

STEULER

Anlagenbau GmbH & Co. KG

DeNOx**Systems****Reference list 07**

Customer / Operator	Field of application	Number of reactors	Combustible	Capacity [kW]	Volume Flow [Nm ³ /h]	NOx reduction rate [%]	Scope of supply	Commissioning
Roplast Industries Oroville, California (USA)	cogeneration	1	natural gas	1,000	4,910	> 95	DeNOx-Cat Oxi Cat	8/2002
Eisenhower Hospital L.A., California (USA)	cogeneration	2	natural gas	2700 each	10800 each	> 95	DeNOx-Cat Oxi-Cat	8/2002
Trigen-Necco, Boston Massachusetts (USA)	cogeneration	2	natural gas	3.046 each	18.000 each	> 86	DeNOx-Cat Oxi-Cat	10/2002
Rolls-Royce, Tecno-City (I)	power plant	3	natural gas	3200 each	16,500	> 83	DeNOx-Cat	10/2002
Électricité de France (EDF), Isle of Corsica (F)	power plant	4	DIESEL	18000 each	114.000 each	> 73	DeNOx-Cat Oxi-Cat	5/2006
Degussa, Rheinfelden	chemical plant	1	process-gas	-	300	> 98	DeNOx-Cat	10/2002
America Online (AOL), Sterling, VA / USA	power plant	6	DIESEL	6 x 1.600	8.320 each	> 90	DeNOx-Cat	12/2002

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Cummins, (AUSTRALIA)	power plant	18	DIESEL	1,000	6.000 each	> 85	DeNOx-Cat	11/2001
JST Energy LLC, Vancouver (WA /USA)	power plant	2	natural gas	3,000	15.640 each	>80	DeNOx-Cat Oxi-Cat	12/2001
Marina Energie LLC Atlantic City / USA	power plant	3	DIESEL	2,000	9.800 each	> 88	DeNOx-Cat	4/2002
BASF, Shanghai (China)	incineration plant	1	waste	-	12,500	> 92	DeNOx-Cat	2/2002
SPENO, Sydney (AUSTRALIA)	engine on a work train	1	DIESEL	760	4,000	> 80	DeNOx-Cat	2/2002
ESSEX COUNTY JAIL NEW JERSEY (USA)	cogeneration	2	natural gas	3,086	18,200	> 90	DeNOx-Cat Oxi-Cat	6/2002
Washington Convention Centre Washington D.C. (USA)	power plant	4	DIESEL	1100 each	5.500 each	> 70	DeNOx-Cat	7/2002

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PACIFIC DETROIT DIESEL Seattle, (WA / USA)	power plant	11	DIESEL	2,000	9.500 each	> 90	DeNOx-Cat	7/2001
General Electric, Springfield (OG, USA)	power plant	5	natural gas	2,000	9.800 each	> 85	DeNOx-Cat Oxi-Cat	9/2001
General Electric, El CAP (WA, USA)	power plant	10	natural gas	2,000	9.800 each	> 80	DeNOx-Cat Oxi-Cat	10/2001
Accerinox, Spain	stainless steel pickling line	1	-	-	64,000	> 98	DeNOx-Cat	8/2002
General Electric, Santa Anna (CA, USA)	power plant	3	natural gas	2,000	9.800 each	> 85	DeNOx-Cat Oxi-Cat	10/2001
FMED, Chula Vista, Ca / USA	cogeneration	3	dual fuel	3,000	26.400 each	> 90	DeNOx-Cat Oxi-Cat	10/2001
Avesta Polarit, (FINLAND)	stainless steel pickling line	1	-	-	20,000	> 98	DeNOx-Cat	7/2002

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Engelhard, NL	calcination process	4	-	-	1.950 each	99.5	DeNOx-Cat	2/2001
AAN, Veilsdorf	cogen facility	1	bio-diesel	640	1,500	> 67	DeNOX-Cat	12/2000
Asmidal, (Algeria)	fertilizer plant	1	-	-	65,000	> 90	DeNOx-Cat	6/2001
AAN, Wittstock	cogen facility	1	bio-diesel	360	1,500	> 67	DeNOX-Cat	5/2001
BWG, Kirikkale	power plant	4	HFO 4,5% S	130,000	737,000	> 86	DeNOx-Cat	12/2001
MWRA Walnut Hill, USA	power plant	4	DIESEL	2,000	10.000 each	> 90	DeNOx-Cat	4/2003
Exodus Communication, USA	power plant	7	DIESEL	2,000	10.000 each	> 96	DeNOx-Cat	7/2001

