

Reference list - Heavy Industries

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Name	Country	Year	Industry	m ³ hr	Type
Neste Rotterdam NEXBTL plant	the Netherlands	2022	refinery	90	cpt / floc/flot
Neste Rotterdam NEXBTL plant	the Netherlands	2022	refinery	86	bio/pol/dew
Akzo Nobel Decorative Paints France SA	France	2021	basic chemicals	5	anaerobic
Lanxess N.V.	Belgium	2021	basic chemicals	165	pol
Persan Polska	Poland	2021	basic chemicals	8	fi/floc/flot/bio/dew
Purac Thailand – Project Eagle	Thailand	2021	basic chemicals	170	bio/dew
Ashland Chemicals	China	2020	basic chemicals	20	floc/flot
Capchem Poland	Poland	2020	basic chemicals	5	fi/bio/dew
Hengyuan Refining Company Berhad	Malaysia	2020	refinery		cpi
Ground Effects Group of Companies - IPF	Canada	2019	oil & gas	104	flot
Orlen	Poland	2019	refinery	334	anaer / cpi/ bio
Hengyuan Refining Company	Malaysia	2018	refinery	60	sed
PPG Industries Chemicals Delfzijl B.V.	the Netherlands	2018	chemical	40	sed
BP Lingen	Germany	2017	refinery	325	floc/flot
Vopak Terminal Durban Ltd	South Africa	2017	basic chemicals	40	floc/flot

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Name	Country	Year	Industry	m ³ hr	Type
BP Lingen	Germany	2016	petrochemical	420	floc/flot
Givaudan - Implementation MBBR	Indonesia	2016	basic chemicals	13	bio
Nestle Porvoo	Finland	2016	refinery	500	floc/flot/bio
SGP Managers	Singapore	2016	basic chemicals	7	cpi
Uralorgsyntez	Russia	2016	chemical	60	fi/floc/flot/pol/dew
VA Tech Wabag - daf system oil industry	Czech Republic	2016	oil & gas	1600	floc/flot
Lenzing AG	Austria	2015	chemical	250	flot
Snake Island	Nigeria	2015	oil & gas	9	floc/flot
Solvay	China	2015	chemical	0	flot
Ashland II	the Netherlands	2014	chemical	15	floc/flot
Azomures	Romania	2014	chemical	1400	bio
Cerro Verde Mine	Peru	2014	mining & minerals	10	floc/flot
Emerald Kalama Chemicals - Phase II	the Netherlands	2014	chemical	25	anaer
Halliburton Slopunit - STU 20-29	Norway	2014	petrochemical	10	floc/flot
Halliburton Slopunit - STU20-26	Norway	2014	petrochemical	10	floc/flot

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Name	Country	Year	Industry	m ³ hr	Type
Halliburton Slopunit - STU20-27	Norway	2014	petrochemical	10	floc/flot
Halliburton Slopunit - STU20-28	Norway	2014	petrochemical	10	floc/flot
Halliburton upgrading Slop-unit 20-12	Norway	2014	petrochemical	10	retrofit
PPG delfzijl	the Netherlands	2014	chemical	50	sed
SLP Lube Park Shared Facility EPC Pkg A	Singapore	2014	petrochemical	400	cpi
TCO Kazakhstan II - SGP water handling	Kazakhstan	2014	oil & gas	50	floc/flot
Total Lube Oil blending Plant	Singapore	2014	petrochemical	70	cpi
Halliburton Noble Globetrotter	the Netherlands	2013	oil & gas	10	floc/flot
Halliburton Slopunit - Azerbaijan	Azerbaijan	2013	oil & gas	10	floc/flot
Halliburton Slopunit - STU20-22+STU20-25	Norway	2013	petrochemical	10	floc/flot
Halliburton Slopunit - STU20-24+STU20-25	Norway	2013	petrochemical	10	floc/flot
Halliburton Slop-units IV	the Netherlands	2013	oil & gas	10	floc/flot
Nirosoft Industries Columbia	Colombia	2013	oil & gas	200	floc/flot
Stolthaven Singapore	Singapore	2013	petrochemical	100	cpi/flot
TCO Kazakhstan - DAF and sludge package	Kazakhstan	2013	oil & gas	40	floc/flot/dew

