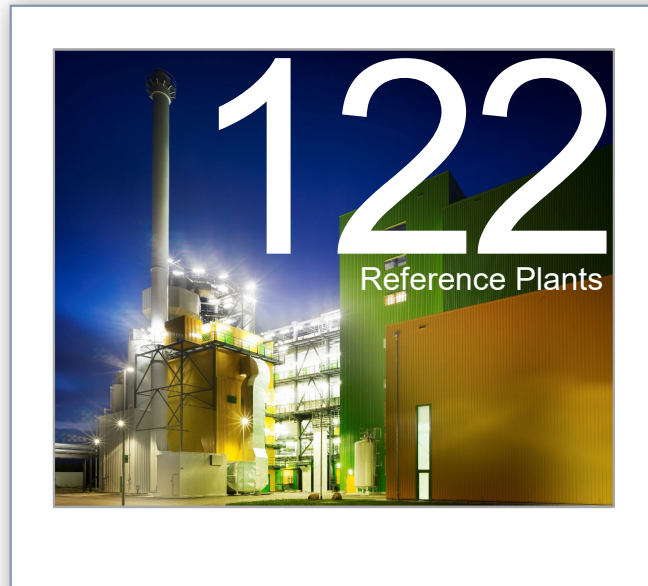


Reference plants for the use of Residues (Solid Fuels)



Extraction from the Total List of Reference Plants

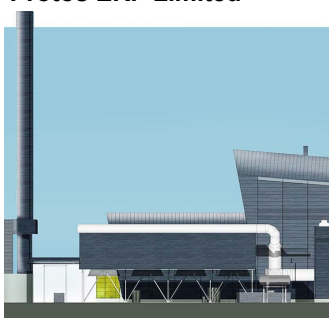
2 Plants thereof as EPC

RDF Plant Romonta DK7, Amsdorf, Germany
Romonta EBS GmbH



Rated thermal input	:	55	MW
Steam capacity	:	64	t/h
Steam pressure Boiler	:	77	bar
Steam temperature Boiler	:	422	°C
Fuel	:	RDF, household waste	
Scope	:	EPC-T	
Year of commissioning	:	2024	

Protos Energy Recovery Facility, Ellesmere Port, Great Britain
Protos ERF Limited



Rated thermal input	:	2 x	74	MW
Steam capacity	:	2 x	91,4	t/h
Steam pressure Boiler	:		75	bar
Steam temperature Boiler	:		450	°C
Fuel	:	RDF, household waste		
Scope	:	Chute to stack		
Year of commissioning	:	2024		

ENERGY PRODUCTION CENTER CHALAMPÉ, France
B+T Energie France S.A.S (B+T group)



Rated thermal input	:	80	MW
Steam capacity	:	96,8	t/h
Steam pressure Boiler	:	66	bar
Steam temperature Boiler	:	425	°C
Steam supply battery limit to ALSACHIMIE	:	≥ 72	t/h
Steam pressure battery limit to ALSACHIMIE	:	63	bar
Steam temperature battery limit to ALSACHIMIE	:	420	°C
Fuel	:	Household waste, industrial waste	
Scope	:	Technical EPC Scope incl. back pressure turbine	
Year of commissioning	:	2023	

EfW CHPP Stapelfeld, Germany
EEW Energy from Waste Stapelfeld GmbH



Rated thermal input	:	120	MW
Steam capacity	:	147,4	t/h
Steam pressure	:	42	bar
Steam temperature	:	400	°C
Fuel	:	Household and industrial waste	
Scope	:	Boiler Island	
Year of commissioning	:	2023	

EfW NESS Aberdeen, Great Britain
ACCIONA Industrial UK Ltd



Rated thermal input	:	49	MW
Steam capacity	:	63	t/h
Steam pressure	:	65	bar
Steam temperature	:	425	°C
Fuel	:	Household waste	
Scope	:	Boiler Island	
Year of commissioning	:	2021	

Baldovie EfW CHP Facility, Dundee, Great Britain
MVV Environment Baldovie Ltd.



Rated thermal input	:	39,9	MW
Steam capacity	:	49,2	t/h
Steam pressure	:	44	bar
Steam temperature	:	405	°C
Fuel	:	Household and industrial waste	
Scope	:	EPC	
Year of commissioning	:	2020	

WtE Plant Kaunas, Lithuania
UAB Kauno kogeneracinė jėgainė



Rated thermal input	:	85	MW
Steam capacity	:	107	t/h
Steam pressure	:	77	bar
Steam temperature	:	450	°C
Fuel	:	Mix of different waste streams (MSW / RDF)	
Scope	:	Boiler Island	
Year of commissioning	:	2020	

Daesan SRF Power Plant, South Korea
WELCRON Hantec Co. Ltd.



