

REFERENCE LIST
WATER COOLED TURBINE SURFACE CONDENSERS – SINCE 1990

Item	Job no.	Job type	Plant name / location	Plant type	Customer	Type of condenser	No. of shells	Surface per shell [m²]	Steam per shell [kg/s]	Type of cooling	Tubes		Tubesheets	Com. Year
326	740-750426	New plant	Dieng, Indonesia	1 x 10 MW Geothermal PP	IKPT / Geo Dipa	horizontal / round	1	1.865	23,4	Cooling tower w. geo. water	SS, TP 316 L	Ø 19,05 x 0,508 Ø 19,05 x 0,711	SS, TP 316 L	2021
325	740-700672	New plant	Rades C, Tunisia	1 x 470 MW Comb Cycle PP	MHPSE / STEG	horizontal / rectangular	1	17.760	115,6	Sea water	Ti Gr. 2, B 338 SS, 1.4652	Ø 28,58 x 0,508 Ø 28,58 x 0,711	CS cladded with Ti	2020
324	740-700068	Upgrading	AAES 2, 4A&B Armenia	1 x 200 MW Nuclear PP	Ajkakan Atomajin Elektra.	vertical / rectangular	2	12.892	100,6	Cooling tower	SS, TP 321	Ø 23 x 0,5	SS, TP 304	2019
323	740-578266	New plant	Lumeth, Ludwigshafen Germany	Industrial PP	BASF / MAN	vertical / round	1	689	6,6	River water	SS, 1.4539	Ø 25 x 1,5	CS cladded with SS	2019
322	740-700068	Upgrading	AAES 2, 3A&B Armenia	1 x 200 MW Nuclear PP	Ajkakan Atomajin Elektra.	vertical / rectangular	2	12.892	100,6	Cooling tower	SS, TP 321	Ø 23 x 0,5	SS, TP 304	2018
321	740-008113	Retrofit	Schwechat - E9942 Austria	Industrial PP	OMV	vertical / round	1	537	17,82	Cooling tower	Adm. brass, CuZn28Sn1	Ø 23 x 1,0	CuZn39Pb0,5	2017
320	740-008113	Retrofit	Schwechat - E9943 Austria	Industrial PP	OMV	vertical / round	1	963	26,39	Cooling tower	Adm. brass, CuZn28Sn1	Ø 23 x 1,0	CuZn39Pb0,5	2017
319	740-008096	New plant	peistareykir 2 Iceland	1 x 45 MW Geothermal PP	Landsvirkjun	horizontal / rectangular	1	6.043	76	Cooling tower w. geo. water	SS, TP 316 L	Ø 17 x 0,5 Ø 17 x 0,7	SS, TP 316 L	2018
318	740-008080	New plant	peistareykir 1 Iceland	1 x 45 MW Geothermal PP	Landsvirkjun	horizontal / rectangular	1	6.043	76	Cooling tower w. geo. water	SS, TP 316 L	Ø 17 x 0,5 Ø 17 x 0,7	SS, TP 316 L	2017
317	740-008068	Upgrading	Olkiluoto 2 Finland	1 x 880 MW Nuclear PP	TVO	vertical / rectangular	2	7.678	196,3	Sea water	Ti Gr. 2, B 338 SS, 1.4652	Ø 18 x 0,5 Ø 18 x 0,7	CS cladded with Ti	2017
316	740-008068	Upgrading	Olkiluoto 1 Finland	1 x 880 MW Nuclear PP	TVO	vertical / rectangular	2	7.678	196,3	Sea water	Ti Gr. 2, B 338	Ø 18 x 0,5 Ø 18 x 0,7	CS cladded with Ti	2018
315	740-008048	New plant	OPOLE 6 Poland	1 x 900 MW Coal Fired PP	Alstom	vertical / rectangular	1	37.610	398,1	Cooling tower	SS, 1.4439	Ø 18 x 0,5	CS cladded with SS	2019
314	740-008048	New plant	OPOLE 5 Poland	1 x 900 MW Coal Fired PP	Alstom	vertical / rectangular	1	37.610	398,1	Cooling tower	SS, 1.4439	Ø 18 x 0,5	CS cladded with SS	2018
313	740-08029	Upgrading	Rheiko III Germany	Industrial PP	MAN	vertical / round	1	250	8,0	Cooling tower	CuZn20Al	Ø 20 x 1,5	Ms60F41	2015
