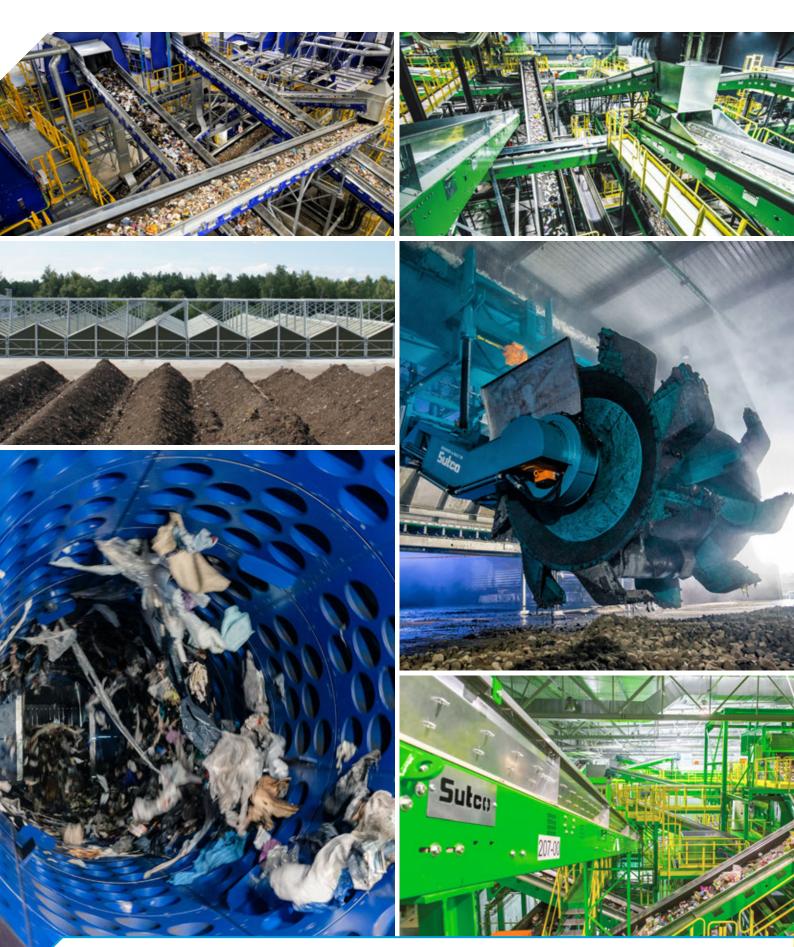
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MECHANICAL-BIOLOGICAL WASTE TREATMENT (MBT) PLUS MUNICIPAL SOLID WASTE (MSW) TREATMENT





Municipal sorting waste plant Fredrikstad, Norway

Location Fredrikstad, Norway

Plant Mechanical waste treatment of MSW

Plant capacity 120,000 Mg/a

Commissioning 2025

Client Østfold Avfallssortering, Fredrikstad, Norway

Waste management plant Olszowa, Poland

Location Olszowa, Poland

Plant Mechanical and biological waste treatment

of MSW

Plant capacity 50,000 Mg/a

Commissioning 2022

Client Zakład Zagospodarowania Odpadów Olszowa

Sp. z o.o., Olszowa, Poland

Municipal sorting waste plant Stockholm, Sweden

Location Stockholm, Sweden

Plant Mechanical waste treatment of MSW

Plant capacity 140,000 Mg/a / 45 Mg/h

Commissioning 2020

Client SÖRAP, Stockholm, Sweden

Waste management centre Bielsko-Biala, Poland

Location Bielskio-Biała, Poland

Plant Mechanical waste treatment of MSW

Plant capacity 75,000 Mg/a

Modernization 2019 Commissioning 2012

Client Zakład Gospodarki Odpadami S.A.,

Bielsko-Biała, Poland



Waste management centre Radom, Poland

Location Radom, Poland

Plant Household waste treatment

System BioFIX

Plant capacity Sorting plant: 210,000 Mg/a

Composting plant: 42,000 Mg/a

Modernization 2019 Commissioning 2008

Client PPUH RAdkom, Radom, Poland

Municipal sorting waste plant Kharkiv, Ukraine

Location Kharkiv, Ukraine

Plant Procurement of construction on municipal solid

waste, treatment facility including system of landfill gas collection and power generation

Plant capacity 80,000 Mg/a MSW

40,000 Mg/a presorted waste

Modernization 2018

Client Utility Company "Kharkiv Municipal Company for

Waste Management", Kharkiv, Ukraine

Municipal sorting waste plant Stavanger, Norway

Location Stavanger, Norway

Plant Municipal solid waste treatment

for receipt of recyclables

Plant capacity 40 Mg/h MSW

14 Mg/h Paper

Commissioning 2018

Client IVAR, Stavanger, Norway



Waste management centre Kielce, Poland

Location Promnik near Kielce, Poland Plant Municipal solid waste treatment

Composting System BioFIX

Plant capacity Sorting plant: 29 Mg/h,100,000 Mg/a

Composting plant: 25,000 Mg/a

Commissioning 2016

Client Przedsiębiorstwo Gospodarki Odpadami

Kielce, Poland

Waste management centre Tczew, Poland

Location Tczew, Poland

Plant Household waste treatment

Composting System BioFIX Sorting plant: 75,000 Mg/a

Plant capacity

Sorting plant: 75,000 Mg/a

Composting plant: 35,000 Mg/a

2011

Commissioning 2013

Client Zakład Utylizacji Odpadów Stałych

Tczew, Poland

Waste management centre Elblag, Poland

Location Elblag, Poland

Plant Household waste treatment

Composting System BIODEGMA

Plant capacity Sorting plant: 75,000 Mg/a

Composting plant: 28,000 Mg/a

Commissioning 2012

Client Zakład Utylizacji Odpadów,

Elbląg, Poland

Sorting plant Baku, Azerbaijan

Location Baku, Azerbaijan Plant Sorting plant for MSW

Plant capacity 80,000 Mg/a

Commissioning 2012

Client Adelmann, Karlstadt, Germany



Waste management centre Sosnowiec, Poland

Location Sosnowiec, Poland

Plant Household waste treatment Sorting plant: 70,000 Mg/a

Composting plant: 13,000 Mg/a

Commissioning 2012

Client Skladowania Odpadow, Sosnowiec,

Poland

Pre-treatment plant Linz, Austria

Location Linz, Austria

Plant Mechanical treatment of residuals of

MBT, industrial waste, household waste

waste before thermal treatment

Plant capacity 225,000 Mg/a

Commissioning 2011

Client Linz Strom, Austria

Waste management centre Elk, Poland

Location Siedliska near Ełk, Poland

Plant Household waste treatment Composting System BioFIX

Sorting plant: 35,000 Mg/a Composting plant: 21,000 Mg/a

Plant capacity 24.5 Mg/h Commissioning 2010

Client Przedsiębiorstwo Gospodarki Odpadami

"EKO-Mazury" in Siedliska, Ełk, Poland

Waste management centre Kalisz, Poland

Location Orli Staw near Kalisz, Poland Plant Household waste treatment

System BioFIX

Plant capacity Composting plant: 80,000 Mg/a

Commissioning 2006

Client Związek Komunalny Gmin "Cczyste

Miasto, Czysta Gmina", Kalisz, Poland



Waste management centre Großefehn, Germany

Location Großefehn, Lower Saxony, Germany Plant Household, industrial and bulky waste