Rated thermal input	:	118	MW
Steam capacity	:	137	t/h
Steam pressure	:	53	bar
Steam temperature	:	405	°C
Fuel	:	Solid recovered fuel from waste (SRF)	
Scope	:	Boiler Island	
Year of commissioning	:	2018	

TREA II Gießen, Germany
Stadtwerke Gießen AG



Rated thermal input	:	10	MW
Steam capacity	:	13,8	t/h
Steam pressure	:	44	bar
Steam temperature	:	390	°C
Fuel	:	Mix of different waste streams (MSW / RDF)	
Scope	:	Boiler Island	
Year of commissioning	:	2017	

Devonport EfW CHP Facility, Plymouth, Great Britain
MVV O&M GmbH



Rated thermal input	:	82	MW
Steam capacity	:	104	t/h
Steam pressure	:	60	bar
Steam temperature	:	420	°C
Fuel	:	Household and household-like industrial waste	
Scope	:	Boiler Island	
Year of commissioning	:	2015	

CHP Plant Spreerecycling, Spremberg, Germany
Spreerecycling GmbH & Co. KG



Rated thermal input	:	110	MW
Steam capacity	:	134	t/h
Steam pressure	:	41	bar
Steam temperature	:	400	°C
Fuel	:	Mix of different waste streams (MSW / RDF)	
Scope	:	Boiler Island	
Year of commissioning	:	2013	

WtE Plant Bremen, Germany
swb Entsorgung GmbH



Rated thermal input	:	2 x	74	MW
Steam capacity	:	2 x	82,5	t/h
Steam pressure	:	42		bar
Steam temperature	:	420		°C
Fuel	:	Household and industrial waste		
Scope	:	Boiler Island		
Year of commissioning	:	2011/2013		

WtE Plant Oulu, Finland
Oulun Energia Oy



Rated thermal input	:	52,4	MW
External superheater	:	5	MW
Steam capacity	:	58,7	t/h
Steam pressure	:	88	bar
External superheater	:	84	bar
Steam temperature	:	425	°C
External superheater	:	515	°C
Fuel	:	Household and industrial waste	
Scope	:	Boiler Island	
Year of commissioning	:	2012	

PreZero Energy GmbH in Bernburg (PEB), Germany
PreZero Energy GmbH (formerly Energie Anlage Bernburg GmbH)



Rated thermal input	:	3 x	70	MW
Steam capacity	:	3 x	80	t/h
Steam pressure	:		42	bar
Steam temperature	:		410	°C
Fuel	:	Mix of different waste streams (MSW / RDF)		
Scope	:	EPC		
Year of commissioning	:	2010		

RDF Plant Romonta, Amsdorf, Germany
ROMONTA Reststoffverwertungs GmbH



Rated thermal input	:		28	MW
Steam capacity	:		30	t/h
Steam pressure	:		40	bar
Steam temperature	:		400	°C
Fuel	:	Mix of different waste streams (MSW / RDF)		
Scope	:	Boiler Island		
Year of commissioning	:	2009		

TRB Bitterfeld, Germany
PD Energy GmbH



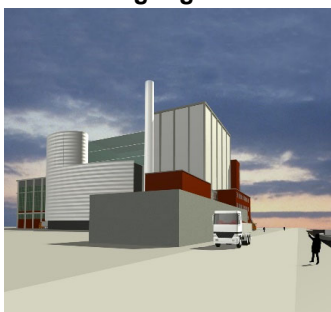
Rated thermal input	:	56	MW
Steam capacity	:	64	t/h
Steam pressure	:	43	bar
Steam temperature	:	400	°C
Fuel	:	Mix of different waste streams (MSW / RDF)	
Scope	:	Boiler Island	
Year of commissioning	:	2009	

Biostoom Plant Oostende, Belgium
Biostoom Oostende nv (formerly Electrawinds Biostoom NV)



Rated thermal input	:	70	MW
Steam capacity	:	80	t/h
Steam pressure	:	42	bar
Steam temperature	:	402	°C
Fuel	:	Mix of different waste streams (MSW / RDF)	
Scope	:	Technical EPC	
Year of commissioning	:	2009	