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Karl Schäfer, Pforzheim (D)	waste incineration plant	1	-	-	1,200	> 99	Dioxine-Cat	3/1999
Gewerbepark Zittau (D)	cogen facility	4	bio-diesel	4 x 150	1.654 each	> 91	DeNOx-Cat	4/1999
Yieh United Co. Ltd., (Taiwan)	stainless steel pickling line	1	-	-	15,000	95 - 97	DeNOx-Cat	5/2000
Yieh United Co. Ltd., (Taiwan)	stainless steel pickling line	1	-	-	32,000	97	DeNOx-Cat	5/2000
EniChem	waste incineration plant	1	wastes	-	13,120	> 99	Dioxine-Cat	10/2000
Yieh United Co. Ltd., (Taiwan)	mixed acid recovery	1	-	-	12,000	95 - 97	DeNOx-Cat	11/2000
Avesta Sheffield Ltd., (UK)	stainless steel pickling line	1	-	-	24,000	> 97	DeNOx-Cat	1/2001

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Catamaran (Norway)	Propulsion	4	diesel-gas	4 x 800	4.065 each	> 80	DeNOx-Cat	12/1998
Southworth-Milton, Boston (MA, USA)	car shredder	1	diesel-gas	1,000	6,000	> 80	DeNOx-Cat	10/1998
Great Lakes Dredge & Dock, Ok Brook (IL, USA)	dredger barge	4	diesel-gas	3,500	3 x 6.000 1 x 2.540	> 80	DeNOx-Cat	12/1998
Avesta Sheffield, (Sweden)	stainless steel pickling line	1	-	-	7,000	> 98	DeNOx-Cat	10/1998
Ostseebad Damp, Damp (D)	cogen facility	1	diesel	500	2,600	> 50	DeNOx-Cat	10/1998
Supply ship, (Norway)	Propulsion	1	diesel	1,000	5,800	> 85	DeNOx-Cat	3/1999
Socofer, Tours (France)	engine on a work train	4	diesel	4 x 250	1.680 each	> 80	DeNOx-Cat Oxidation Cat	1/2000

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Lane Construction, Lee (MA, USA)	cogen facility	1	diesel-gas	1,000	7,370	91	DeNOx-Cat	6/1997
Thermoselect, Karlsruhe (D)	waste incineration plant	2	-	-	46.000 each	> 90	DeNOx-Cat	5/1998
Mountain Utilities Kirkwood (CA, USA)	power plant	1	diesel-gas	4,800	25,000	90	DeNOx-Cat	10/1997
Barrick Goldstrike Mines, Inc. Barrick (USA)	roasting process	1	-	-	34,500	75	DeNOx-Cat	07/1999
Crematorium, Nuernberg (D)	crematorium	4	-	-	2.500 each	> 96	Dioxine-Cat	12/1998
BHKW Boulder City (Nevada, USA)	cogen facility	3	diesel-gas	3 x 175	1.750 each	> 80	DeNOx-Cat Oxidation Cat	7/1998
Boeringer, Mannheim (D)	incineration plant	1	-	-	4,000	> 98	Dioxine-Cat	9/1998

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Staten Island University Hospital New York (USA)	cogen facility	1	diesel-gas	3,500	19,500	90	DeNOx-Cat	6/1996
W.C. Heraeus, Hanau (D)	incineration plant	1	-	-	3,000	not to be published	combined Cat Dioxine / NOx	9/1996
Tosco Refinery, Martinez (USA)	compressor station	5	natural-gas	5 x 750	5.200 each	86	DeNOx-Cat	12/1996
Guschall, Etzbach (D)	cogen facility	2	diesel	2 x 1.250	6.200 each	> 87	DeNOx-Cat	3/1997
Sammi Steel, (South Korea)	stainless steel pickling line	1	-	-	4,500	96	DeNOx-Cat	4/1999
Karl Schäfer, Pforzheim (D)	waste incineration plant	1	-	-	800	> 63	Dioxine-Cat	11/1996
Karl Schäfer, Pforzheim (D)	waste incineration plant	1	-	-	2,400	> 75	Dioxine-Cat	2/1997

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Socofer, Tours (France)	engine on a work train	4	diesel	4 x 250	1.680 each	> 80	DeNOx-Cat Oxidation Cat	1/1996
Chem Y GmbH, Emmerich (D)	incineration process	1	-	-	5,800	89	DeNOx-Cat	1/1996
BASF, Antwerpen (Belgium)	incineration process	1	-	-	4,800	75	DeNOx-Cat	4/1996
Columbus Joint Venture RSA (South Africa)	pickling line	1	-	-	6,000	97	DeNOx-Cat	6/1996
Great Lakes Dredge & Dock Ok Brook (IL, USA)	dredger barge	1	diesel	300	1,900	80	DeNOx-Cat	12/1995
Outokumpu Oy Polorit, Tornio (Finland)	stainless steel pickling line	1	-	-	6,000	96	DeNOx-Cat	9/1996
Stadtwerke Zittau, Zittau (D)	cogen facility	2	diesel-gas	2 x 2.500	14.410 each	92	DeNOx-Cat Oxidation Cat	11/1996