Plant capacity 30 Mg/h Commissioning 2005

Client Heilit Umwelttechnik, Düsseldorf, Germany

AEZ Erbenschwang, Germany

Location Erbenschwang, Bavaria, Germany

Plant Mechanical Treatment of Residual waste

System BioFIX

Plant capacity 40,000 Mg/a

Commissioning First commissioning 1997, modification 2005

Client Erbenschwanger Verwertungs- und Abfallentsorgungs-Gesellschaft,

Schongau, Germany

Mechanical-biological waste treatment plant Neuss, Germany

Location Neuss, North Rhine-Westphalia, Germany

Plant MBT

Plant capacity 206,000 Mg/a

Commissioning 2001

Client EGN, Grevenbroich, Germany

Waste management centre Singhofen, Germany

Location Singhofen, Rhineland-Palatinate, Germany Plant Mechanical and biological waste treatment

Plant capacity 45 Mg/h Commissioning 2000

Client Rhein-Lahn-Kreis Abfallwirtschaft,

Bad Ems, Germany



Waste management centre Bassum, Germany

Location Bassum, Lower Saxony, Germany

Plant Mechanical and biological waste treatment

Plant capacity 60,000 Mg/a

Commissioning 1997

Client Sotec, Saarbrücken, Germany

Waste management centre Düren, Germany

Location Düren-Horm, North Rhine-Westphalia,

Germany

Plant Mechanical and biological waste treatment

Plant capacity 180,000 Mg/a

Commissioning 1995

Client Dürener Deponiegesellschaft (DDG),

Düren, Germany





PLASTIC AND PACKAGING WASTE

SORTING PLANTS FOR PACKAGING WASTE, PLASTIC TREATMENT





LWP-Sorting plant Enns, Austria

Location Enns, Austria

Plant Sorting plant for light weight packaging (LWP)

Capacity 100,000 Mg/a

Commissioning 2024

Client Bernegger / ARA / Grüner Punkt, Enns, Austria

LWP-Sorting plant Oslo, Norway

Location Oslo, Norway

Plant Sorting plant for MSW / plastics

Capacity 20 Mg/h Commissioning 2024

Client Plastretur, Oslo, Norway

Sorting plant for plastics Bochum, Germany

Location Bochum, Germany
Plant Sorting plant for plastics

Capacity 6 Mg/h Commissioning 2023

Client RE Plano GmbH, Lünen, Germany

Plastic Recycling Facility Site Zero, Motala, Sweden

Location Motala, Sweden

Plant Second plant in Motala, sorting plant for

packaging waste, 12 different output fractions

Plant capacity 200,000 Mg/a (together with the first plant)

Commissioning 2023 (first plant 2019)

Client Svensk Plaståtervinning, Motala, Sweden

LWP-Sorting plant Vechta, Germany

Location Vechta, Germany

Plant Film sorting in various fractions Plant capacity 7 Mg/h, 3-shift operation

Commissioning 2021

Client SL Recycling, Vechta, Germany



PDM Sorting Zwolle, The Netherlands

Location Zwolle, The Netherlands

Plant PDM Sorting Plant capacity 110,000 Mg/a

Commissioning 2019

Client PreZero Wertstoffmanagement Porta Westfalica, Germany

Modification LWP-Sorting plant Oppin, Germany

Location Oppin, Saxony-Anhalt, Germany

Plant Sorting plant for light weight packaging (LWP)

Plant capacity 15 Mg/h Modernisation 2019 Commissioning 2008

Client Tönsmeier Service, Porta Westfalica, Germany

Treatment plant for plastics from refrigerators Lünen, Germany

Lünen, North Rhine-Westphalia, Germany
Plant Treatment plant for plastics from refrigerators

Plant capacity 3 Mg/h Commissioning 2018

Client RePlano, Lünen, Germany

LWP-Sorting plant Swisttal, Germany

Location Swisttal, North Rhine-Westphalia, Germany Plant Sorting plant for light weight packaging (LWP)

Plant capacity 21 Mg/h Commissioning 2018

Client Hündgen Entsorgungs, Swisttal, Germany

Sorting plant for light weight packaging Gernsheim, Germany

Location Gernsheim, Hesse, Germany

Plant Sorting plant for light weight packaging (LWP)

Plant capacity 22 Mg/h Commissioning 2018

Client Meilo, Gernsheim, Germany



Automatic sorting plant, Singapore

Location Singapore

Plant Sorting plant for light weight packaging (LWP)

Plant capacity 10 Mg/h Commissioning 2014

Client Colex, Singapore

Automatic sorting plant Iserlohn, Germany

Location Iserlohn, North Rhine-Westphalia,

Germany

Plant Sorting plant for light weight packaging (LWP)

Plant capacity 18 Mg/h Commissioning 2014

Client Lobbe, Iserlohn, Germany

Automatic sorting plant Bochum, Germany

Location Bochum, North Rhine-Westphalia,

Germany

Plant Sorting plant for light weight packaging (LWP)

Plant capacity 12 Mg/h Commissioning 2010

Client Remondis, Lünen, Germany

Automatic sorting plant Soltau, Germany

Location Soltau, Lower Saxony, Germany

Plant Sorting plant for light weight packaging (LWP)

Plant capacity 8 Mg/h Commissioning 2007

Client Abfallbeseitigung H.Cohrs, Soltau, Germany

Automatic sorting plant Würzburg, Germany

Location Würzburg, Bavaria, Germany

Plant Sorting plant for light weight packaging (LWP)

Plant capacity 7 Mg/h Commissioning 2007

Client Würzburger Recycling, Germany



Modification sorting plant Detmold, Germany

Location Detmold, North Rhine-Westphalia, Germany Plant Sorting plant for light weight packaging (LWP)

Plant capacity 8 Mg/h Commissioning 2006

Client DST-Wertstoffsortierung & Recycling

Detmold, Germany

Automatic sorting plant Karditsa, Greece

Location Karditsa, Greece

Plant Sorting plant for commingled waste

Plant capacity 5 Mg/h Commissioning 2005

Client HE.R.R.Co., Kifissia, Greece

Modification sorting plant Herne, Germany

Location Herne, North Rhine-Westphalia, Germany
Plant Sorting plant for light weight packaging (LWP)

