



List of Main References since 2000

Deaerators

Plants designed, checked or supervised by Dr Rognoni

List updated till Apr-23

Project	Vendor	Client	Owner	Site	Country	Type	Use	Capacity	Year	Notes
1 Hickson&Welch	SWS	Enelpower	Powergen	Castleford	UK	Vacuum	BFW	70 T/h	2000	<i>innovative shell shape</i>
2 Power Plant	SWS	Air Liquide	OTOR	Rouen	France	Tray	BFW	200 T/h	2000	
3 OGD-2	SWS	Macchi	ADNOC	Habshan	UAE	Tray	Process	2 x 520 T/h	2000	
4 Power Plant	SWS	Macchi	Asprofos Ref	Aspropyrgos	Greece	Tray	BFW	75 T/h	2000	
5 Power Plant	SWS	Piddec	NIOC	Abadan	Iran	Tray	BFW	70 T/h	2001	<i>Innovative style of trays</i>
6 Power Plant	SWS	Macchi	Monopolio	Foggia	Italy	Flash	BFW	100 T/h	2001	
7 Refinery	NAPEEC	Palandeh Ab	Isfahan RefineryCo.	Isfahan	Iran	Tray	BFW	26 T/h	2002	
8 Petrochem.	SWS	Sices	<i>unknown</i>	Phu My	Vietnam	Tray	BFW	360 T/h	2002	
9 Power Plant	SWS	Alstom	ENEL	Sermide	Italy	Tray	BFW	3 x 370 T/h	2002	
10 Power Plant	SWS	AzarAb	NIOC	Kish Island	Iran	Tray	BFW	80 T/h	2002	
11 Fertilizer	SWS	Fertalge	Fertalge	Arzew	Algeria	Tray	BFW	105 T/h	2003	
12 Power Plant	SWS	ENEL	ENEL	Sulcis	Italy	Tray	BFW	700 T/h	2003	
13 Power Plant	SWS	Macchi	ATEL	Novara	Italy	Tray	BFW	150 T/h	2003	
14 GB Engg	GB Engg	Enmas	Newsprint	Tamil Nadu	India	Tray	BFW	270 T/h	2004	
15 GB Engg	GB Engg	Enmas	Papaer Mill	Karnataka	India	Tray	BFW	100 T/h	2004	
16 Power Plant	SWS	Alstom	PPC	Lavrion	Greece	Tray	BFW	440 T/h	2004	
17 Power Plant	SWS	Alstom	Solvay	<i>unrecorded</i>	Portugal	Tray	BFW	175 T/h	2004	
18 Power Plant	SWS	Snamprogetti	NOC	Mellitah	Libya	Tray	BFW	2 x 1670 T/h	2004	
19 Dolphin	SWS	JGC	QP	onshore	Qatar	Tray	BFW	2 x 1400 T/h	2004	
20 Power Plant	SWS	Alstom	EDISON	Altomonte	Italy	Tray	BFW	2 x 480 T/h	2004	
21 HRSG 4	Olmar	<i>unknown</i>	ADNOC	Abu Dhabi	UAE	Tray	BFW	290 T/h	2005	
22 Power Plant	EKME	Metka	ADG	Greece	Greece	Tray	BFW	2 x 563 T/h	2005	
23 Mining	SWS	INCO	Goro Nickel	New Caledonia	Australia	Vacuum	Process	2 x 574 T/h	2005	
24 Power Plant	SWS	Alstom	ENEL	Candela	Italy	Tray	BFW	480 T/h	2005	
25 Power Plant	SWS	Macchi	Tenaris	Dalmine	Italy	Tray	BFW	2 x 92 T/h	2005	
26 Olefin Expansion	NAPEEC	BIPC	BIPC	Khuzestan	Iran	Tray	Process	175 T/h	2005	
27 Olefin Expansion	NAPEEC	BIPC	BIPC	Khuzestan	Iran	Tray	Process	95 T/h	2005	
28 PVC Plant	NAPEEC	Sazeh	Arvand PVC	Arvand	Iran	Tray	Process	80 T/h	2005	
29 Power Plant	SWS	Macchi	Agip KCO	Kashagan	Khazak.	Tray	BFW	3 x 470 T/h	2005	
30 Papar Mill	SWS&GB	Enmas	Papaer Mill	Abhishek	India	Tray	BFW	60 T/h	2006	
31 Papar Mill	SWS&GB	Enmas	Papaer Mill	Sarapaka	India	Tray	BFW	173 T/h	2006	
32 NGL-3	SWS	Snamprogetti	Gasco	Ruwais	UAE	Vacuum	Process	26 T/h	2006	
33 RAFB2	SWS	Nooter Erik	QEWC	RasAbu Fontas	Qatar	Tray	BFW	2 x 914 T/h	2006	