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Hsin Shih, Tung Ho Textile, (Taiwan)	cogen facility	1	heavy fuel oil	7,100	36.200	> 84	DeNOx-Cat	6/1995
Ma Tou, Tung Ho Textile, (Taiwan)	cogen facility	2	heavy fuel oil	2 x 4.000	24.300 each	87	DeNOx-Cat	7/1995
Takuma Co., Ltd., Osaka (Japan)	stainless steel industry							
Schütz, Selters (D)	cogen facility	2	diesel	2 x 500	2.100 each	60	DeNOx-Cat	5/1995
Schütz, Selters (D)	cogen facility	1	diesel	500	2,100	65	DeNOx-Cat	6/1995
EWR Calbe, Calbe (D)	cogen facility	2	diesel-gas	2 x 5.200	28.820 each	92	DeNOx-Cat	12/1995
DEA refinery, Hamburg-Grasbrook (D)	boiler	3	heavy fuel oil	-	23.150 each	77	DeNOx-Cat	2/1996

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LACSD, Los Angeles (USA)	cogen facility	3	sewage-gas	3 x 10.000	125.000 each	85	DeNOx-Cat	6/1995
Vaasa Kraftwerke, Stendal (D)	cogen facility	3	diesel-gas	3 x 7.900	39.600 each	81	DeNOx-Cat	5/1994
Nippon Oil Co., LTD, Yokohama (Japan)	cogen facility	1	diesel	200	1.255	90	DeNOx-Cat	4/1994
Outokumpu Oy Polorit Tornio (Finland)	pickling line	1	-	-	9.000	98	DeNOx-Cat	11/1994
Tosco Refinery, Martinez (USA)	compressor station	1	natural-gas	750	5.200	86	DeNOx-Cat	9/1994
Columbus Joint Venture 1 (Republic of South Africa)	pickling line	1	-	-	6.000	93	DeNOx-Cat	9/1994
Coltec Ind. / Fairbanks Morse Engine Dev., (USA)	cogen facility	1	diesel-gas	2,500	13.800	90	DeNOx-Cat	4/1995

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Nato Navy Port, Den Helder (NL)	cogen facility	3	dual fuel	3 x 5.100	21.000 each	87	DeNOx-Cat	4/1992
NEAG, Großenkneten (D)	gas compressor station	1	natural-gas	1,500	11,750	94	DeNOx-Cat Oxidation Cat	8/1991
Krupp Stahl AG Düsseldorf-Benrath facility (D)	pickling line	1	-	-	21,000	94	DeNOx-Cat	1/1992
NEAG, Sulingen (D)	gas compressor station	2	natural-gas	2 x 1.500	11.750 each	90	DeNOx-Cat Oxidation Cat	8/1992
Idemitsu, Osaka (Japan)	cogen facility	1	diesel-gas	800	4.500	90	DeNOx-Cat	4/1992
VAW, Bonn (D)	recycling research plant	1	-	-	3.000	90	DeNOx-Cat	8/1993
Krupp Stahl AG, facility Dillenburg (D)	pickling line	1	-	-	19.000	97	DeNOx-Cat	4/1994

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Mobil Oil, Siedenburg-W / E (D)	gas compressor station	6	natural-gas	6 x 1000	7.000 each	88	DeNOx-Cat Oxidation Cat	4/1991
Mobil Oil, Barenburg (D)	gas compressor station	1	natural-gas	1,000	7,000	88	DeNOx-Cat Oxidation Cat	2/1991
Mobil Oil, Wolfersberg (D)	gas compressor station	5	natural-gas	5 x 1.700	13.400 each	92	DeNOx-Cat Oxidation Cat	1/1991
Outokumpu Oy Polarit Tornio (Finland)	stainless steel pickling line	1	-	-	3,000	95	DeNOx-Cat	3/1991
Saar Ferngas, Frankenthal (D)	gas compressor station	2	natural-gas	2 x 1.000	5.900 each	87	DeNOx-Cat Oxidation Cat	3/1991
Speno International S.A., Geneva (CH)	engine on a work train	1	diesel-gas	6,000	2,680	80	DeNOx-Cat VOC Cat	5/1991
public utility, Linköping (Sweden)	cogen facility	2	heavy fuel oil	2 x 7.100	45.500 each	93	DeNOx-Cat	8/1991