Plant capacity 12 Mg/h Commissioning 2005

Client Veolia, Herne, Germany

Modification automatic sorting plant Breinermoor, Germany

Location Breinermoor, Lower Saxony, Germany

Plant Sorting plant for light weight packaging (LWP)

Plant capacity 9 Mg/h Commissioning 2005

Client GMA, Wangerland, Germany

Modification automatic sorting plant Troisdorf, Germany

Location Troisdorf, North Rhine-Westphalia, Germany
Plant Sorting plant for light weight packaging (LWP)

Plant capacity 8 Mg/h Commissioning 2002

Client Remondis, Lünen, Germany



Modification automatic sorting plant Essen, Germany

Location Essen, North Rhine-Westphalia, Germany Plant Sorting plant for light weight packaging

Plant capacity 7 Mg/h Commissioning 2001

Client Remondis, Lünen, Germany

Automatic sorting plant Cologne-Rodenkirchen, Germany

Location Cologne-Rodenkirchen, North Rhine-

Westphalia, Germany

Plant Sorting plant for light weight packaging

Plant capacity 4 Mg/h Commissioning 2001

Client Remondis, Lünen, Germany

Sorting plant Backnang, Germany

Location Backnang, Baden-Wuerttemberg, Germany
Plant Sorting plant for light weight packaging

Plant capacity 3 Mg/h Commissioning 1999

Client Veolia, Filderstadt, Germany

Sorting plant Speyerdorf, Germany

Location Speyerdorf, Baden-Wuerttemberg, Germany

Plant Sorting plant for light weight packaging

Plant capacity 3 Mg/h Commissioning 1999

Client Veolia, Filderstadt,

Germany



Sorting plant Achern, Germany

Location Achern, Baden-Wuerttemberg, Germany
Plant Sorting plant for light weight packaging (LWP)

Plant capacity 4 Mg/h Commissioning 1998

Client Mittelbadische Entsorgungs- und

Recyclingbetriebe, Bietigheim,

Germany





MRF (MATERIAL RECOVERY FACILITIES)

SORTING PLANTS FOR DRY VALUABLE SUBSTANCES FROM DOMESTIC WASTE





Treatment plant for MSW Hamburg, Germany

Location Hamburg, Germany

Plant MSW treatment plant for the extraction

of recyclable materials

Capacity 145,000 Mg/a, 33 Mg/h

Commissioning 2028

Client Stadtreinigung Hamburg, Germany

Treatment plant for MSW Brusque, Brasil

Location Brusque, state of Santa Catarina, Brasil

Plant MSW treatment plant for the extraction of

recyclable materials and provision of RDF

Capacity 50 Mg/h Commissioning 2026

Client Eureciclo, Brusque, Brasil

MRF Tuas, Singapore

Location Tuas, Singapore

Plant Sorting plant for recyclable materials

before incineration

Capacity 77,500 Mg/a

Commissioning 2026

Client ST Engineering Marine Ltd., Singapore

Sorting plant for MSW and dry valuable substances Altens East, Scottland

Location Aberdeen, Scottland

Plant Sorting plant for MSW and

dry valuable substances

Capacity 33,000 Mg/a

Commissioning 2025

Client Suez Recycling and Recovery UK,

Berkshire, United Kingdom



Sorting plant for MSW and dry valuable substances Santiago de Chile, Chile

Location Santiago de Chile, Chile Plant Sorting plant for MSW and

dry valuable substances

Capacity 30,000 Mg/a, 7 Mg/h (two-shift-operation)

Commissioning 2023

Client Ambipar, Santiago de Chile, Chile

MRF Porto, Portugal

Location Porto, Portugal

Plant Sorting of recyclable materials

from packaging waste

Capacity 35,000 Mg/a, 8 Mg/h

Commissioning 2023

Client Lipor, Baguim do Monte, Portugal

Modification Bockenberg, Germany

Location Bockenberg, North Rhine-Westphalia, Germany

Plant Sorting plant for recyclables

Plant capacity 16 Mg/h Commissioning 2019

Client AVEA, Leverkusen, Germany

Municipal sorting waste plant Brześć Kujawski, Poland

Location Brześć Kujawski, Poland

Plant Mechanical waste treatment of MSW

Plant capacity 60,000 Mg/a mixed MSW

5,000 - 6,000 Mg/a presorted waste

Modernization 2018

Client Przedsiębiorstwo Gospodarki Odpadami,

Kujawski, Poland



Waste management centre Krakow, Poland

Location Krakow, Poland

Plant Mechanical waste treatment of MSW

Plant capacity 55,000 Mg/a

9,000 Mg/a glas

Modernization 2018 Commissioning 2013

Client Miejskie Przedsiębiorstwo Oczyszczania,

Krakow, Poland

Municipal sorting waste plant Bydgoszcz, Poland

Location Bydgoszcz, Poland

Plant Municipal solid waste treatment

Plant capacity 20 Mg/h presorted waste

Modernization 2018

Client ProNatura, Bydgoszcz, Poland

Waste management centre Gać, Poland

Location Gać, Poland

Plant Mechanical waste treatment of MSW

Plant capacity 60,000 Mg/a

Commissioning 2003, 2010 and 2015

Client Zakład Gospodarowania Odpadami

Gać, Poland

Waste management centre Tychy, Poland

Location Tychy, Poland

Plant Municipal solid waste treatment
Plant capacity Sorting plant: 22 Mg/h, 78,000 Mg/a

Commissioning 2014

Client Master-Waste and Energia

Tychy, Poland



Waste management centre Bialystok, Poland

Location Studzianki near Białystok, Poland Plant Mechanical waste treatment of MSW

Plant capacity 100,000 Mg/a

Commissioning 2011

Client P.P.U.H. Czyściochin Białystok,

Poland

MRF Southwark, London, United Kingdom

Location Southwark, London, United Kingdom

Plant Mechanical waste treatment

Plant capacity 25 Mg/h Commissioning 2012

Client Veolia, United Kingdom

MRF West-Berkshire, United Kingdom

Location Berkshire, United Kingdom Plant Mechanical waste treatment

Plant capacity 15 Mg/h Commissioning 2011

Client Veolia, United Kingdom

MRF Swanley, United Kingdom

Location Swanley, United Kingdom Plant Mechanical waste treatment

Plant capacity 15 Mg/h Commissioning 2011

Client Ideal Waste, United Kingdom

Waste management centre Warsaw, Poland

Location Warsaw, Poland

Plant Mechanical waste treatment of MSW

Plant capacity 225,000 Mg/a (per 3 shifts)