312	740-07900	Upgrading	Gösgen Switzerland	1 x 1000 MW Nuclear PP	KKG	vertical / rectangular	3	16.949	305,5	Cooling tower	SS, 1.4439	Ø 17 x 0,5 Ø 17 x 0,7	CS cladded with SS	2013

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311	740-07830	Upgrading	Neurath E Germany	1 x 600 MW Coal fired PP	RWE	vertical / rectangular	1	25.979	394,5	Cooling tower	SS, 1.4404	Ø 20 x 0,5 Ø 20 x 0,7	CS cladded with SS	2011
310	740-07715	New plant	Reykjanes Island	1 x 50 MW Geothermal PP	Hitaveita Sudurnesja hf	vertical / rectangular	1	3.414	91,6	Sea water	Ti Gr. 2, B 338	Ø 21,0 x 0,5 Ø 21,0 x 0,7	Ti Gr. 2, B 265	2011
309	744-07814	New plant license	Huilai 4 China	1 x 1000 MW Coal fired PP	DFSTW	vertical / rectangular	2	30.000	225	River water	SS, TP 317 L	Ø 25,0 x 0,5 Ø 25,0 x 0,7	CS cladded with SS	2011
308	740-license	New plant license	Huilai 3 China	1 x 1000 MW Coal fired PP	DFSTW	vertical / rectangular	2	30.000	225	River water	SS, TP 317 L	Ø 25,0 x 0,5 Ø 25,0 x 0,7	CS cladded with SS	2011
307	744-license	New plant license	Gunjang Korea	120 MW GP	TSM Tech	vertical / rectangular	1	-	-	Sea water	Ti Gr. 2, No. 3.7035	-	CS cladded with Ti	2012
306	744-07814	New plant license	Suizhong 2 China	1 x 1000 MW Coal fired PP	DFSTW	vertical / rectangular	2	30.000	225	River water	SS, TP 317 L	Ø 25,0 x 0,5 Ø 25,0 x 0,7	CS cladded with SS	2010
305	744-07814	New plant license	Suizhong 1 China	1 x 1000 MW Coal fired PP	DFSTW	vertical / rectangular	2	30.000	225	River water	SS, TP 317 L	Ø 25,0 x 0,5 Ø 25,0 x 0,7	CS cladded with SS	2009
304	744-07814	New plant license	Haimen 4 China	1 x 1000 MW Coal fired PP	DFSTW	vertical / rectangular	2	30.000	225	River water	SS, TP 317 L	Ø 25,0 x 0,5 Ø 25,0 x 0,7	CS cladded with SS	2011
303	744-07814	New plant license	Haimen 3 China	1 x 1000 MW Coal fired PP	DFSTW	vertical / rectangular	2	30.000	225	River water	SS, TP 317 L	Ø 25,0 x 0,5 Ø 25,0 x 0,7	CS cladded with SS	2010
302	744-07814	New plant license	Haimen 2 China	1 x 1000 MW Coal fired PP	DFSTW	vertical / rectangular	2	30.000	225	River water	SS, TP 317 L	Ø 25,0 x 0,5 Ø 25,0 x 0,7	CS cladded with SS	2009
301	744-07814	New plant license	Haimen 1 China	1 x 1000 MW Coal fired PP	DFSTW	vertical / rectangular	2	30.000	225	River water	SS, TP 317 L	Ø 25,0 x 0,5 Ø 25,0 x 0,7	CS cladded with SS	2009
300	740-07788	Upgrading	Neurath D Germany	1 x 600 MW Coal fired PP	RWE	vertical / rectangular	1	25.979	394,5	Cooling tower	SS, 1.4404	Ø 20 x 0,5 Ø 20 x 0,7	CS cladded with SS	2010
299	741-07707	Retubing	Isar 1 / Essenbach Germany	900 MW Nuclear PP	Bayernwerk	vertical / rectangular	2	n.a.	n.a.	River water	Adm. brass, CuZn28Sn1	Ø 28 x 1,0	CS coated with epoxy	2009
296	740-07676	New plant	Hellisheidi 5&6 Island	2 x 45 MW Geothermal PP	Orkuveita Reykjanikur	horizontal / rectangular	2	4.880	82,3	Cooling tower w. geo. water	Ti Gr. 2, B 338	Ø 20,0 x 0,5 Ø 20,0 x 0,7	Ti Gr. 2, B 265	2010