MKK Bremen, Germany
swb Erzeugung GmbH & Co. KG



Rated thermal input	:	110	MW
Steam capacity	:	127	t/h
Steam pressure	:	40	bar
Steam temperature	:	400	°C
Fuel	:	Mix of different waste streams (MSW / RDF)	
Scope	:	Boiler Island	
Year of commissioning	:	2009	

RDF Power Plant Weener, Germany

Klinge Paperwerke GmbH & Co. KG (formerly Weener Energie GmbH)



Rated thermal input	:	70	MW
Steam capacity	:	85	t/h
Steam pressure	:	27	bar
Steam temperature	:	320	°C
Fuel	:	Mix of different waste streams (MSW / RDF)	
Scope	:	Boiler Island	
Year of commissioning	:	2008	

WtE Plant Frankfurt Nordweststadt, Germany

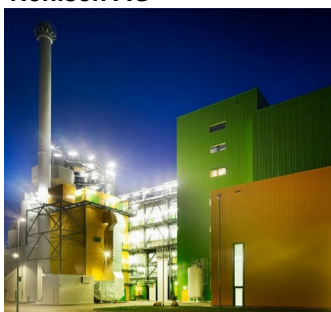
Lentjes GmbH (formerly Lurgi Lentjes AG)



Rated thermal input	:	2 x	62,8	MW
Steam capacity	:	2 x	67,2	t/h
Steam pressure	:		60	bar
Steam temperature	:		500	°C
Fuel	:	Household, household-like industrial waste		
Scope	:	Boiler Island		
Year of commissioning	:	2008		

RDF Power Plant Stavenhagen, Germany

Nehlsen AG



Rated thermal input	:	47,5	MW
Steam capacity	:	54,8	t/h
Steam pressure	:	43	bar
Steam temperature	:	400	°C
Fuel	:	Mix of different waste streams (MSW / RDF)	
Scope	:	Boiler Island	
Year of commissioning	:	2007	

MSZ 3 Moscow, Russia
EVN AG



Rated thermal input	:	2 x	46	MW
Steam capacity	:	2 x	57,5	t/h
Steam pressure	:		37	bar
Steam temperature	:		360	°C
Fuel	:		Household waste	
Scope	:		Boiler Island	
Year of commissioning	:		2007	

Tyre Combustion Plant Polgár, Hungary
TECHCON Környezetvédelmi és Energetikai Szolgáltató Kft



Rated thermal input	:		23	MW
Steam capacity	:		27,4	t/h
Steam pressure	:		81	bar
Steam temperature	:		503	°C
Electrical power output	:		7	MW
Fuel	:		Used tyres, natural gas	
Scope	:		Boiler Island	
Year of commissioning	:		2007	

WMF Allington Quarry, Kent, Great Britain
Lentjes GmbH (formerly Lurgi Lentjes AG)



Rated thermal input	:	3 x	53,8	MW
Steam capacity	:	3 x	58	t/h
Steam pressure	:		65	bar
Steam temperature	:		420	°C
Fuel	:		Municipal, household and industrial waste	
Scope	:		Boiler Island	
Year of commissioning	:		2006	

Sleco-Centrale, Beveren, Belgium

Lentjes GmbH (formerly Lurgi Benelux NV)



Rated thermal input	:	3 x	52	MW
Steam capacity	:	3 x	61,5	t/h
Steam pressure	:		42	bar
Steam temperature	:		400	°C
Fuel	:	Household waste, residues and sewage sludge		
Scope	:	Boiler Island		
Year of commissioning	:	2006		

WtE Plant Frankfurt Nordweststadt, Germany

Lentjes GmbH (formerly Lurgi Lentjes AG)



Rated thermal input	:	2 x	62,8	MW
Steam capacity	:	2 x	67,2	t/h
Steam pressure	:		60	bar
Steam temperature	:		500	°C
Fuel	:	Household, household-like industrial waste		
Scope	:	Boiler Island		
Year of commissioning	:	2006		

HVC Alkmaar, The Netherlands

von Roll & BAM-NBM



Rated thermal input	:		75	MW
Steam capacity	:		88,4	t/h
Steam pressure	:		43	bar
Steam temperature	:		405	°C
Fuel	:	Household and industrial waste		
Scope	:	Boiler Island		
Year of commissioning	:	2005		

SWIP Budapest, Hungary
Lentjes GmbH (formerly Lurgi Energie und Entsorgung GmbH)