Commissioning 2010

Client Byś-Wojciech Byśkiniewicz,

Warszawa, Poland



MRF Mansfield, United Kingdom

Location Mansfield, United Kingdom Plant Mechanical waste treatment

Plant capacity 25 Mg/h Commissioning 2009

Client Veolia, United Kingdom

MRF Newcastle, United Kingdom

Location Newcastle, United Kingdom Plant Mechanical waste treatment

Plant capacity 15 Mg/h Commissioning 2009

Client Sita UK, United Kingdom

MRF Rainham, United Kingdom

Location Rainham, United Kingdom Upgrade, glass treatment added

Plant capacity 22 Mg/h Commissioning 2009

Client Veolia, United Kingdom

MRF Brighton, United Kingdom

Location Brighton, United Kingdom
Plant Mechanical waste treatment

Plant capacity 15 Mg/h Commissioning 2008

Client Veolia, United Kingdom

MRF Caythorpe, United Kingdom

Location Caythorpe, United Kingdom Plant Mechanical waste treatment

Plant capacity 15 Mg/h Commissioning 2008

Client MID UK, United Kingdom



MRF Reading, United Kingdom

Location Reading, United Kingdom
Plant Mechanical waste treatment

Plant capacity 15 Mg/h Commissioning 2008

Client AECOM/RE3, United Kingdom

Autoclave Rotherham, United Kingdom

Location Rotherham, United Kingdom Plant Mechanical waste treatment

Plant capacity 80,000 Mg/a

Commissioning 2008

Client Sterecycle, United Kingdom

MRF Alton, United Kingdom

Location Alton, United Kingdom

Plant Mechanical waste treatment

Plant capacity 24 Mg/h Commissioning 2004

Client Veolia, United Kingdom

MRF Greenwich, United Kingdom

Location Greenwich, United Kingdom Plant Mechanical waste treatment

Plant capacity 50,000 Mg/a

Commissioning 2004

Client Veolia, United Kingdom

MRF Grundon, United Kingdom

Location Grundon, United Kingdom
Plant Mechanical waste treatment

Plant capacity 14 Mg/h Commissioning 2003

Client Grundon Waste Management,

United Kingdom



MRF Rainham, United Kingdom

Location Rainham, United Kingdom Plant Mechanical waste treatment

Plant capacity 50,000 Mg/a

Commissioning 2001

Client Veolia, Brentwood, United Kingdom





REFUSE DERIVED FUEL (RDF) TREATMENT PLANTS FOR REFUSE DERIVED FUEL (SRF/RDF)





Commercial waste treatment plant Hannover, Germany

Location Hannover, Germany

Plant Commercial treatment plant for

the production of SRF

Plant capacity 24 Mg/h Commissioning 2021

Client Noris Entsorgung, Germany

Sorting plant for commercial waste & construction and demolition waste Hannover, Germany

Location Hannover, Germany

Plant Sorting plant for industrial waste and

construction and demolition waste

producing RDF

Plant capacity 30 Mg/h Commissioning 2018

Client Tönsmeier Entsorgung, Germany

Commercial waste treatment plant Rugby, United Kingdom

Location Rugby, United Kingdom

Plant Treatment plant for commercial and municipal

solid waste for the production of SRF

Plant capacity 55 Mg/h commercial and domestic waste

Commissioning 2015

Client Sita UK, United Kingdom

Commercial waste treatment plant Birmingham, United Kingdom

Location Birmingham, United Kingdom Plant Commercial treatment plant for

the production of SRF

Plant capacity 24 Mg/h industrial waste

Commissioning 2013

Client Sita UK, United Kingdom



Sorting plant for commercial waste & construction and demolition waste **H**elsinki, **F**inland

