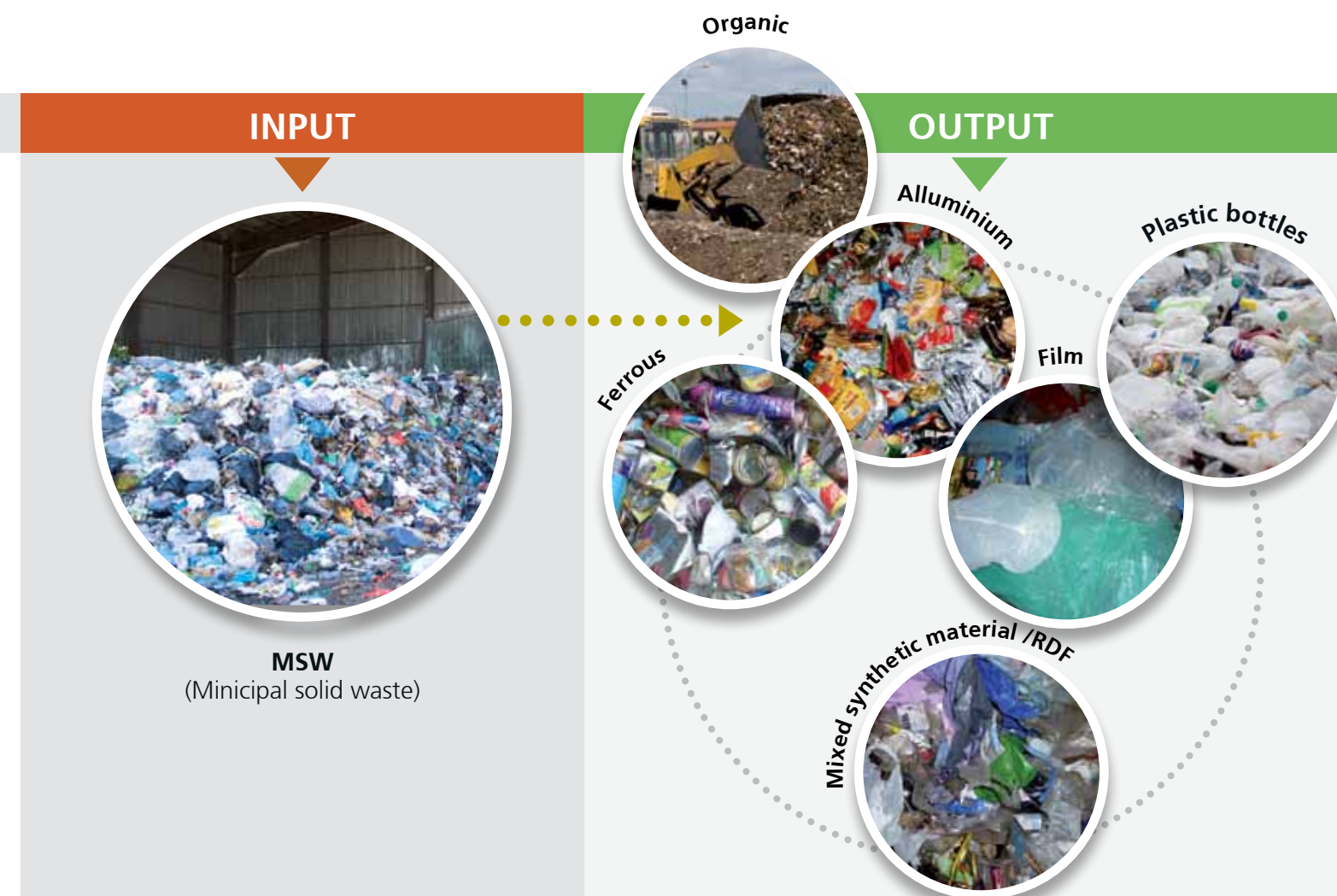
Process on the treatment of M.S.W. – Municipal Solid Waste

Are you looking for a concept for treatment of MSW? Then you are just about right with us.

