

## Infracone sonic cleaning industrial and power plant reference list

<b>EnBW Badenwerk</b> Karlsruhe, Germany	Industry: Energy Fuel: Ruhr coal and Saar coal Installed: 2001 Application: (2) APX5000, Catalyst Capacity: 600 MW (electrical power)	DE-107
<b>Vattenfall/Tiefstack</b> Hamburg, Germany	Industry: Energy Fuel: Ruhr coal and Columbia coal Installed: 1998 Application: (2) APX2000, Catalyst Capacity: 2 x 150 MW (electrical power)	DE-110
<b>EVO Offenbach</b> Offenbach, Germany	Industry: Energy Fuel: Ruhr coal and South African coal Installed: 1993-1996 Application: (4) APX2000, Economizer, Air preheater (tubular) (2) APL1600, Superheater Capacity: 2 x 110 MW (electrical power)	DE-127
<b>Bayer Uerdingen</b> Krefeld, Germany	Industry: Energy Fuel: Large types of coal (breiten brennstoffband) Installed: 1998 Application: APX2000, Economizer (U-101 boiler) Capacity: 95 MW (thermal power)	DE-174
<b>Solvay Chemicals GmbH</b> Rheinberg, Germany	Industry: Chemical Fuel: Coal Installed: 1999 Application: APM800, Economizer Capacity: ---	DE-103
<b>Southern Company, Daniel Plant</b> Mississippi, US	Industry: Power station, Utility Fuel: Western coal Installed: 1999-2005 Application: (4) APX2000, (4) Ljungstrom air preheater (4) APX5000, (2) Economizer Capacity: 2 x 535 MW	US-309
<b>FMC Wyoming</b> Green River, Wyoming, US	Industry: Mining industry Fuel: Coal Installed: 1984 Application: (2) APX2000, Electrostatic precipitator Capacity: 2 x 500 ton/hour	US-304
<b>Mussalo Power Plant</b> Mussalo, Finland	Industry: Power plant Fuel: Coal Installed: 1988 Application: (2) APL1000, Economizer, Air preheater Capacity: 285 ton/hour	FI-28

<b>Fortum Espoo Ouj</b>	Industry: Power plant	FI-027
Espoo, Finland	Fuel: Coal	
	Installed: 1991	
	Application: (2) APX2000, Economizer, Evaporating banks	
	Capacity: 80 MW	

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<b>Fortum Naantali</b>	Industry: Power plant	FI-040
Naantali, Finland	Fuel: Coal	
	Installed: 1985-1989	
	Application: (4) APM500, (4) Ljungstrom air preheater (1) APL1000, (1) Economizer	
	Capacity: 2 x 110 MW	

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<b>Tesoro Petroleum</b>	Industry: Oil Refinery	US-310
Salt Lake City, Utah, US	Fuel: CO-gas	
	Installed: 2005	
	Application: APX2000, Superheater, Economizer	
	Capacity: 138 000 lbs/h	

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<b>Total Refinery</b>	Industry: Oil Refinery	FR-1001
Donges, France	Fuel: Waste gas	
	Installed: 2004	
	Application: APX2000, Superheater	
	Capacity: 230 ton/h	

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<b>ConocoPhillips Refinery</b>	Industry: Oil Refinery	UK-501
Immingham, UK	Fuel: Waste gas	
	Installed: 1982	
	Application: (3) APM500, (3) Economizer	
	Capacity: ---	

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<b>Marathon Oil Refinery</b>	Industry: Oil refinery	US-102
Illinois, US	Fuel: CO and flue gases	
	Installed: 1994	
	Application: (2) APX2000, Superheater, Economizer	
	Capacity: 225 000 lbs/h	

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<b>Stora Enso</b>	Industry: Paper mill	SE-118
Hyltebruk, Sweden	Fuel: Bark and black printing ink sludge	
	Installed: 2003	
	Application: APX2000, Economizer	
	Capacity: 55 MW (thermal power)	

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<b>Sogama</b>	Industry: Garbage incinerator	ES-1001
Galicia, Spain	Fuel: Garbage	
	Installed: 2005	
	Application: APX5000, Economizer	
	Capacity: 75 MW (thermal power)	

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<b>PPC Aliveri</b> Aliveri, Greece	Industry: Power plant Fuel: Oil, high sulphur (3.5 %) Installed: 1998 Application: APX2000, Ljungstrom air preheater Capacity: 150 MW (electrical power)	GR-101
<b>SCA Lilla Edet</b> Lilla Edet, Sweden	Industry: Paper producer Fuel: Bark and black printing ink Installed: 2005 Application: (2) APX2000, Superheater and Economizer Capacity: 25 MW (thermal power)	SE-177
<b>Goteborgs Energy</b> Goteborg, Sweden	Industry: Energy Fuel: Wood chips Installed: 1999 Application: APS, Hopper below electrical precipitator Capacity: 25-85 MW	SE-201
<b>Eskilstuna Energy</b> Eskilstuna, Sweden	Industry: Energy Fuel: Wood chips Installed: 2005 Application: APS, Tubes before and after the turn chamber Capacity: 4 MW	SE-143
<b>Norrtalje Energy</b> Norrtalje, Sweden	Industry: District heating plant Fuel: Saw dust (summer) and chips (winter) Installed: 1994 Application: (2) AP150, Whole boiler Capacity: 2 x 8 MW	SE-170
<b>Frantschach Pulp &amp; Paper Sweden AB</b> Vaja, Sweden	Industry: Paper mill Fuel: Bark Installed: 1990 Application: APX2000, Economizer Capacity: 15 MW (thermal power)	SE-085
<b>VB Varme</b> Ludvika, Sweden	Industry: District heating plant Type: Flame tube boiler Fuel: Bark and wood chips Installed: 2000 Application: (2) AP70M, Whole boiler Capacity: 2 x 10 MW (thermal power)	SE-114
<b>Holmen Paper</b> Hallstavik, Sweden	Industry: Paper mill Fuel: Bark, chips and a small amount of oil Installed: 1985 Application: AP1000, Economizer Capacity: 120 tons steam/h at 20 bar	SE-133