Location Helsinki, Finland

Plant Sorting plant for industrial waste and

construction and demolition waste

producing RDF

Plant capacity 25 Mg/h industrial waste

30 Mg/h construction demolition waste

Commissioning 2010

Client Lassila Tikanoja, Finland

Commercial waste treatment plant Northampton, United Kingdom

Location Northampton, United Kingdom

Plant Production of RDF/SRF

Plant capacity 25 Mg/h Commissioning 2009

Client HW Martin, United Kingdom

Treatment plant for RDF Meppen, Germany

Location Meppen, Lower Saxony, Germany

Plant Production of RDF/SRF

Plant capacity 30 Mg/h Commissioning 2006

Client Augustin Städtereinigung, Meppen, Germany

Treatment plant for RDF Flörsheim, Germany

Location Flörsheim, Hesse, Germany Plant Production of RDF/SRF

Plant capacity 13 Mg/h Commissioning 2006

Client Remondis, Lünen, Germany



Treatment plant for RDF Cologne, Germany

Location Cologne, North Rhine-Westphalia, Germany

Plant Production of RDF/SRF

Plant capacity 20 Mg/h Commissioning 2006

Client GVG, Cologne, Germany

Treatment plant for RDF Wels, Austria

Location Wels, Austria

Plant Production of RDF/SRF

Plant capacity 18 Mg/h Commissioning 2006

Client Energie AG Wels, Austria

Treatment plant for RDF Ihlenberg, Germany

Location Ihlenberg, Mecklenburg-Western

Pomerania, Germany

Plant Production of RDF/SRF

Plant capacity 25 Mg/h Commissioning 2006

Client RABA Ihlbenberg, Selmsdorf, Germany

Treatment plant for RDF Halle-Lochau, Germany

Location Lochau, Lower Saxony, Germany

Plant Production of RDF/SRF

Plant capacity 20 Mg/h Commissioning 2006

Client Fehr Umwelt, Döllnitz, Germany



Treatment plant for RDF EnnigerIoh, Germany

Location Ennigerloh, North Rhine-Westphalia, Germany

Plant Production of RDF/SRF

Plant capacity 24 Mg/h Commissioning 2006

Client EKOWEST, Ennigerloh, Germany

Treatment plant for RDF Meschede, Germany

Location Meschede, North Rhine-Westphalia,

Germany

Plant Production of RDF/SRF

Plant capacity 30 Mg/h Commissioning 2005

Client Remondis, Lünen, Germany

Treatment plant for RDF Neuss, Germany

Location Neuss, North Rhine-Westphalia, Germany

Plant Production of RDF/SRF

Plant capacity 30 Mg/h Commissioning 2005

Client EGN, Grevenbroich, Germany

Treatment plant for RDF Bochum, Germany

Location Bochum, North Rhine-Westphalia, Germany

Plant Production of RDF/SRF

Plant capacity 30 Mg/h Commissioning 2005

Client Weber, Bochum, Germany

Treatment plant for RDF Kerpen, Germany

Location Kerpen, North Rhine-Westphalia, Germany

Plant Production of RDF/SRF

Plant capacity 20 Mg/h Commissioning 2005

Client Schönmackers, Kerpen, Germany



Treatment plant for RDF Asdonkshof, Germany

Location Kamp Lintfort, North Rhine-Westphalia, Germany

Plant Production of RDF/SRF

Plant capacity 20 Mg/h Commissioning 2005

Client KWA, Kreis Wesel, Kamp Lintfort, Germany

Treatment plant for RDF Wiefels, Germany

Location Wiefels, Lower Saxony, Germany

Plant Production of RDF/SRF

Plant capacity 20 Mg/h Commissioning 2004

Client GMA, Wangerland, Germany

Treatment plant for RDF Winschoten, The Netherlands

Location Winschoten, The Netherlands

Plant Production of RDF/SRF

Plant capacity 15 Mg/h Commissioning 2002

Client AlBra Winschoten by, Winschoten,

The Netherlands

Treatment plant for RDF Delitzsch, Germany

Location Delitzsch, Saxony, Germany Plant Production of RDF/SRF

Plant capacity 50,000 Mg/a

Commissioning 2000

Client Kreiswerke Delitzsch, Delitzsch, Germany 2002 fire damage: New installation and plant extension

Plant capacity 60,000 Mg/a

Commissioning 2002



Treatment plant for RDF Akea, Germany

Location Erftstadt, North Rhine-Westphalia,

Germany

Plant Production of RDF/SRF

Plant capacity 45,000 Mg/a (one-shift-operation)

Commissioning 1998

Client Remondis, Lünen, Germany

Production of Pellets as RDF Krefeld, Germany

Location Krefeld, North Rhine-Westphalia,

Germany

Plant Production of pellets as RDF

Plant capacity 13,000 Mg/a (one-shift-operation)

Commissioning 1995

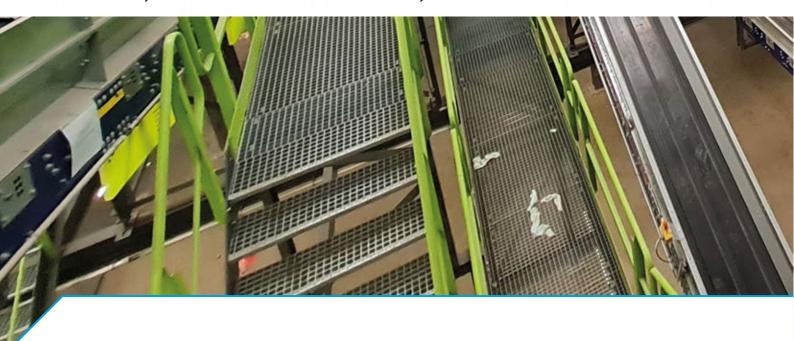
Client Remondis, Krefeld, Germany





COMMERCIAL AND INDUSTRIAL WASTE (C+I), MIXED BUILDING DEBRIS, BULKY WASTE

TREATMENT PLANTS FOR COMMERCIAL AND INDUSTRIAL WASTE, MIXED BUILDING DEBRIS, BULKY WASTE





Sorting plant for commercial and industrial waste, Gent, Belgium

Location Gent, Belgium

Plant Commercial and industrial waste for the

recovery of recyclable materials

Plant capacity 65.000 Mg/a

Commissioning 2021

Client Suez R&R BE Services, Belgium

Sorting plant Troisdorf, Germany

Location Troisdorf, North Rhine-Westphalia, Germany

Plant Sorting plant for industrial waste refuse

Plant capacity 20 Mg/h Commissioning 2019

Client Remondis, Germany

Sorting plant Eichenzell, Germany

Location Eichenzell, Hesse, Germany

Plant Sorting plant for industrial waste refuse

Plant capacity 22 Mg/h Commissioning 2019

Client Veolia Umweltservice West,

Eichenzell, Germany

Sorting plant Hannover, Germany

Location Hannover, Lower Saxony, Germany
Plant Sorting plant for industrial waste refuse

Plant capacity 80,000 Mg/a

Commissioning 2018

Client Tönsmeier Entsorgung, Germany

Sorting plant Ahrental, Austria

Location Ahrental, Austria

Plant Sorting plant for industrial, domestic and

bulky waste

Plant capacity 40 Mg/h Commissioning 2010

Client Arge Ahrental Fröschl Alpine, Austria



Sorting plant Helsinki, Finland

Location Helsinki, Finland

Plant Sorting plant for industrial waste refuse

and construction demolition waste

Plant capacity 25 Mg/h industrial waste

30 Mg/h construction demolition waste

Commissioning 2010

Client Lassila Tikanoja, Finland

Commercial waste treatment plant Northampton, United Kingdom

Location Northampton, United Kingdom

Plant Production of RDF/SRF

Plant capacity 25 Mg/h Commissioning 2009

Client HW Martin Ud, United Kingdom

Sorting plant EnnigerIoh, Germany

Location Ennigerloh, Germany,

Germany

Plant Sorting plant for industrial waste,

and household waste

Plant capacity 26 Mg/h household waste

26 Mg/h industrial waste

Commissioning 2008

Client AWG, Warendorf, Germany

Sorting plant Luton, United Kingdom

Location Luton, United Kingdom

Plant Sorting plant for industrial waste refuse

Plant capacity 30 Mg/h Commissioning 2008

Client Cawley, United Kingdom



Sorting plant Bitburg, Germany

Location Bitburg, Rhineland Palatinate, Germany Plant Sorting plant for construction waste,

industrial waste and bulky refuse

Plant capacity 15 Mg/h Commissioning 2006

Client BRG Umweltpark Bitburg, Germany

Sorting plant GVG, Germany

Location Cologne, North Rhine-Westphalia,

Germany

Plant Sorting plant for industrial waste

Plant capacity 40 Mg/h Commissioning 2006

Client GVG Cologne, Germany

BMA Gernsheim, Germany

Location Gernsheim, Bavaria, Germany
Plant Sorting plant for construction waste,

industrial waste and bulky refuse

Plant capacity 90,000 Mg/a

Commissioning 1996

Client Waibel KG, Gernsheim, Germany

Sorting plant BAV, Germany

Location Cologne Rath-Heumar,

North Rhine-Westphalia, Germany

Plant Sorting plant for construction waste,

industrial waste and bulky refuse

Plant capacity 45 Mg/h Commissioning 1994

Client Remondis, Viersen, Germany



Construction waste treatment plant Neandertal, Germany

Location Mettmann, North Rhine-Westphalia, Germany

Plant Sorting plant for construction waste

Plant capacity 45 Mg/h Commissioning 1994

Client R+R Rohstoffrückgewinnung und Recycling,

Mettmann, Germany





WASTE PAPER TREATMENT SORTING PLANTS FOR WASTE PAPER AND CARDBOARD





Paper sorting plant Bern, Switzerland

Location Bern, Switzerland Plant Sorting plant for paper

Plant capacity 14 Mg/h Commissioning 2017

Client Alpabern AG, Switzerland

Paper sorting plant Dachau, Germany

Location Dachau, Bavaria, Germany
Plant Sorting plant for paper
Plant capacity 24 Mg/h two lines