295	744-06516	New plant	Shin-Gori 4 South Korea	1400 MW Nuclear PP	TSM Tech	vertical / rectangular	3	33.395	400,5	Sea water	Ti Gr. 2, No. 3.7035	Ø 25,4 x 0,71 Ø 25,4 x 0,889	CS cladded with Ti	2016

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294	744-07699	New plant	Shin-Gori 3 South Korea	1400 MW Nuclear PP	TSM Tech	vertical / rectangular	3	33.395	400,5	Sea water	Ti Gr. 2, No. 3.7035	Ø 25,4 x 0,71 Ø 25,4 x 0,889	CS cladde with Ti	2012
293	740-07497	Upgrading	Weisweiler H Germany	1 x 600 MW Coal fired PP	RWE	vertical / rectangular	1	25.979	444,7	Cooling tower	SS, 1.4404	Ø 20 x 0,5 Ø 20 x 0,7	CS cladde with SS	2009
292	744-07812	New plant license	Benghazi Libia	234 MW Comb Cycle PP	TSM Tech	vertical / rectangular	1	-	-	Sea water	Ti Gr. 2, No. 3.7035	-	CS cladde with Ti	2009
291	744-07698	New plant license	Ambatory Madagaskar	40 MW Cogenaratin	TSM Tech	vertical / rectangular	3	-	-	Sea water	Ti Gr. 2, No. 3.7035	-	CS cladde with Ti	2009
290	740-07635	New plant	Rotterdam Netherlands	800 MW Coal fired PP	Hitachi / Electrabel	vertical / rectangular	2	13.343	162,5	Sea water	Ti Gr. 2, No. 3.7035	Ø 32,0 x 0,7 Ø 32,0 x 0,5	CS cladde with Ti	2011
289	740-07615	New plant	Wilhelmshaven Germany	800 MW Coal fired PP	Hitachi / Electrabel	vertical / rectangular	2	13.343	162,5	Sea water	Ti Gr. 2, No. 3.7035	Ø 32,0 x 0,7 Ø 32,0 x 0,5	CS cladde with Ti	2010
288	740-07610	Upgrading	Fenne Germany	1 x 200 MW Coal fired PP	EVONIK	vertical / rectangular	1	9.918	118,3	Cooling tower	SS, 1.4404	Ø 20 x 0,5	CS cladde with SS	2009
287	740-07543	New plant	Kerawalapitya Sri Lanka	300 MW Comb.cycle PP	Lakdhanavi Ltd.	horizontal / rectangular	1	7.681	98,7	Cooling tower w. sea water	Ti Gr. 2, No. 3.7035	Ø 25,4 x 0,7 Ø 25,4 x 0,5	CS cladde with Ti	2009
286	740-07511	Retubing	Isar 1 / Essenbach Germany	900 MW Nuclear PP	Bayernwerk	vertical / rectangular	2	n.a.	n.a.	River water	Adm. brass, CuZn28Sn1	Ø 28 x 1,0	CS coated with epoxy	2007
285	740-07449	Upgrading	Weisweiler G Germany	1 x 600 MW Coal fired PP	RWE	vertical / rectangular	1	25.979	444,7	Cooling tower	SS, 1.4404	Ø 20 x 0,5 Ø 20 x 0,7	CS cladde with SS	2007
284	740-07488	New plant	Walsum 10 Germany	750 MW Coal fired PP	Hitachi / STEAG	vertical / rectangular	2	16.775	168,2	Cooling tower	Ti Gr. 2, No. 3.7035	Ø 25,0 x 0,7 Ø 25,0 x 0,4	CS cladde with Ti	2008
283	740-07451	New plant	Svartsengi 6 Island	1 x 30 MW Geothermal PP	Hitaveita Sudurnesja hf	vertical / rectangular	1	3.886	45,2	Cooling tower w. geo. water	SS, TP 316	Ø 22,0 x 0,7 Ø 22,0 x 1,0	SS, TP 316 L	2007
282	740-07453	New plant	Hellisheidi 3&4 Island	2 x 40 MW Geothermal PP	Orkuveita Reykjanikur	horizontal / rectangular	2	6.674	91,3	Cooling tower w. geo. water	Ti Gr. 2, B 338	Ø 23,0 / 19,0 x 0,5 / 0,7	Ti Gr. 2, B 265	2008