<b>Karlskoga Energy &amp; Miljo</b> Karlskoga, Sweden	Industry: Energy Fuel: Garbage Installed: 2004 Application: AP150, Economizer Capacity: 15 MW (thermal power)	SE-138
<b>Kubal</b> Sundsvall, Sweden	Industry: Aluminum works Fuel: --- Installed: 2004 Application: APS, Exhaust gas duct Capacity: ---	SE-165
<b>Fresenius Kabi</b> Brunna, Sweden	Industry: Industrial Fuel: Chemicals Installed: 1993 Application: AP100, Whole boiler Capacity: ---	SE-102
<b>Nykoping sugar factory</b> Nykoping, Danmark	Industry: Sugar factory Fuel: Oil Installed: 1992 Application: APM300, Economizer Capacity: ---	DK-103
<b>Przyjazn</b> Rheinberg, Polen	Industry: CDQ plant Fuel: Gas Installed: 2003 Application: APX2000, Economizer Capacity: ---	PL-501
<b>SSAB Steel</b> Oxelosund, Sweden	Industry: Steel mill Fuel: Gas Installed: --- Application: APM500, Economizer Capacity: ---	SE-052
<b>Rautaruukki Oy, Raah Steel</b> Sinter plant, Raah, Finland	Industry: Steel mill, Sinter plant Fuel: --- Installed: 2004 Application: (2) APX2000, (2 units) Electrostatic precipitator Capacity: ----	FI-036
<b>Rautaruukki Oy, Raah Steel</b> Coke plant, Raah, Finland	Industry: Steel mill, CDQ plant Fuel: Gas Installed: 1995/97 Application: (3) APX2000, (3) Economizer Capacity: ---	FI-021

<b>Smurfit Stone, Stevenson</b>	Industry: Paper mill	US-315
Alabama, US	Fuel: Black liquor	
	Installed: 2006	
	Application: APX2000, Gooseneck, Electrostatic precipitator	
	Capacity: 620 ton DS/day	

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<b>Weyerhaeuser Europe Ltd.</b>	Industry: MDF-board producer	EI-006-1/2
Clonmel, Ireland	Fuel: Residual material from MDF-board production and wood chips	
	Installed: 2006	
	Application: (2) APL1000, (2) Economizer	
	Capacity: 2 x 25 MW	

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<b>Weyerhaeuser Europe Ltd.</b>	Industry: MDF-board producer	EI-006-3
Clonmel, Ireland	Boiler: Heat recovery boiler	
	Installed: 2006	
	Application: (2) APM70, Multicyclone	
	Capacity: ---	

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<b>Lycksele Energy</b>	Industry: District heating plant	SE-183
Lycksele, Sweden	Fuel: Wood chips	
	Installed: 2005	
	Application: APM150, Economizer	
	Capacity: 10 MW	

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<b>SCA Obbola</b>	Industry: Paper Mill	SE-155
Obbola, Sweden	Fuel: Bark and wood chips	
	Installed: 1984	
	Application: AP300, Economizer	
	Capacity: 190 ton steam/ day	

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<b>Kil Energy</b>	Industry: District heating plant	SE-195
Kil, Sweden	Fuel: Bark and wood chips	
	Installed: 2005	
	Application: APM350, Economizer	
	Capacity: 8 MW	

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<b>E.ON, Norrkoping Energy</b>	Industry: Energy	SE-142
Norrkoping, Sweden	Fuel: Garbage incinerator	
	Installed: 2007	
	Application: APX5000, Economizer	
	Capacity: 75 MW <sub>th</sub>	

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<b>Suralaya Power</b>	Industry: Energy	ID-001
Suralaya, Indonesia	Fuel: Coal	
	Installed: 2006	
	Application: APX2000, Secondary air preheater	
	Capacity: 400 MW <sub>el</sub>	

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**Goteborg Energy**

Goteborg, Sweden

Industry: Heating plant  
Fuel: Wood pellets  
Installed: 2006  
Application: APX2000, Economizer  
Capacity: 50 MW<sub>th</sub>

SE-148

**Viken Fjernvarme**

Oslo, Norway

Industry: Heating plant  
Fuel: Industrial garbage  
Installed: 2006  
Application: APX2000, Economizer  
APM350, screen grid tubes  
Capacity: 30 MW<sub>th</sub>

NO-112

**Munksjo Paper AB**

Billingsfors, Sweden

Industry: Paper mill  
Boiler: Black liquor recovery boiler  
Installed: 2006  
Application: (2) APL1000-2, Economizer  
Capacity: 200 TS / 24 hours

SE-222

Do not hesitate to contact Infracone for more information!