Commissioning 2008

Client ASO, Dachau, Germany

Paper sorting plant Zorneding, Germany

Location Zorneding, Bavaria, Germany

Plant Sorting plant for paper from households

Plant capacity 12 Mg/h Commissioning 2007

Client Ammer, Zorneding, Germany

Paper sorting plant Schwedt, Germany

Location Schwedt, Brandenburg, Germany

Plant Sorting plant for paper from households

Plant capacity 20 Mg/h Commissioning 2004

Client MAD, Munich, Germany

Automatic paper sorting plant Sheffield, United Kingdom

Location Sheffield, United Kingdom
Plant Automatic paper sorting plant

Plant capacity 14 Mg/h Commissioning 2003

Client Onyx, United Kingdom



Automatic paper sorting plant Cologne-Merkenich, Germany

Location Cologne-Merkenich, North Rhine-Westphalia,

Germany

Automatic paper sorting plant Plant

14.5 Mg/h Plant capacity Commissioning 2001

Client Remondis, Lünen, Germany

Sorting plant Nützen, Germany

Location Nützen, Lower Saxony, Germany Plant

Sorting plant for paper, cardboard and

paper board

12 Mg/h Plant capacity Commissioning 1999

Client Brockmann, Nützen, Germany

Sorting plant Hamburg, Germany

Location Hamburg, Germany

Sorting plant for paper, cardboard and Plant

paper board

13 Mg/h Plant capacity Commissioning 1999

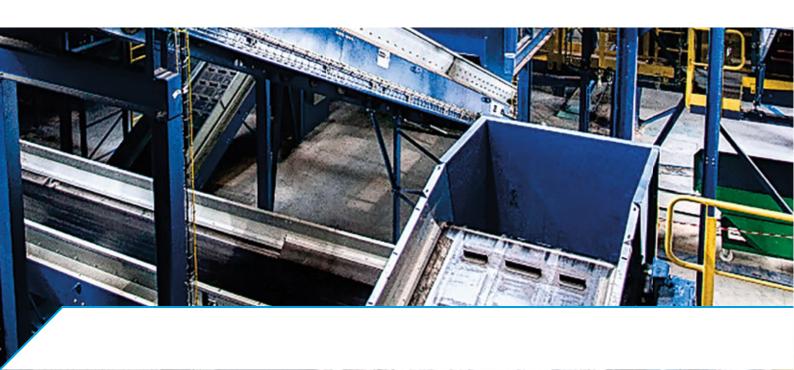
Client Veolia, Hamburg, Germany





DOMESTIC WASTE, SRF/RDF BEFORE THERMAL TREATMENT

PRE-SORTING FACILITIES BEFORE THERMAL TREATMENT





Treatment before Gasification, Hull, United Kingdom

Location Hull, United Kingdom

Plant Treatment before Gasification,

Mechanical treatment of RDF,

sort out of impurities

Plant capacity 278,000 Mg/a

Commissioning 2018

Client M+W Group, United Kingdom

Pre-treatment plant Solucom, Luxembourg

Location Leudelinge, Luxembourg

Plant Mechanical pre-treatment of domestic

waste before thermal treatment

Plant capacity 20,000 Mg/a

Commissioning 2001

Client Solucom, Luxembourg

Pre-treatment plant Cologne-Niehl, Germany

Location Cologne-Niehl, North Rhine-Westphalia,

Germany

Plant Mechanical pre-treatment of domestic

waste before thermal treatment

Plant capacity 660,000 Mg/a

Commissioning,

modification and extension 1996 until 2000

Client AVG Abfallentsorgungs- und Verwertungs-

Gesellschaft Köln, Cologne, Germany

Pre-treatment plant Leverkusen, Germany

Location Leverkusen, North Rhine-Westphalia, Germany

Plant Mechanical pre-treatment of domestic

waste before thermal treatment

Plant capacity 38,500 Mg/a

Commissioning 1994

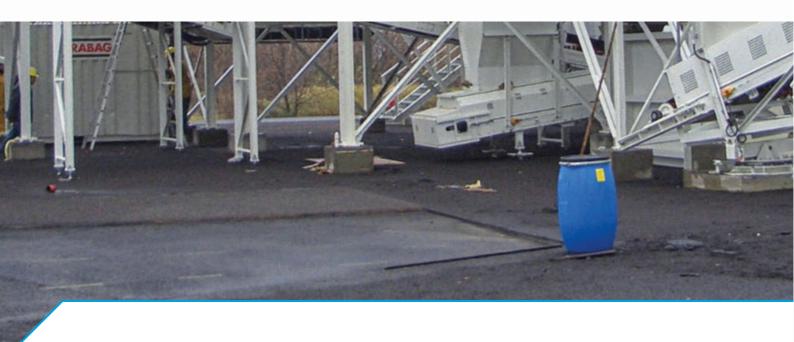
Client AWL Abfallwirtschaftsgesellschaft,

Leverkusen, Germany





SLAG AND BOTTOM ASH FROM INCINERATION BOTTOM ASH TREATMENT





Slag treatment plant Gelsenkirchen, Germany

Location Zentraldeponie Emscherbruch, Germany

Plant Bottom ash treatment

Plant capacity 150 Mg/h

Modification 2021 (extension of the processing line)

Commissioning 2011

Client AGR, Germany

Slag treatment plant Poznan, Poland

Location Poznan, Poland Plant Bottom ash treatment

Plant capacity 40 Mg/h Commissioning 2016

Client Hitachi Zosen Inova, Switzerland

Slag treatment plant Mannheim, Germany

Location Mannheim, Germany
Plant Mobile slag treatment
Plant capacity 0-8 mm = 55 Mg/h