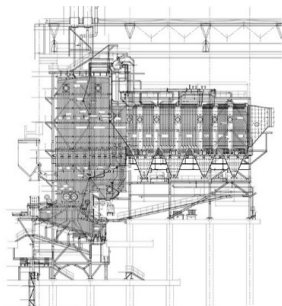
Rated thermal input	:	4 x	39	MW
Steam capacity	:	4 x	40	t/h
Steam pressure	:		41	bar
Steam temperature	:		405	°C
Fuel	:	Household and industrial waste		
Scope	:	Boiler Island		
Year of commissioning	:	2004/2005		

Romonta, Amsdorf, Germany
Romonta Beteiligungs GmbH



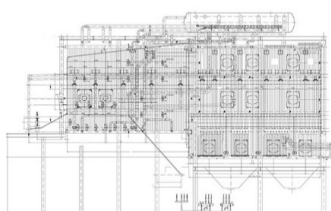
Rated thermal input	:		28	MW
Steam capacity	:		30	t/h
Steam pressure	:		40	bar
Steam temperature	:		400	°C
Fuel	:	Mix of different waste streams(MSW / RDF)		
Scope	:	Boiler Island		
Year of commissioning	:	2004		

Issy-les-Moulineaux, Paris, France
von Roll Umwelttechnik AG



Rated thermal input	:	2 x	85	MW
Steam capacity	:	2 x	118	t/h
Steam pressure	:		51	bar
Steam temperature	:		400	°C
Fuel	:	Household waste		
Scope	:	Basic & Detail Engineering		
Year of commissioning	:	2002		

UIOM Dijon, France
von Roll Umwelttechnik AG



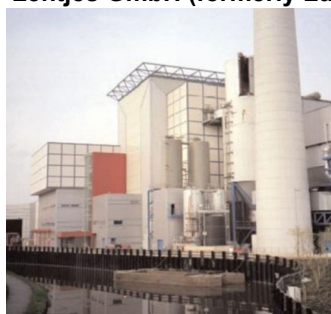
Rated thermal input	:	2 x	40	MW
Steam capacity	:	2 x	31	t/h
Steam pressure	:		22	bar
Saturated steam temperature	:		226	°C
Fuel	:		Household waste	
Scope	:		Boiler Island	
Year of commissioning	:		2002	

UIOM Perpignan, France
Lentjes GmbH (formerly Lurgi Energie und Entsorgung GmbH)



Rated thermal input	:	2 x	33,8	MW
Steam capacity	:	2 x	40	t/h
Steam pressure	:		41	bar
Steam temperature	:		380	°C
Fuel	:		Household waste	
Scope	:		Boiler Island	
Year of commissioning	:		2002	

WtE Kirklees, Huddersfield, Great Britain
Lentjes GmbH (formerly Lurgi Energie und Entsorgung GmbH)



Rated thermal input	:		45	MW
Steam capacity	:		52	t/h
Steam pressure	:		41	bar
Steam temperature	:		400	°C
Fuel	:		Household waste	
Scope	:		Boiler Island	
Year of commissioning	:		2001	

ETRSU Madeira, Portugal

Lentjes GmbH (formerly Lurgi Energie und Entsorgung GmbH)



Rated thermal input	:	2 x	16,7	MW
Steam capacity	:	2 x	21	t/h
Steam pressure	:		41	bar
Steam temperature	:		400	°C
Fuel	:		Household waste	
Scope	:		Boiler Island	
Year of commissioning	:		2001	

TE Power Stations, San Vittore, Colleferro, Terni, Italy

Lentjes GmbH (formerly Lurgi Energie und Entsorgung GmbH)



Rated thermal input	:	4 x	52	MW
Steam capacity	:	4 x	54	t/h
Steam pressure	:		45	bar
Steam temperature	:		420	°C
Fuel	:		Domestic refuse	
Scope	:		Boiler Island	
Year of commissioning	:		2001	

MSWIP Taoyuan, Taiwan

Lentjes GmbH (formerly Lurgi Energie und Entsorgung GmbH)



Rated thermal input	:	2 x	75	MW
Steam capacity	:	2 x	95	t/h
Steam pressure	:		40	bar
Steam temperature	:		400	°C
Fuel	:		Household waste	
Scope	:		Boiler Island	
Year of commissioning	:		2001	

WtE Plant Würzburg, Germany
Bilfinger Noell GmbH (formerly NOELL)