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Name	Country	Year	Industry	m ³ hr	Type
Basrah refinery	Iraq	2012	refinery	1750	fi/bio/pol/dew
Emerald Kalama Chemicals - Rotterdam	the Netherlands	2012	chemical	25	floc/flot
Halliburton Slop-units III	Norway	2012	oil & gas	10	floc/flot
Ineos Phenol	Belgium	2012	basic chemicals	140	floc/flot
Jurong rock Cavern phase 1	Singapore	2012	petrochemical	1200	floc/flot/pol
Norbert Dentressangle Batley	United Kingdom	2012	chemical	5	floc
Sibur Chemprom	Russia	2012	chemical	35	fi
Sibur Chemprom - MXO	Russia	2012	petrochemical	380	fi/floc/flot/bio/pol
SONAC Versmold	Germany	2012	chemical	10	flot
STE Medco	Tunis	2012	petrochemical	360	sed
Weyerhaeuser - White Eagle Project	Poland	2012	chemical	20	floc/flot/dew
Aquawise - PAZ	Israel	2011	petrochemical	50	bio
Duo PLC	United Kingdom	2011	mining & minerals	500	floc/flot
G-Force - CCS Azerbaijan	Azerbaijan	2011	petrochemical	10	gravity separator
Halliburton Slop-units II	Norway	2011	petrochemical	10	floc/flot

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Name	Country	Year	Industry	m ³ hr	Type
Emery Oleochemicals	Malaysia	2010	chemical	67	floc/flot
Genovique Specialities	United States of America	2010	chemical	7	floc/flot
Halliburton - on shore system	Norway	2010	refinery	35	floc/flot
HCCR	Germany	2010	chemical	8	floc/flot
Isover Lubz	Germany	2010	basic chemicals	5	fi/floc/flot
Przybinski - Petromechnika Koluszki	Poland	2010	basic chemicals	110	floc/flot
Sibur Chemprom Polystyrol plant	Russia	2010	oil & gas	30	floc/flot/bio/dew
Argent Energy	United Kingdom	2009	chemical	10	floc/flot
Shell - BERRE	France	2009	petrochemical	60	cpi
Halliburton	Norway	2008	refinery	10	floc/flot)
Ineos phenol	Belgium	2008	basic chemicals	75	floc/flot
La Libertad refinery	Ecuador	2008	refinery	60	floc/flot
PetroChina 5	China	2008	refinery	1400	floc/flot
SAGD II	China	2008	petrochemical	1400	floc/flot
Hunt Refining	United States of America	2007	refinery	135	floc/flot

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Name	Country	Year	Industry	m ³ hr	Type
Mozyr Oil Refinery line 1	Belarus	2007	refinery	200	floc/flot
Mozyr Oil Refinery line 2	Belarus	2007	refinery	200	floc/flot
PetroChina 4	China	2007	refinery	450	floc/flot
SAGD	China	2007	petrochemical	100	floc/flot
Shell Bukom	Singapore	2007	refinery	60	cpi
Solvay Chemicals - Houston	United States of America	2007	chemical	23	bio
Brocklesby Ltd	United Kingdom	2006	refinery	5	bio
ConocoPhillips - Humber Refinery	United Kingdom	2006	refinery	575	floc/flot
Eastman (Hercules)	the Netherlands	2006	chemical	35	flot
Exxon Mobile - Kvaerner	Italy	2006	petrochemical	10	cpi
Luanda Revamping - Spindle	Portugal	2006	petrochemical	40	cpi
Lukoil Burgas	Bulgaria	2006	refinery	288	fi/cpi/floc/flot/bio
Mozyr Oil Refinery line 3	Belarus	2006	refinery	200	floc/flot
Nigerian AGIP oil compagny Limited	Nigeria	2006	petrochemical	55	floc/flot
ConocoPhillips - Whitegate Refinery	Ireland	2005	refinery	100	floc/flot/dew