8-75 mm = 40 Mg/h

Commissioning 2009

Client Remex, Germany

Slag treatment plant Halle, Germany

Location Halle, Saxony Anhalt, Germany

Plant Slag treatment with extraction of reusable

materials and preparation of slag as

construction material

Plant capacity 120 Mg/h Commissioning 2005

Client Baumann & Burmeister (Strabag),

Germany



Slag treatment plant Illingen, Germany

Location Illingen, Saarland, Germany

Plant Slag treatment with extraction of reusable

materials and preparation of slag as

construction material

Plant capacity 180,000 Mg/a

Commissioning 1999

Client Sotec, Saarbrücken, Germany

Slag treatment plant Weisweiler, Germany

Location Weisweiler, North Rhine-Westphalia,

Germany

Plant Slag treatment with extraction of reusable

materials and preparation of slag as

construction material

Plant capacity 100,000 Mg/a

Commissioning 1999

Client TRAWA, Aachen, Germany

Slag treatment plant Cologne-Niehl, Germany

Location Cologne-Niehl, North Rhine-Westphalia,

Germany

Plant Slag treatment with extraction of reusable

materials and preparation of slag as

construction material

Plant capacity 130,000 Mg/a

Commissioning 1998

Client AVG Abfallentsorgungs- und

Verwertungsgesellschaft Köln,

Cologne, Germany



Slag treatment plant MVR Rugenberger Damm, Hamburg, Germany

Location Hamburg, Germany

Plant Slag treatment with extraction of reusable

materials and preparation of slag as

construction material

Plant capacity 50 Mg/h Commissioning 1998

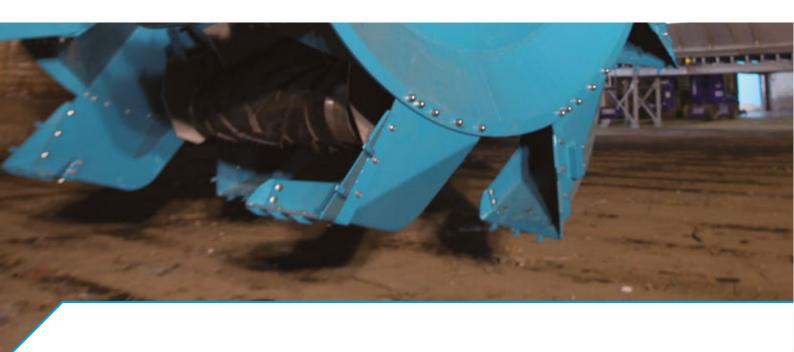
Client MVR Müllverwertung Rugenberger

Damm, Hamburg, Germany





COMPOSTING PLANTS





Composting plant Bützberg, Germany

Location Bützberg, Germany

Plant Windrow system Wendelin

45,000 Mg/a Plant capacity

Commissioning 2027

Client Stadtreinigung Hamburg, Germany

Composting plant Oberschmon, Germany

Location Oberschmon, Germany

Plant Composting of sewage sludge,

System BIODEGMA

30,000 Mg/a Plant capacity

Commissioning 2022

Client Wiese Umwelt Service, Germany

Composting plant Obersontheim, Germany

Location Obersontheim, Germany

Plant Composting Plant, System BIODEGMA

25,000 Mg/a Plant capacity

Commissioning 2020

Client KGH Umweltservice, Germany

Waste management Hannover, Germany

Location Hannover, Lower Saxony, Germany Plant

Second windrow system Wendelin

plus charging bridge

40,000 Mg/a Plant capacity

Commissioning 2020

Client AHA Hannover, Germany



Composting plant Działdowo, Poland

Location Działdowo, Poland

Plant Stabilisation of MSW fraction < 80mm,

System BIODEGMA

Plant capacity 15,000 Mg/a

Commissioning 2019

Client Ekologiczny Związek Gmin

"Działdowszczyzna", Poland

Composting plant Rekowo, Poland

Location Rekowo, Poland

Plant Stabilisation of MSW fraction < 80mm,

System BIODEGMA

Plant capacity 8,000 Mg/a

Commissioning 2019

Client ZZO Sierzno, Rekowo, Poland

Composting plant Kwidzyn, Poland

Location Kwidzyn, Poland

Plant Stabilisation of MSW fraction < 80mm,

System BIODEGMA

Plant capacity 12,000 Mg/a

Commissioning 2019

Client Zakład Utylizacji Odpadów, Poland

Composting plant Goch, Germany

Location Goch, North Rhine-Westphalia, Germany Plant Bio waste and green waste composting,

System BioFIX

Plant capacity 70,000 Mg/a

Upgrade 2019 Commissioning 1998

Client Schönmackers Umweltdienste, Goch, Germany



Composting plant Osnabrück, Germany

Location Osnabrück, Lower Saxony, Germany Plant Composting plant for the treatment