Rated thermal input	:	53,6	MW
Steam capacity	:	61,5	t/h
Steam pressure	:	42	bar
Steam temperature	:	415	°C
Fuel	:	Household waste	
Scope	:	Boiler Island	
Year of commissioning	:	1998	

WtE Plant Wuppertal B1, Germany
Lentjes AG



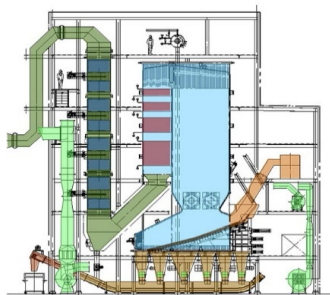
Rated thermal input	:	40	MW
Steam capacity	:	50	t/h
Steam pressure	:	31	bar
Steam temperature	:	350	°C
Fuel	:	Household waste	
Scope	:	Boiler Island	
Year of commissioning	:	1998	

WtE Plant Pirmasens, Pirmasens, Germany
von Roll Umwelttechnik AG



Rated thermal input	:	2 x	35	MW
Steam capacity	:	2 x	46,9	t/h
Steam pressure	:	40		bar
Steam temperature	:	400		°C
Fuel	:	Household waste		
Scope	:	Boiler Island		
Year of commissioning	:	1997		

Used Tyres Disposal Chewton Glen, Illinois, USA



Rated thermal input	:	72	MW
Steam capacity	:	80	t/h
Design pressure	:	106	bar
Steam temperature	:	512	°C
Fuel	:	Used tyres	
Scope	:	Boiler Island	
Year of commissioning	:	1996	

WtE Plant Ulm, Germany
von Roll Umwelttechnik AG



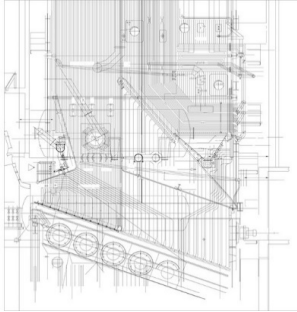
Rated thermal input	:	2 x	22,5	MW
Steam capacity	:	2 x	26	t/h
Steam pressure	:		41	bar
Steam temperature	:		360	°C
Fuel	:		Household waste	
Scope	:		Boiler Island	
Year of commissioning	:		1996	

MVA Offenbach, Germany
Mannesmann-Lentjes, Ratingen



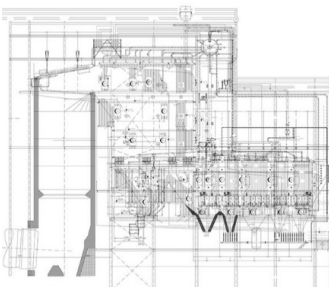
Rated thermal input	:	3 x	25	MW
Steam capacity	:	3 x	27	t/h
Steam pressure	:		41	bar
Steam temperature	:		405	°C
Fuel	:		Household waste	
Scope	:		Boiler Island	
Year of commissioning	:		2 x 1995 + 1 x 1997	

WtE Plant Ludwigshafen, Germany
Lentjes GmbH (formerly Lurgi Lentjes AG)



Rated thermal input	:		33	MW
Steam capacity	:		34	t/h
Steam pressure	:		44	bar
Steam temperature	:		450	°C
Fuel	:		Household waste	
Scope	:		Boiler Island	
Year of commissioning	:		1995	

AVG Hamburg, Germany
von Roll Umwelttechnik AG



Rated thermal input	:	2 x	31	MW
Steam capacity	:	2 x	35	t/h
Steam pressure	:		31	bar
Steam temperature	:		380	°C
Fuel	:		Hazardous waste	
Scope	:		Boiler Island	
Year of commissioning	:		1994	

Used Tyres Disposal Exeter Energy L.P., Sterling USA



Rated thermal input	:	2 x	50	MW
Steam capacity	:	2 x	54	t/h
Design pressure	:		80	bar
Steam temperature	:		500	°C
Fuel	:		Used tyres	
Scope	:		Boiler Island	
Year of commissioning	:		1991	

Used Tyres Disposal Modesto, California, USA



Rated thermal input	:	2 x	26,5	MW
Steam capacity	:	2 x	30	t/h
Steam pressure	:		68	bar
Steam temperature	:		500	°C
Fuel	:		Used tyres	
Scope	:		Boiler Island	
Year of commissioning	:		1988	