

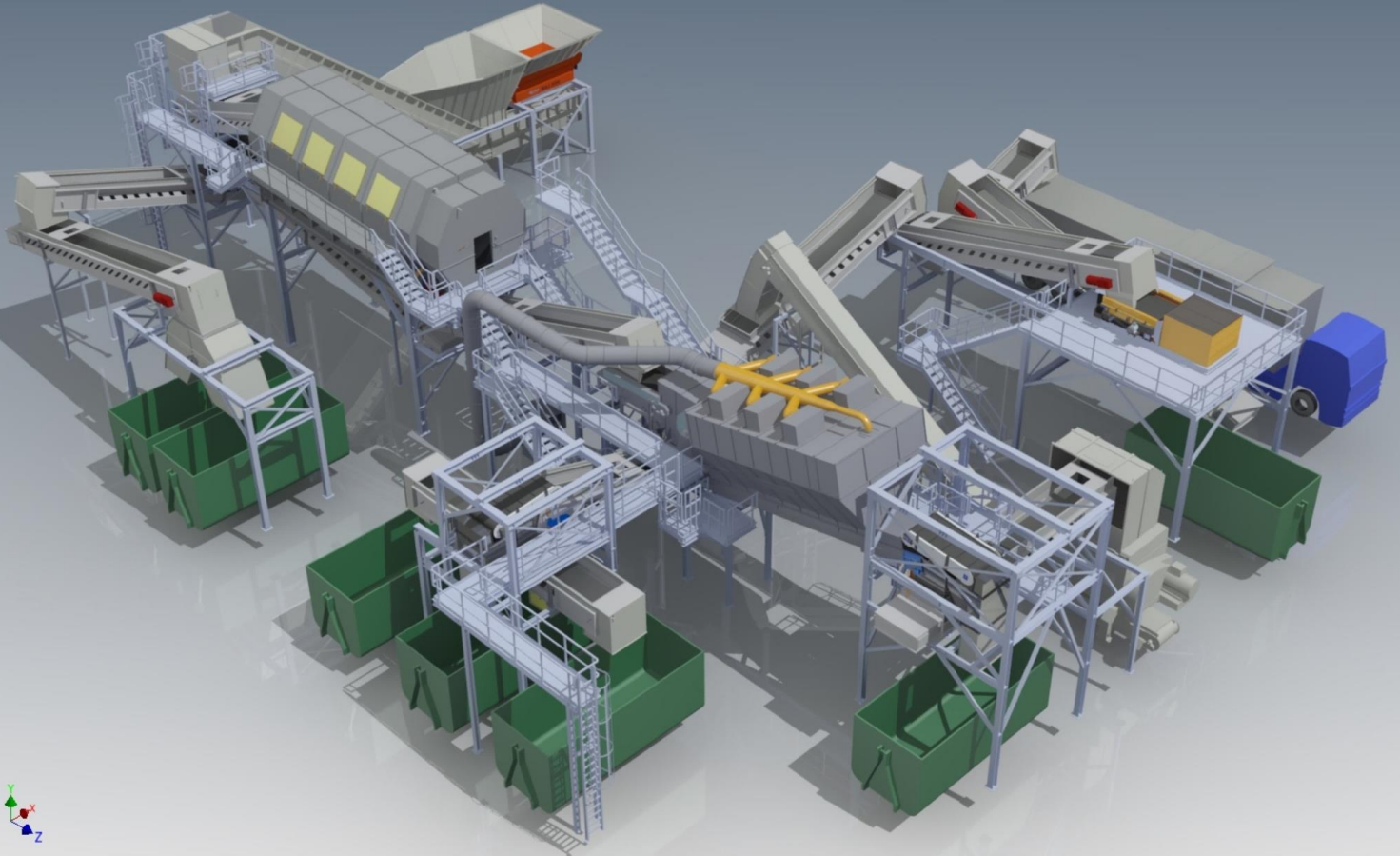


PROMETHEUS SYSTEM
Powered by Entsorga

PROMETHEUS!

MECHANICAL REFINING LINE TO PRODUCE
SOLID RECOVERED FUEL (SRF)

Powered by Entsorga



ENTSORGA'S PROMETHEUS! IS A **FLEXIBLE SYSTEM** DESIGNED TO **REFINE BIODRIED WASTE** AND PRODUCE **HIGH QUALITY ALTERNATIVE FUEL**.

THE ALTERNATIVE FUEL, PRODUCED BY SELECTING MATERIALS WITH HIGH CALORIFIC POWER, IS A **PARTICULARLY EFFICIENT ALTERNATIVE TO COAL**, FOR **CEMENT PRODUCERS** AND OTHER INDUSTRIAL USERS.

ENTSORGA
GREEN TECHNOLOGY REVOLUTION



THE PROMETHEUS[®] SYSTEM IS A **HIGH PERFORMANCE FLEXIBLE MECHANICAL REFINING LINE** DEVELOPED BY ENTSORGA TO PRODUCE **HIGH QUALITY SRF** *. DEPENDING FROM VOLUMES AND TYPE OF WASTE TO BE TREATED, THIS SOLUTION USES **DIFFERENT EQUIPMENT CONFIGURATIONS** TO SEPARATE FRACTIONS WITH HIGHER CALORIFIC POWER FROM RECYCLABLES GRITS AND INERTS.

SRF QUALITY

- “ * **SOLID RECOVERED FUEL (SRF)** compliant with **UNI EN 15358** which has obtained the status of Non Hazardous Secondary Material by the **US EPA** (Environmental Protection Agency)
- “ **High calorific value** (18 Mj/Kg c.a)
- “ **Very low residual humidity** (15-20%)
- “ **Minimum chlorine content** (<0.7 mg / kg)
- “ Sizing according to the user's specifications
- “ Can be delivered as **fluff** (bulk or baled) or **pellet**

ADVANTAGES

Entsorga's Prometheus[®] system allows:

- **maximizing yield and quality** of the alternative fuel produced
- **Minimizes residual waste to be landfilled (15-20%)**
- **Optimizes recovery (3-10%) of recyclable materials** (ferrous metals, aluminum, copper, brass and plastic materials)
- **Minimum electrical consumption**

APPLICATIONS

High quality, high biogenic content alternative fuels for industrial users (**Cement/lime producers, WTE, Gasification and Advanced Thermal Treatment plants**).

STATE OF THE ART PROVEN EQUIPMENT

The Prometheus[®] system is set up as a **complete line of different equipment** entirely designed by Entsorga to optimize the refining process and therefore obtain a fuel with a high calorific value.

PRIMARY SHREDDER,
TO HOMOGENIZE SIZE AND ALLOW
BETTER REFINING



ROTATING DRUM SCREENER TO SEPARATE
GRITS AND FINES TO BE LANDFILLED OR
USED AS LANDFILL COVER



AIR SEPARATOR,
TO SEPARATE HIGH QUALITY FRACTION, FROM
MATERIAL WITH LOW CALORIFIC POWER



MAGNETIC SEPARATOR TO SEPARATE
FERROUS METALS



INDUCED CURRENT SEPARATOR, TO
RECOVER ALUMINUM, ETC ...



FALCON: NIR (NEAR INFRA RED)
OPTICAL SORTER TO ELIMINATE
CHLORINATED PLASTICS



SECONDARY SHREDDER TO ADJUST THE
SRF TO THE REQUIRED SIZING
SPECIFICATIONS