



Turnkey Projects - Waste-to-Energy Plants Reference List

Location	Client	Waste Type	Grate Type	Calorific Value (kJ/kg)	Capacity (tonnes/day)	Thermal Power (MW _{th})	Electrical Power produced (MW _e)	Annual Electrical Power Production (MWh/a)	Flue Gas Cleaning	Start-up
Rheinberg (Germany)	Keppel Seghers (DBOO project for Solvay Infra)	RDF	Water-cooled	15,500	3 x 480	3 x 66	-	-	All-Dry (NEUTREC®) + Active Carbon	engineering ongoing
Doha (Qatar)	Government of the State of Qatar Ministry of Municipality Affairs & Agriculture	RDF	Water-cooled	10,000	2 x 504	2 x 58.3	± 23	180,000	Semi-Dry + Active Carbon	engineering ongoing
Singapore	National Environment Agency (NEA)	MSW	Air-cooled	9,000	2 x 444	2 x 46.3	20	192,000	Dry + Active Carbon	under construction
Örebro (Sweden)	SAKAB Sydkraft	Industrial	Water-cooled / Air-cooled	11,800	1 x 300	41	6,5 (+25 MW _{th})	52,000	Not in Scope	2003
Mannheim (Germany)	Energie- und Wasserwerke Rhein-Neckar	MSW	Air-cooled	9,600	1 x 600	67	-	-	Not in Scope	2003
Beveren (Belgium)	INDAVER	MSW + Industrial	Air-cooled	11,300	1 x 533	70	12 (+ thermal energy)	90,000	Not in Scope	2001
Antwerpen - Wilrijk (Belgium)	ISVAG	MSW	Air-cooled	8,000	2 x 288	2 x 28	12	90,000	Semi-Dry + Active Carbon + Wet	1999
Beveren (Belgium)	INDAVER	MSW + Industrial	Air-cooled	10,800	2 x 319	2 x 40	19	142,500	Semi-Dry + Active Carbon	1997



Electrical & Mechanical Projects - Waste-to-Energy Plants Reference List

Location	Client	Waste Type	Grate Type	Calorific Value (kJ/kg)	Capacity (tonnes/day)	Thermal Power (MWth)	Electrical Power produced (MWe)	Annual Electrical Power Production MWh/a	Flue Gas Cleaning	Start-up
Zhongshan, Guangdong (China)	Zhongshan Tianyi Energy Sources	MSW	Air-cooled	7,000	2 x 450	2 x 36.5	15.5	124,000	Semi-Dry + Active Carbon	under construction
Suzhou, Jiangsu (China)	China Everbright Int.	MSW	Air-cooled	6,700	1 x 500	38.7	8.5	68,000	Semi-Dry + Active Carbon	under construction
Moerdijk (The Netherlands)	Von Roll Inova (for AZN)	MSW	Not in Scope	10,000	1 x 820	95.8	-	-	Not in Scope	under construction
Changzhou, Jiangsu (China)	China Everbright Int.	MSW	Air-cooled	6,000	2 x 400	2 x 28.1	12	96,000	Semi-Dry + Active Carbon	under construction
Tianjin (China)	Tianjin Taihuan Recycling Resource Utilization Co. Ltd	MSW	Air-cooled	6,700	2 x 500	2 x 38.7	20	160,000	Optional	under construction
Kotka (Finland)	Kotkan Energia	MSW	Air-cooled	9,500	1 x 300	33.3	8	64,000	Not in Scope	under construction
Jiangyin, Jiangsu (China)	China Everbright Int.	MSW	Air-cooled	6,000	2 x 400	2 x 28.1	12	96,000	Semi-Dry + Active Carbon	under construction
Modena (Italy)	META (HERA)	RDF	Water-cooled	12,500	1 x 648	78	-	-	Not in Scope	under construction
Suzhou, Jiangsu (China)	China Everbright Int.	MSW	Air-cooled	5,860	3 x 350	3 x 23.8	15.5	116,250	Semi-Dry + Active Carbon	2006
Changshu, Jiangsu (China)	Changshu Pufa Thermoelectric Energy	MSW	Air-cooled	5,500	2 x 330	2 x 21	11	82,500	Semi-Dry + Active Carbon	2006
Amsdorf (Germany)	Romonta GmbH	RDF	Water-cooled	13,000	1 x 186	28	-	-	Not in Scope	2004



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Shenzhen - Baoan, Guangdong (China)	Shenzhen Energy (SEC)	MSW	Air-cooled	5,860	3 x 400	3 x 27	19	142,500	Semi-Dry + Active Carbon	2004
Shenzhen - Nanshan, Guangdong (China)	Shenzhen Energy (SEC)	MSW	Air-cooled	5,860	2 x 400	2 x 27	12	90,000	Semi-Dry + Active Carbon	2004
Ohtsuki (Japan)	Hitachi Metals	MSW	Air-cooled	8,200	2 x 54	2 x 5	-	-	Not in Scope	2003
Kwangju (Korea)	Municipality of Kwangju	MSW	Air-cooled	6,000	2 x 200	2 x 21	4,5 (+ thermal energy)	33,750	Not in Scope	2000
Uijeongbu (Korea)	Municipality of Uijeongbu	MSW	Air-cooled	6,000	2 x 100	2 x 11	2,5 (+ thermal energy)	18,750	Semi-Dry + Active Carbon + SCR	2000
Hiroshima (Japan)	Municipality of Hiroshima	Industrial	Air-cooled	8,000	2 x 30	2 x 3	-	-	Not in Scope	1998
Gent (Belgium)	IVAGO	MSW	Air-cooled	8,500	2 x 156	2 x 17	-	-	Semi-Dry + Active Carbon	1996
Seoul – Mokdong (Korea)	Municipality of Seoul	MSW	Air-cooled	6,000	2 x 200	2 x 21	4,5 (+ thermal energy)	33,750	Semi-Dry + Active Carbon + SCR	1996
Kempton (Germany)	ZAK Kempton	Biomass	Water-cooled	15,000	1 x 194	1 x 21	-	-	Not in Scope	1996
Davis County, Utah (USA)	KATY-SEGHERS	MSW	Air-cooled	11,500	2 x 200	2 x 21	-	-	Not in Scope	1984
Savannah, Georgia (USA)	Montenay Savannah Operations Inc.	MSW	Air-cooled	11,500	2 x 280	2 x 21	-	-	Not in Scope	1984
Oostende (Belgium)	IVOO	MSW	Air-cooled	8,000	2 x 130	2 x 12	4,5	-	ESP	1982



Technology Packages - Waste-to-Energy Plants Reference List

Location	Client	Waste Type	Grate Type	Calorific Value (kJ/kg)	Capacity (tonnes/day)	Thermal Power (MWth)	Electrical Power produced (MWe)	Annual Electrical Power Production MWh/a	Flue Gas Cleaning	Start-up
Colleferro II (Italy)	Lurgi	RDF	Water-cooled	15,000	1 x 278	57.4	12	90,000	Not in Scope	2003
Colleferro I (Italy)	Lurgi	RDF	Water-cooled	15,000	1 x 278	57.4	12	90,000	Not in Scope	2002
Terni (Italy)	Lurgi	RDF	Water-cooled	15,000	1 x 278	57.4	12	90,000	Not in Scope	2002
San Vittore (Italy)	Lurgi	RDF	Water-cooled	15,000	1 x 278	57.4	12	90,000	Not in Scope	2001