of Organic and green waste, tunnel

composting system

Plant capacity 122,000 Mg/a

Commissioning 2018

Client Kompostierungsgesellschaft Region

Osnabrück, Germany

Composting plant Buchen, Germany

Location Buchen, Germany

Plant Composting Plant for Green Waste,

System BIODEGMA

Plant capacity 5,000 Mg/a

Commissioning 2017

Client AWN Abfallwirtschaftsgesellschaft des Neckar-

Odenwald-Kreises, Germany

Composting plant Wiesbaden, Germany

Location Wiesbaden, Germany

Plant Composting Plant for Green Waste,

System BIODEGMA

Plant capacity 13,000 Mg/a

Commissioning 2017

Client HK & G Service, Germany

Composting plant Dar es Salaam, Tansania

Location Dar es Salaam, Tansania

Plant Source separated organics - composting plant,

System BIODEGMA

Plant capacity 55,000 Mg/a

Commissioning 2016

Client Dr. Kölsch Geo- und Umwelttechnik, Germany



Waste management Hannover, Germany

Location Hannover, Lower Saxony, Germany

Plant Windrow system Wendelin

Plant capacity 40,000 Mg/a

Commissioning 2016

Client AHA Hannover, Germany

Composting plant Varaždin, Croatia

Location Varaždin, Croatia

Plant Composting of sewage sludge,

System BIODEGMA

Plant capacity 5,000 Mg/a

Commissioning 2015

Client HIS D.O.O., Croatia

Composting plant Słupsk, Poland

Location Słupsk, Poland

Plant Stabilisation of MSW fraction < 80mm,

System BIODEGMA

Plant capacity 13,000 Mg/a

Commissioning 2015

Client PGK Słupsk-Baza, Poland

Composting plant Kołobrzeg, Poland

Location Kołobrzeg, Poland

Plant Stabilisation of MSW fraction < 80mm,

System BIODEGMA

Plant capacity 16,000 Mg/a

Commissioning 2015

Client MZZ Kolobrzeg, Poland



Composting plant Wola Pawłowska, Poland

Location Wola Pawłowska, Poland

Plant Stabilisation of MSW fraction < 80mm,

System BIODEGMA

Plant capacity 20,500 Mg/a

Commissioning 2015

Client PUK, Poland

Composting plant Sosnowiec, Poland

Location Sosnowiec, Poland

Plant Stabilisation of MSW fraction < 80mm,

System BIODEGMA

Plant capacity 26,000 Mg/a

Commissioning 2015

Client MZSO Sosnowiec, Poland

Composting plant Bolesław, Poland

Location Bolesław, Poland

Plant Stabilisation of MSW fraction < 80mm,

System BIODEGMA

Plant capacity 21,000 Mg/a

Commissioning 2015

Client ZGK Bolesław, Poland

Composting plant Rybnik, Poland

Location Rybnik, Poland

Plant Stabilisation of MSW fraction < 80mm,

System BIODEGMA

Plant capacity 20,000 Mg/a

Commissioning 2015

Client Sego, Poland



Waste management Linkenbach, Germany

Location Neuwied, Kreis Neuwied, Germany

Plant Tunnel composting

Plant capacity 39,000 Mg/a

Commissioning 2014

Client Kreis Neuwied, Germany

Waste management Düsseldorf, Germany

Location Düsseldorf, KDM, Germany

Plant Presorting treatment before composting

Plant capacity 40 Mg/h Commissioning 2013

Client KDM, Düsseldorf, Germany

Composting plant Toskana, Italy

Location Terranova Toskana, Italy

Plant Bio waste and green waste composting

System BioFIX

Plant capacity 44,300 Mg/a

Commissioning 2007

Client Unieco, Italy

Bio waste composting in combination with mechanical-biological waste treatment, Piemont, Italy

Location Piemont, Italy

Plant Mechanical and biological waste treatment

System BioFIX

Plant capacity 18,000 Mg/a

Commissioning 2004

Client Unieco, Italy



Composting plant Schwegermoor, Germany

Location Schwegermoor, Lower Saxony, Germany Plant Bio waste and green waste composting

optimisation: Tunneled system procedure

Plant capacity 50,000 Mg/a

Commissioning 2003

Client K.R.O., Schwegermoor, Germany

Composting plant Stavanger, Norway

Location Stavanger, Norway

Plant Bio waste and green waste composting

System BioFIX

Plant capacity 28,000 Mg/a

Commissioning 2000

Client IVAR Interkommunalt Vann, Avlops-og

Renovasjonsverk, Forus, Norway

Composting plant Contarina, Italy

Location Spresiano (TV), Italy

Plant Bio waste and green waste composting

as well as biological waste treatment

System Wendelin and Trimalin

Plant capacity 52,200 Mg/a

Commissioning 2000

Client Lurgi Entsorgung, Ratingen,

Germany

Composting plant Viersen, Germany

Location Viersen, North Rhine-Westphalia, Germany Bio waste and green waste composting

Bio waste and green waste composting System BioFIX

Plant capacity 50,000 Mg/a

Commissioning 1998

Client Reterra, Viersen, Germany



Composting plant Neuss-Korschenbroich, Germany

Location Neuss-Korschenbroich, North Rhine-

Westphalia, Germany

Plant Bio waste and green waste composting

System Kompoflex

Plant capacity 40,000 Mg/a

Commissioning 1998

Client Reterra, Viersen, Germany

Composting plant Düsseldorf, Germany

Location Ratingen, North Rhine-Westphalia,

Germany

Plant Bio waste and green waste composting

System BioFIX 35,000 Mg/a

Plant capacity 35,00

Commissioning 1997

Client KDM – Kompostierungs- und

Vermarktungsges. für Kreis Mettmann,

Düsseldorf, Germany

Composting plant Cologne-Niehl, Germany

Location Cologne-Niehl, North Rhine-Westphalia,

Germany

Plant Bio waste and green waste composting

System Kompoflex

Plant capacity 42,000 Mg/a

Commissioning 1997

Client AVG Abfallentsorgungs- und Verwertungs-

Gesellschaft Köln, Cologne, Germany

Composting plant VZEK, Germany

Plant

Location Erftstadt, North Rhine-Westphalia, Germany

Bio waste and green waste composting

System Kompoflex

Plant capacity 54,000 Mg/a

Commissioning 1997

Client Remondis, Erftstadt, Germany



Composting plant Bischofsheim, Germany

Location Bischofsheim, Hesse, Germany

Plant Bio waste and green waste composting,

treatment

Plant capacity 30,000 Mg/a

Commissioning 1995

Client Riedwerke, Groß Gerau, Germany

Composting plant Lochau, Germany

Location Lochau, Saxony-Anhalt, Germany

Plant Bio waste and green waste composting

System BioFIX

Plant capacity 6,500 Mg/a

Commissioning 1994

Client Mitteldeutsche Umwelt- und Entsorgung,

Braunsbedra, Germany

Composting plant Gut Müttinghoven, Germany

Location Swisttal-Morenhoven, North Rhine-

Westphalia, Germany

Plant Bio waste and green waste composting

System BioFIX

Plant capacity 12,000 Mg/a

Commissioning 1993 Client KDM

Reterra, Erftstadt, Germany





FERMENTATION PLANTS





Fermentation plant Erbenschwang, Germany

Location Ingenried, Bavaria, Germany

Plant Fermentation plant for residual waste

Plant capacity 60,000 Mg/a

Commissioning 2019

Client Eva, Ingenried, Germany

Fermentation plant Gescher, Germany

Location Gescher North Rhine-Westphalia, Germany

Plant Fermentation plant

Plant capacity 60,000 Mg/a

Commissioning 2014

Client EGW, Gescher, Germany





WOOD TREATMENT PLANTS





Wood treatment plant Vossenack, Germany

Location Düren, North Rhine-Westphalia, Germany

Plant Treatment plant for the production

of wood chips and pellets

Plant capacity 65,000 Mg/a

Commissioning 2007

Client STAWAG, Aachen, Germany





CONVEYING EQUIPMENT





Different conveying equipment Amman, Jordan

Location Amman, Jordan

Plant Different conveying equipment

Plant capacity 2017

Client Adelmann Umwelt, Karlstadt, Germany

Plant for data destruction Cologne, Germany

Location Cologne, Germany

Plant Conveying equipment and measuring units

Plant capacity 10 Mg/h Commissioning 2007

Client Bruckmann, Cologne, Germany

Plant for RDF in Austria

Location Sankt Pantaleon, Austria

Plant Conveying equipment and air separation

Plant capacity 8 Mg/h Commissioning 2006

Client Neuhauser, Austria

Plant for pre-treatment and crushing of bulky waste, Rotterdam, The Netherlands

Location Rotterdam, The Netherlands

Plant Conveying equipment

Plant capacity 50 Mg/h Commissioning 2002

Client Rentec, Pittem, Belgium for

AVR, Rotterdam, The Netherlands

Gipswerke Lochau, Germany

Location Lochau, Saxony-Anhalt, Germany

Plant Conveying equipment

Plant capacity 380 Mg/h Commissioning 1998

Client Gipswerke Lochau, Döllnitz,

Germany

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