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Name	Country	Year	Industry	m ³ hr	Type
Dow Stade	Germany	2005	basic chemicals	250	flot
Altinex - Statoil	Norway	2004	refinery	5	floc/flot
Conoco Phillips	United States of America	2004	refinery	68	floc/flot
El Obour Pakin Company	Egypt	2004	chemical	3	floc/flot/bio
Kenya Petroleum Refinery	Kenya	2004	refinery		cpi
Nemuno Bangos Grupe	Lithuania	2004	oil & gas	21	bio
Nemuno Bangos Grupe II	Lithuania	2004	oil & gas	10	dew
PetroChina II	China	2004	petrochemical	600	floc/flot
Polimeri Europa Americas	United States of America	2004	basic chemicals	60	floc/flot
Abadan Refinery	Iran	2003	refinery	450	floc/flot/bio/pol
Cargill Steel & Wire	United States of America	2003	galvanising	4,5	floc/flot
Omnichem	Belgium	2003	basic chemicals	100	floc/flot
Statoil - Karstø Gas Terminal	Norway	2003	petrochemical	90	upgrade
Alusaf Hillside	South Africa	2002	metal	400	floc/flot/bio
Castejon	Spain	2002	petrochemical	30	ppa

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Name	Country	Year	Industry	m ³ hr	Type
Isla Refinery/Technip	Curaçao	2002	refinery	120	cpi
Krabi Thermal power plant	Thailand	2002	petrochemical	70	flot
PetroChina	China	2002	petrochemical	450	floc/flot
Wellman Hotmelt Frankrijk	the Netherlands	2002	oil & gas	20	floc/flot
ABB/Ohanet development	Algeria	2001	refinery	30	ppa
Forged metals	United States of America	2001	metal	2,5	floc/flot
RDP	Dom. Rep	2001	refinery	30	ppa
Shiraz refinery	Iran	2001	refinery	130	floc/flot/bio/pol
AMOC Lube Oil	Egypt	2000	petrochemical	30	floc/flot
Serep	France	2000	petrochemical	50	ppa
Shell Fredericia	Denmark	2000	refinery	120	ppa
New York Airport	United States of America	1999	petrochemical	4,5	flot/floc/flot
Philips petroleum	United Kingdom	1999	refinery	400	floc/flot
Ryobi Aluminium Casting	Ireland	1999	metal	12,5	floc/flot
Tecfisa	Spain	1999	metal	3	floc/flot

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Name	Country	Year	Industry	m ³ hr	Type
VAW Aluminium AG	Germany	1999	metal	20	floc/flot
Alusaf	South Africa	1998	metal	380	floc/flot
Hercules	the Netherlands	1998	chemical	35	flot
Akhabar	Egypt	1997	chemical	20	ppa
Genciai	Lithuania	1997	petrochemical	25	flot
Hercules	Belgium	1997	chemical	3	flot
Shell Oman	Oman	1997	petrochemical	1,5	cpi
Thai Oil	Thailand	1997	petrochemical	200	floc/flot
Thai Oil	Thailand	1997	refinery	480	ppa
China Ink Factory	Hong Kong	1996	chemical	5	flot
Hanbo Steel	Korea	1996	metal	131	floc/flot
LG Engineering	Korea	1996	metal plating	15	floc/flot
Nalco	the Netherlands	1996	chemical	1	floc/flot/sed
Sabic Innovative Plastics	the Netherlands	1996	chemical	20	floc/flot
Thai Tank Terminal	Thailand	1996	chemical	50	flot