281	741-07404	Retubing + upgrading	Philippsburg Germany	926 MW Nuclear PP	KKW Philippsburg	vertical / rectangular	1	10.724	186,5	Cooling tower	Adm. brass, CuZn28Sn1	Ø 28 x 1,0	CS coated with epoxy	2006
280	740-07407	New plant	Hellisheidi 11 Island	1 x 30 MW Geothermal PP	Orkuveita Reykjanikur	horizontal / rectangular	1	6.828	82,7	Cooling tower w. geo. water	SS, TP 316	Ø 20,0 / x 0,5 / 0,7	SS, TP 316 L	2007

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279	744-07314	New plant	Zouxian 8 China	1 x 1000 MW Coal fired PP	DFSTW	vertical / rectangular	2	30.000	225	River water	SS, TP 317 L	Ø 25,0 x 0,5 Ø 25,0 x 0,7	CS cladde d with SS	2007
278	744-07314	New plant	Zouxian 7 China	1 x 1000 MW Coal fired PP	DFSTW	vertical / rectangular	2	30.000	225	River water	SS, TP 317 L	Ø 25,0 x 0,5 Ø 25,0 x 0,7	CS cladde d with SS	2006
277	206-94825	Retubing + upgrading	Philippsburg Germany	926 MW Nuclear PP	KKW Philippsburg	vertical / rectangular	1	10.724	186,5	Cooling tower	Adm. brass, CuZn28Sn1	Ø 28 x 1,0	CS coated with epoxy	2005
276	744-07294	Basic Engin.	Tangjin 7 + 8 Korea	2 x 500 MW, Coal fired PP	KOPEC / Hyundai	vertical / rectangular	4	11.915	121,3	Sea water	Ti Gr. 2, B 338	Ø 22,225 x 0,508 / 0,711	Ti Gr. 2, B 265	2006
275	740-07277	New plant	Hellisheidi 1&2 Island	2 x 40 MW Geothermal PP	Orkuveita Reykjanikur	horizontal / rectangular	2	6.674	91,3	Cooling tower w. geo. water	Ti Gr. 2, B 338	Ø 23,0 / 19,0 x 0,5 / 0,7	Ti Gr. 2, B 265	2006
274	740-07262	New plant	Reykjanes Island	2 x 50 MW Geothermal PP	Hitaveita Sudurnesja hf	vertical / rectangular	2	3.414	91,6	Sea water	Ti Gr. 2, B 338	Ø 21,0 x 0,5 Ø 21,0 x 0,7	Ti Gr. 2, B 265	2005
273	741-07207	Retubing + repair	MHKW Hameln Germany	Industrial PP	Enertec	vertical / round	1	1.560	n.a.	Cooling tower	Adm. brass, CuZn28Sn1	Ø 23 x 1,0	CS coated with epoxy	2004
272	741-07157	Retubing	Wesseling Germany	Industrial PP	Basell Polyolefin	n.a.	n.a.	n.a.	n.a.	n.a.	Alum. brass, CuZn20Al2	Ø 20 x 1,5	CS coated with epoxy	2003
271	741-07136	Retubing + upgrading	Philippsburg Germany	926 MW Nuclear PP	KKW Philippsburg	vertical / rectangular	2	20.448	373,0	Cooling tower	Adm. brass, CuZn28Sn1	Ø 28 x 1,0	CS coated with epoxy	2004
270	744-06945	New plan license	Numerous plants China	40 x 600 MW, Coal fired PP	Licencee DFSTW	vertical / rectangular	80	appr. 17.000	appr. 160	Cooling tower / river water	SS / Titan. / Brass	Ø 24...27 x 0,5...1,0	Miscellaneous	2004 to 2007
269	744-07046	New plant	Nangjing China	157 MW Comb. cycle PP	Daelim / BASF	horizontal / round	1	2.158	37,6	Cooling tower	SS, 904 L	Ø 25,4 x 0,558	SS, 904 L	2003
268	744-06945	New plant	Jiaxing China	2 x 600 MW Coal fired PP	DFSTW	vertical / rectangular	4	17.013	157,8	Sea water	Ti Gr. 2, B 338	Ø 25,0 x 0,5 Ø 25,0 x 0,7	CS cladde d with Ti	2003