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34	Petrochem.	SWS	Snamprogetti	Aramco	Khursanyiah	Saudi A	Tray	BFW	2 x 1360	2006
35	Refinery	SWS	Technip	API	Faconara	Italy	Flash	BFW	110 T/h	2006
36	Petrochem.	SWS	Tecnimont	Q-Chem	Mesaieed	Qatar	Tray	BFW	64 + 11 T/h	2007
37	Power Plant	SWS	Snamprogetti	Aramco	Khurais	Saudi A	Tray	BFW	3 x 187 T/h	2007
38	3rd Pillar Asia	SWS	Toyo	Dow Corning	Zhangliagang	China	Tray	BFW	15 T/h	2007
39	NGL Siri	NAPEEC	Mahdin	OIEC/ IOOC	Siri Island	Iran	Tray	BFW	60 T/h	2007
40	Refinery	NAPEEC	AzarAb	Homs Refinery	Homs	Syria	Tray	BFW	241 T/h	2007
41	Petrochem.	NAPEEC	Mahdin	Kavian Petrochem.	Asaluyeh	Iran	Tray	Process	2 x 416 T/h	2007
42	Petrochem.	NAPEEC	Mapna boiler	Mobin Petrochem.	Asaluyeh	Iran	Tray	HR BLR	2 x 400 T/h	2007
43	Petrochem.	NAPEEC	IRITEC	NISOC	Binak	Iran	Vacuum	Process	20 T/h	2007
44	Power Plant	SWS	Macchi	Alba	Al Hidd	Barhein	Tray	BFW	3 x 350 T/h	2007
45	New Petroch	SWS	Techint	Emethanex	Damietta	Egypt	Tray	BFW	410 T/h	2008
46	Fertilizer	SWS	Fatima	Fatima	Mukhtar	Pakistan	Tray	BFW	520 T/h	2008
47	Waste Incin	SWS	Itro	Itro	Singapore	Singapore	Spray	BFW	20 T/h	2008
48	Papar Mill	SWS&GB	Enmas	ITC	Andra Pradesh	India	Tray	BFW	100 T/h	2008
49	Oil Field	NAPEEC	Sadra	I.C.O. F.C.	Khesht	Iran	Vacuum	Process	17 T/h	2008
50	Oil Field	NAPEEC	Petro tech sun	I.C.O. F.C.	Sarvestan	Iran	Vacuum	Process	12.5 T/h	2008
51	Oil Production And Desalting Plant	NAPEEC	Technicon	OEID	Dehloran	Iran	Sweet Gas Stripping	Process	18.3 T/h	2008
52	SP 15&16	Macchi	Mapna	SP Oil&Gas	South Pars	Iran	Tray	BFW	2 x 800 T/h	2009
53	Desalting Plant	NAPEEC	Tasdid	NISOC	Khuzestan	Iran	Vacuum	Process	11.7 T/h	2009
54	Desalting Plant	NAPEEC	Sakhtar Farda	PEDEC	Lab Sefied	Iran	Tray	BFW	55 T/h	2009
55	QAFCO 5	SWS	Nuovo Pignone	QAFCO	Mesaieed	Qatar	Tray	BFW	2 x 180 T/h	2009
56	Petrochem.	NAPEEC	AzarAb	Mahabad Petrochem.	Mahabad	Iran	Tray	BFW	80 T/h	2010
57	Petrochem.	NAPEEC	AzarAb	Lorestan Petrochem.	Lorestan	Iran	Tray	BFW	80 T/h	2010
58	Oseberg	SWS	Aibel	Statoil	offshore platf.	Norway	Tray	BFW	80 T/h	2010
59	Habshan 5	SWS	HDEC	ADNOC	Abu Dhabi	UAE	Tray	BFW	3 x 990 T/h	2011
60	3rd Pillar Asia	SWS	Fluor	Dow Corning	Zhangliagang	China	Tray	BFW	270 T/h	2011
61	Moron Exp.	SWS	IPS	Pequiven	Moron	Venezuela	Tray	BFW	350 T/h	2011
62	Desalting Plant	NAPEEC	Petro part	NISOC	Naft Sefid & Haftkel	Iran	Vacuum	Process	15 T/h	2011
63	Gas Field	NAPEEC	PPI	POGC	south pars ph 19	Iran	Tray	BFW	2 x 950 T/h	2011
64	Power Plant	Ofmeco	Pgesco	EEA	Al Sokhna	Egypt	Tray	BFW	2x1800 T/h	2011
65	Desalting Plant	NAPEEC	Kherad Ind.	NISOC	Ghaleh Nar	Iran	Vacuum	Process	6.6 T/h	2012
66	NGL-4	SWS	Petrofac	Gasco	Ruwais	UAE	Vacuum	Process	7,7 T/h	2012