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Name	Country	Year	Industry	m ³ hr	Type
Pechiney	the Netherlands	1995	metal	50	flot
PPC	Philippines	1995	petrochemical	120	ppa
Zschimmer & Schwarz	Germany	1995	chemical	50	flot
BP Amoco	Belgium	1994	refinery	100	flot
Denka	Singapore	1994	chemical	10	floc/flot
NAM	the Netherlands	1994	petrochemical	10	flot
Read Engineering	Norway	1994	petrochemical	20	flot
Read Engineering/Shell	Norway	1994	petrochemical	110	flot
Thai Refinery	Thailand	1994	refinery	240	ppa
Thomas Bolton	United Kingdom	1994	metal plating	105	floc/flot/dew
PPG	the Netherlands	1993	chemical	30	floc
Shell U.K.	United Kingdom	1993	refinery	220	flot
Thai Refinery	United States of America	1993	refinery		PPA
AKZO Coatings	Belgium	1992	chemical	12	floc/flot
Jarabee Oil	Thailand	1992	petrochemical	30	ppa

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Loran II	the Netherlands	1992	chemical	10	flot
Matex	the Netherlands	1992	petrochemical	300	flot
Nalco	the Netherlands	1992	chemical	70	floc/flot
Omnichem	Belgium	1992	chemical	35	floc/flot
Tekchem Chemical Industry	United Kingdom	1992	chemical	15	flot
Challenge	Taiwan	1991	petrochemical	20	floc/flot
Hercules	the Netherlands	1991	petrochemical	25	floc
Metablen	the Netherlands	1991	petrochemical	30	flot
NAM	the Netherlands	1991	petrochemical	14	flot
Shell U.K.	United Kingdom	1991	refinery	135	flot
Tra Koa II	Taiwan	1991	petrochemical	30	floc/flot
Conqueror	Taiwan	1990	petrochemical	40	floc/flot
Dahin	Taiwan	1990	petrochemical	30	floc/flot
Fuji Photo Film	the Netherlands	1990	chemical	105	floc/flot
Read Engineering/Shell	Norway	1990	petrochemical	190	flot

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Rostock I	Germany	1990	petrochemical	30	floc/flot
Rostock II	Germany	1990	petrochemical	60	floc/flot
Taiwan Railroad	Taiwan	1990	petrochemical	40	floc/flot
Terminal Power Plant	Taiwan	1990	petrochemical	35	floc/flot
IPG	the Netherlands	1989	petrochemical	15	flot
IPG/SAGA	the Netherlands	1989	petrochemical	90	flot
Katalistiks I	the Netherlands	1989	chemical	135	floc/sed
Katalistiks II	the Netherlands	1989	chemical	35	sed
Kopcke	the Netherlands	1989	chemical	5	sed
Kopcke	the Netherlands	1989	chemical	5	fi/floc/sed
Larsen & Tubro Ltd.	India	1989	petrochemical	100	ppa
NAM	the Netherlands	1989	petrochemical	640	flot
Paques/KLM Aeroplane main	the Netherlands	1989	chemical	35	flot
Shell I	the Netherlands	1989	petrochemical	70	flot
Shell II	the Netherlands	1989	petrochemical	70	flot

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Taiwan Railroad	Taiwan	1989	petrochemical	35	floc/flot
Thacom	Thailand	1989	petrochemical	30	floc/flot
Hercules	the Netherlands	1988	petrochemical	25	flot
N.P.L.	India	1988	petrochemical	57	flot
Silenka	the Netherlands	1988	chemical	90	floc/flot/dew
Amoco	Egypt	1987	petrochemical	600	flot
Amoco	Egypt	1987	refinery	1800	flot
Amoco	Egypt	1987	petrochemical	2320	retrofit
Debeil	Belgium	1987	petrochemical	15	flot
Harbauer	Germany	1986	chemical	100	sed

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