267	744-06765	New supply	Malayko Malaysia	Industrial PP	MAN Turbo	vertical / round	1	220	2,3	Raw water	Adm. brass, CuZn28Sn1	Ø 22,0 x 1,0 Ø 22,0 x 1,5	CS coated with epoxy	2002
266	740-06844	New plant	Bahia De Bizkaia Spain	800 MW Comb. cycle PP	UTE Baia	vertical / rectangular	1	18.468	191,4	Sea water	Ti Gr. 2, B 338	Ø 20,0 x 0,508 Ø 20,0 x 0,711	CS cladde d with Ti	2002
265	740-06823	New plant	Samalkot	220 MW Comb. cycle PP	TEMA / Andhra Power	horizontal / rectangular	1	8.636	72,3	Cooling tower	SS, TP 304	Ø 25,4 x 0,711	CS coated with epoxy	2001

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264	740-06803	New plant	Richards Bay South Africa	Industrial PP	Indian Ocean Fertiliser	vertical / round	1	1.727	16,7	Cooling tower	SS, TP 304	Ø 22,225 x 0,711	CS coated with epoxy	2001
263	740-06784	New plant	Castellon Spain	785 MW Comb. cycle PP	GHESA + ACS + others	deaerating / vertic. / rectang.	1	18.442	199,5	Sea water	Ti Gr. 2, B 338	Ø 22,225 x 0,5 Ø 22,225 x 0,7	CS cladde with Ti	2001
262	740-06765	New supply	Tertre Belgium	Industrial PP	Kemira	vertical / round	1	380	5,6	Cooling tower	Adm. brass, CuZn28Sn1	Ø 18 x 1,0	CS coated with epoxy	
261	740-06761	New plant	Laem Chabang Thailand	105 MW Comb. cycle PP	Austrian Energy	horizontal / round	1	3.592	25,5	Cooling tower	SS, TP 317	Ø 25,4 x 0,7	CS coated with epoxy	2001
260	740-06631	New plant	Niederaussem Block K Germany	950 MW Lignite fired PP	Alstom	vertical / round	1	2.907	36,2	Cooling tower	SS, 1.4439	Ø 26 x 0,5	SS, 1.4439	2001
259	740-06808	Retrofit	Jining 4 China	100 MW Coal fired PP	Jining Power Plant	vertical / rectangular	2	3.531	38,6	Cooling tower	Adm. brass, CuZn28Sn1	Ø 25 x 1,0	CS coated with epoxy	2000
258	741-06728	Retubing	Wesseling Germany	Industrial PP	DEA Mineralöl	n.a.	n.a.	n.a.	n.a.	n.a.	SS, 1.4462	Ø 19 x 0,7	CS cladde with SS	2000
257	741-06708	Retubing	Isar 1 / Essenbach Germany	900 MW Nuclear PP	Bayernwerk	vertical / rectangular	2	n.a.	n.a.	River water	Adm. brass, CuZn28Sn1	Ø 28 x 1,0 Ø 28 x 1,5	CS coated with epoxy	2000
256	740-06640	Upgrading	Gundremmingen B + C Germany	2 x 1350 MW Nuclear PP	RWE + Bayernwerk	vertical / rectangular	4	34.696	582,8	Cooling tower	SS, 1.4439	Ø 20 x 0,5 Ø 20 x 0,7	CS cladde with SS	2000 + 2003
255	740-06630	New plant	Edenderry Ireland	128 MW Peat fired PP	Alstom	vertical / rectangular	1	7.403	66,9	Cooling tower	SS, 1.4435	Ø 25 x 0,6 Ø 25 x 0,7	CS cladde with SS	2000
254	741-06661	Retubing	Karlsruhe Germany	Industrial PP	MiRO	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 23 x 1,0	CS coated with epoxy	1999
253	740-06492	New plant	Bis Enerji / Bursa Turkey	174 MW Comb. cycle PP	General Electric	deaerating / horiz. / round	1	3.219	41,4	Cooling tower	SS, TP 316	Ø 23 x 0,711	SS, TP 316 L	1999