Innovative steam saving



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67	Power Plant	Ofmeco	SGP/STC	Belarus Gas	=	Belarus	Tray	BFW	80 T/h	2013	
68	Refinery	NAPEEC	AzarAb	Isfahan RefineryCo.	Isfahan	Iran	Tray	BFW	2 x 600 T/h	2013	
69	Desalting Plant	NAPEEC	Kherad Ind.	NISOC	Maroon	Iran	Vacuum	Process	8.14 T/h	2013	
70	Refinery	GB Saline	Punj Lloyd	CPCL	Manali	India	Tray	Process	82 T/h	2014	
71	Oil Company	NAPEEC	Behran Oil Co.	Behran Oil Co.	Tehran	Iran	Tray	BFW	100 T/h	2014	
72	Olefin Plant	NAPEEC	Ilam Petrochem.	Ilam Petrochem.	Ilam	Iran	Tray	Process	467 T/h	2014	
73	Petrochem.	NAPEEC	Garma Gostar	Jam Petrochem.	Asaluyeh	Iran	Tray	BFW	275 T/h	2014	
74	Petrochem.	NAPEEC	AzarAb/EIED	Bushehr Petrochem.	Bushehr	Iran	Tray	BFW	100 T/h	2015	
75	Dangote	Al Shabia	SWS	Dangote	IPP	Nigeria	Tray	BFW	2200 T/h	2015	
76	Lotos	Cosmec	KT	Lotos Asph.	Asph. Plant	Poland	Tray	BFW	23 T/h	2016	
77	Lotos	Cosmec	KT	Lotos Asph.	Asph. Plant	Poland	Tray	BFW	26 T/h	2016	
78	Omsk Refinery	Delta Engg	KT	Refienry	Omsk	Russia	Tray	BFW	17 T/h	2016	
79	Petrochem.	NAPEEC	AzarAb	Mobin Petrochem.	Asaluyeh	Iran	Tray	BFW	424 T/h	2016	
80	West Qurna	SWS	SWS	Oil Filed	Basrah	Iraq	Vacuum	Water Inj.	665 T/h	2016	
81	Haldia Refinery	GB Saline	Punj Lloyd	IOCL	Airshwarya	India	Tray	Process	77 T/h	2017	
82	Refurbishment	HexSol	Braschem	Chem	Rio de Janeiro	Brasil	Tray	Process	414 T/h	2017	
83	IPP Phase II	Cosmec	Saipem	NAOC	Okpai	Nigeria	Tray	BFW	600 T/h	2018	
84	Umm Lulu	SWS	Saipem	ADMA	offshore platf.	UAE	Vacuum	Water Inj.	2 x 600 T/h	2018	
85	Refinery	NAPEEC	AzarAb	Isfahan RefineryCo.	Isfahan	Iran	Tray	BFW	2 x 1470 T/h	2018	
86	Olefin Plant	NAPEEC	AzarAb	Gachsaran Petrochem.	Gachsaran	Iran	Tray	BFW	2 x 341 T/h	2018	
87	Solar PP	Delta Engg	FATA	Sol.In.Par	Partanna	Italy	Tray	BFW	18 T/h	2019	
88	Lufeng	KYS Energy	UNITED	OONC	offshore	China	Vacuum	Water Inj.	160 T/h	2021	
89	Ravenna Hub	Delta Engg	ENI	ENI	Ravenna	Italy	Tray	BFW	12,5 T/h	2022	
90	MTO	Delta Engg	Wood	SGCUUP	Bukhara	Uzbekistan	Spray	BFW	2600 T/h	2022	High Pressure
91	Stromboli	Delta Engg	FATA	Solar	Sicily	Italy	Tray	BFW	18 T/h	2022	Extreme Flexibility
92	Bilancia	Delta Engg	FATA	Solar	Sicily	Italy	Tray	BFW	17 T/h	2023	Extreme Flexibility
93	Porto Marghera	Delta Engg	KT	ENI	Marghera	Italy	Tray	BFW	2x 9 T/h	2023	High CO2 content
94	Porto Marghera	Delta Engg	KT	ENI	Marghera	Italy	Tray	BFW	2x16,5 T/h	2023	