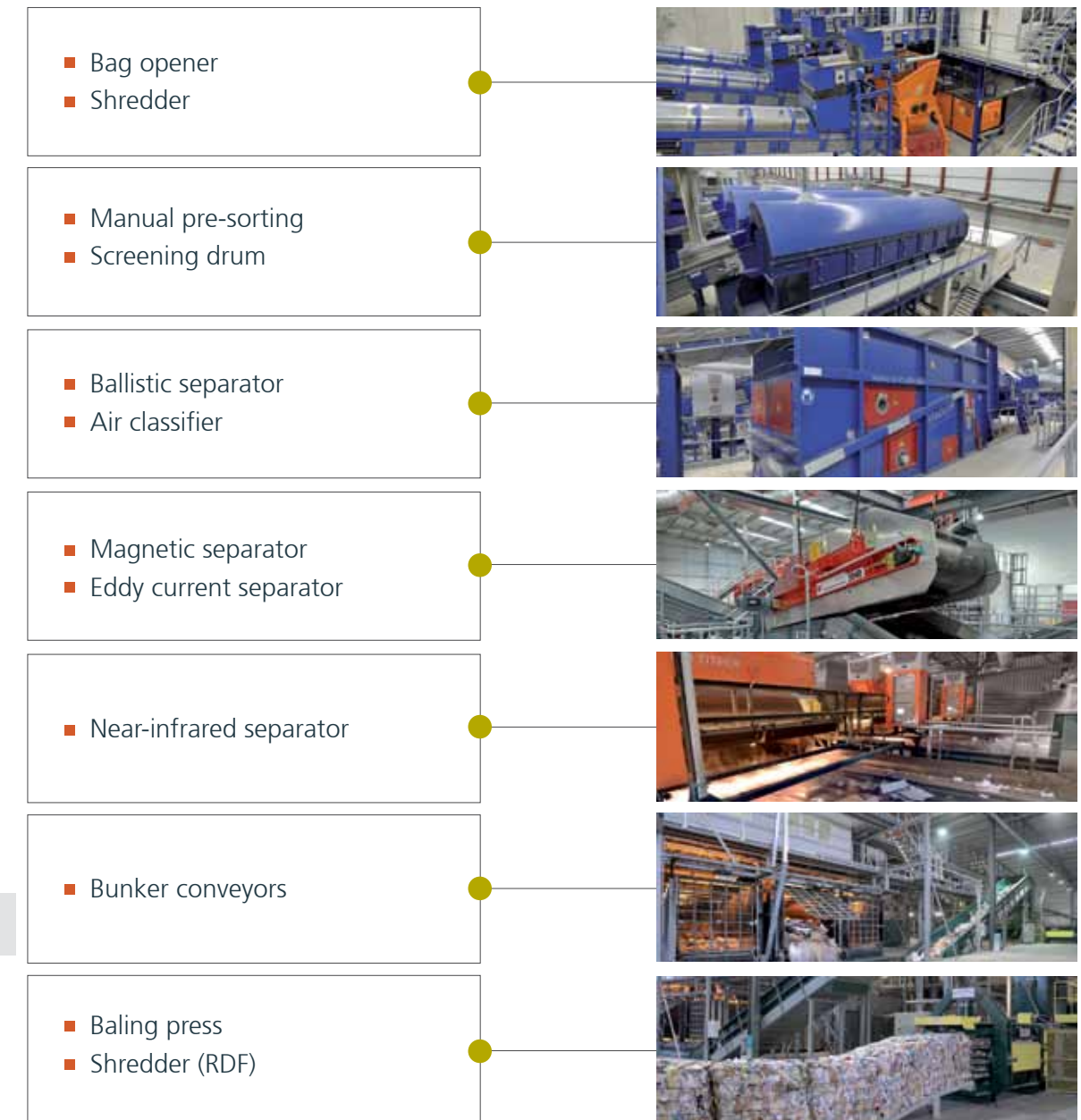
The company STADLER® has many years of experience in the area of planing, producing and installing turn-key sorting plants for MSW from 50.000 to 400.000 t/a. Numerous of STADLER® constructed sorting plants prove this fact and can be visited by request.

Process description

- Feeding system with cranes or loader
- Pre-sorting of bulky material
- Screening of organic fraction
- Sorting of valuable material through a STADLER® ballistic separator. This machine separates the material stream in 3 fractions. 3D rolling / heavy fraction (PET, PEAD, mixed synthetic material, tetra, steel, aluminium), a 2D flat / light fraction (foil, paper/ cardboard) and the fine fraction (screened material, organics).
- Automatic sorting with NIR, magnets and ECS.
- Balling station and storage of products.



BASE CONCEPT



DRAWING OF AN AUTOMATIC PLANT