252	740-06447	New plant	Sarroch Sardinia	551 MW Comb. cycle PP	Nuovo Pignone	horizontal / rectangular	3	4.381	42,8	Cooling tower w. sea water	Ti Gr. 2, B 338	Ø 25,4 x 0,711 Ø 25,4 x 1,245	Ti Gr. 2, B 265	1999
251	740-06424	New plant	Boxberg Germany	912 MW Coal fired PP	Siemens	vertical / rectangular	1	45.105	405,8	Cooling tower	SS, 1.4401	Ø 19 x 0,7	CS coated with epoxy	1999
250	740-06422	New plant	Hanfeng 1 + 2 China	2 x 660 MW Coal fired PP	Siemens	vertical / rectangular	4	20.235	173,9	River water	SS, TP 304	Ø 23 x 0,5	CS coated with epoxy	1999 + 2000

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											Ti Gr. 2, B 338	Ø 22 x 0,5 Ø 22 x 0,7		
249	740-06276	New plant	Majuba 4 to 6 South Africa	3 x 720 MW Coal fired PP	ESKOM	vertical / rectangular	3	33.438	387,8	Cooling tower	Ti Gr. 2, B 338	Ø 22 x 0,5 Ø 22 x 0,7	CS cladde with Ti	1999 to 2001
248	744-06436	Engin.	Mauritius	Industrial PP	ABB	vertical / round	1	809	19,4	Cooling tower	SS, TP 316	Ø 19,05 x 0,711 Ø 19,05 x 1,0	CS cladde with SS	1998
247	740-06327	Engin.	Gresik Indonesia	42 MW Comb. cycle PP	Black & Veatch	vertical / round	2	830	11,3	Sea water	Ti Gr. 2, B 338	Ø 25,4 x 0,559	CS cladde with Ti	1998
246	740-06284	New plant	Cikarang Indonesia	340 MW Comb. cycle PP	Mitsubishi Heavy Industries	vertical / rectangular	2	5.734	61,1	Cooling tower	SS, TP 304	Ø 25,4 x 0,7	SS, TP 304 L	1998
245	740-06086	New plant	Rizhao 1 + 2 China	2 x 350 MW Coal fired PP	Siemens	vertical / rectangular	2	19.962	197,2	Sea water	Ti Gr. 2, B 338	Ø 25,4 x 0,5 Ø 25,4 x 0,7	CS cladde with Ti	1998
244	741-06304	Retubing	Hannover-Linden Germany	Comb. heat and power plant	Stadtwerke Hannover	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 23 x 1,0	CS coated with epoxy	1997
243	740-06245	New plant	Dotternhausen Germany	Industrial PP	Rohrbach Zement	vertical / round	1	449	7,8	Cooling tower	Ti Gr. 2, B 338	Ø 18 x 0,7	CS cladde with Ti	1997
242	740-06228	New plant	Seabank England	755 MW Comb. cycle PP	Siemens	horizontal / rectangular	2	7.663	95,0	Cooling tower	SS, 1.4439	Ø 21 x 0,5	CS cladde with SS	1997
241	741-06203	Retubing	Philippsburg Germany	926 MW Nuclear PP	KKW Philippsburg	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 28 x 1,0	CS coated with epoxy	1997
240	740-06196	New plant	Wilhelmshaven Germany	450 MW Coal fired PP	Siemens	vertical / rectangular	2	6.480	186,9	Sea water	Ti Gr. 2, B 338	Ø 27,6 x 0,5	CS cladde with Ti	1997
239	740-06128	New plant	Salak Indonesia	3 x 55 MW Geothermal PP	Fluor-Daniel + IKPT	vertical / rectangular	3	11.632	110,8	Cooling tower w. geo. Water	SS, TP 316 L	Ø 22,2 x 0,7	SS, TP 316 L	1997
238	744-06124	Engin.	Paguthan India	655 MW Comb. cycle PP	Siemens	horizontal / rectangular	4	8.055	CuNi 90-10, CuNi10Fe	Ø 21 x 1,0	CS coated with epoxy	1997
237	741-06209	Retubing	Frankfurt Germany	Comb. heat and power plant	Stadtwerke Frankfurt	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 23 x 1,0 Ø 23 x 1,5	...	1996