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Peißenberg utilities, Peißenberg (D)	cogen facility	1	diesel-gas	6,100	34,000	90	DeNOx-Cat	2/1990
DEA, Wolfersberg (D)	gas compressor station	1	natural gas	1,700	13,400	92	DeNOx-Cat Oxidation Cat	1/1990
cement industry, Chien Tai (Taiwan)	cogen facility	3	heavy fuel oil	3 x 7.100	37.700 each	84	DeNOx-Cat	10/1991
public utility, Järvenpää (Finland)	cogen facility	1	diesel-gas	7,100	41,700	90	DeNOx-Cat	7/1990
Bank house, Basel (CH)	cogen facility	1	diesel-gas	625	3,700	90	DeNOx-Cat	5/1990
Company Nordenia, Steinfeld (D)	cogen facility	1	diesel-gas	5,100	26,480	65	DeNOx-Cat Oxidation Cat	9/1990
NEAG, Großenkneten (D)	gas compressor station	2	natural-gas	2 x 1.500	11.750 each	94	DeNOx-Cat Oxidation Cat	8/1990

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Spenco International S.A., Geneva (CH)	engine on a work train	1	diesel-gas	600	2,680	80	DeNOx-Cat	3/1998
Community of Gelsenkirchen (D)	cogen facility	2	diesel-gas	5.100 each	26.500 each	95	DeNOx-Cat Oxidation Cat	9/1988
Pfizer, Adams (MA, USA)	cogen facility	1	diesel-gas	5,000	27,000	95	DeNOx-Cat	9/1988
Chemical industry Beaumont, (TX, USA)	calcination plant	2	-	-	25,000	99	DeNOx-Cat Oxidation Cat	11/1989
Mobil Oil, San Ardo, (CA, USA)	gas turbine	2	natural gas	2 x 3300	54.000 each	65	DeNOx-Cat	4/1989
Spenco International S.A. Geneva (CH)	engine on a work train	1	diesel-gas	600	2,680	80	DeNOx-Cat Oxidation Cat	7/1989
Mobil Oil, Belridge (CA, USA)	gas turbine	3	natural gas	3 x 3300	54.000 each	80	DeNOx-Cat	11/1989

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Bank house of lower Saxony, Hannover (D)	Cogen facility	1	diesel-gas	625	3,370	> 85	DeNOx-Cat Oxidation Cat	3/1986
Oberlandglas AG, Neuburg a.d.D. (D)	glass melting furnace	1	-	-	50,000	80	DeNOx-Cat	10/1987
Peißenberg utilities, Peißenberg (D)	cogen facility	1	diesel-gas	6,100	34,000	90	DeNOx-Cat	11/1987
Sewage plant II, Munich (D)	cogen facility	5	diesel-gas	5 x 1.750	8.900 each	85	DeNOx-Cat	5/1990
Bank House, Basel (CH)	cogen facility	2	diesel-gas	2 x 625	3.450 each	9	DeNOx-Cat Oxidation Cat	2/1988
Sewage plant, Delmenhorst (D)	cogen facility	1	natural gas	300	1,370	88	DeNOx-Cat	2/1988
Depogas, Berlin (D)	cogen facility	3	landfill gas	3 x 1500	6.357 each	85	DeNOx-Cat	2/1988

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Nixdorf-Computer AG, Paderborn (D)	Cogen facility	2	natural gas	3 x 1.500	9.500 each	> 85	DeNOx-Cat	12/1985
Community of Norderstedt (D)	Cogen facility	6	natural gas	6 x 750	3.700 each	> 85	DeNOx-Cat	9/1985
VBH, Heligoland Island (D)	Cogen facility	1	heavy oil	6,000	30,000	> 90	DeNOx-Cat	12/1989
Schott, Mainz (D)	glass melting furnace	1	-	-	5,000	> 80	DeNOx-Cat	10/1985
RWE, Essen (D)	Coal-fired power plant	1	brown coal	-	5,000	> 80	DeNOx-Cat	7/1985
Community of Bad Oeyenhausen (D)	Cogen facility	2	natural gas	2 x 750	5.000 each	> 90	DeNOx-Cat	11/1985
Klöckner-Humboldt-Deutz AG Cologne (D)	Cogen facility	1	diesel-gas	60	250	> 90	DeNOx-Cat	10/1985

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Nixdorf Computer AG, Paderborn (D)	Cogen facility	3	natural gas	3 x 1.000	6.500 each	> 85	DeNOx-Cat	12/1983
Stadtwerke Dreieich (D)	Cogen facility	5	natural gas	5 x 155	687 each	85	DeNOx-Cat	3/1985
MAN, Munich (D)	Cogen facility	1	natural gas	80	380	90	DeNOx-Cat	3/1985
Chemical Industrie (D)	calcination plant	1	-	-	3,000	>90	DeNOx-Cat	3/1985
VEW, Dortmund (D)	Coal-fired power plant	1	coal	-	10,000	> 85	DeNOx-Cat	2/1985
University Hamburg / Harburg (D)	Cogen facility	4	natural gas	4 x 750	2 x 3.900 2 x 5.200	85	DeNOx-Cat	10/1985
Community of Heidelberg (D)	Cogen facility	1	Diesel	75	350	90	DeNOx-Cat	7/1985