236	740-06176	Retubing	Veltheim 4 Germany	1 x 300 MW Coal fired PP	GKW Weser	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 23 x 1,0	CS coated with epoxy	1996
235	740-05968	New plant	Didcot 2 England	2 x 675 MW Comb. cycle PP	Siemens	horizontal / rectangular	2	7.749	91,8	Cooling tower	SS, 1.4301	Ø 19 x 0,5	CS cladde with SS	1996

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234	740-05968	New plant	Didcot 1 England	2 x 675 MW Comb. cycle PP	Siemens	horizontal / rectangular	2	7.749	91,8	Cooling tower	SS, 1.4301	Ø 19 x 0,5	CS cladde with SS	1996
233	740-06043	Retubing	Mannheim Germany	Comb. heat and power plant	EuW Rhein- Neckar	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 20 x 1,0 Ø 20 x 1,5	CS coated with epoxy	1995
232	740-06036	Retubing	Burghausen Germany	Industrial PP	ÖMV Deutschland	vertical / round	n.a.	n.a.	n.a.	n.a.	Alum. brass, CuZn20Al2	Ø 19,05 x 1,65	...	1995
231	740-05993	Retubing	Miesbach Germany	Industrial PP	PWA Grafische Papiere	n.a.	n.a.	n.a.	n.a.	n.a.	SS, 1.4301	Ø 23 x 0,7	CS coated with epoxy	1995
230	740-05987	Retubing	Veltheim 3 Germany	1 x 300 MW Coal fired PP	GKW Weser	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 23 x 1,0	CS coated with epoxy	1995
229	740-05962	Retrofit	Borssele 12 Netherlands	400 MW Coal fired PP	EPZ	vertical / rectangular	2	7.770	96,2	Sea water	Ti Gr. 2, B 338	Ø 28 x 0,5	CS cladde with Ti	1995
228	744-05029	Engin.	Yanshi II China	2 x 300 MW Coal fired PP	Dong Fang Elecric Corp.	vertical / rectangular	2	18.752	161,0	Cooling tower	Adm. brass, CuZn28Sn1	Ø 25 x 1,0	CS, A 516 Gr. 70	1995
227	741-05945	Retubing	Fortuna Germany	80 MW Lignite fired PP	Kreiselmaier	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 23 x 1,0	CS coated with epoxy	1994
226	740-05787	Retubing	Berlin-Rudow Germany	Comb. heat and power plant	BEWAG	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 23 x 1,0	CS coated with epoxy	1994
225	740-05778	Retubing	Stuttgart Germany	Laboratory PP	Universität Stuttgart	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 22 x1,0	CS, H II	1994
224	740-05676	Retubing	Dachau Germany	Industrial PP	MD Papier	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 25 x 1,0 Ø 25 x 1,5	CS coated with epoxy	1994
223	740-05563	Retubing	Veltheim 2 Germany	1 x 100 MW Coal fired PP	GKW Weser	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 23 x 1,0	CS coated with epoxy	1994
222	740-05274	New plant	Wesseling Germany	Industrial PP	ROW	horizontal / round	1	1.325	13,9	Cooling tower	Alum. brass + Ti Gr. 1	Ø 23 x 1,0 + Ø 25 x 0,7	CS coated with epoxy	1994
221	460-04570	New plant	Rostock Germany	550 MW Coal fired PP	Preussen Elektra	vertical / rectangular	2	12.972	264,7	Cooling tower w. sea water	Ti Gr. 2, B 338	Ø 24 x 0,5	CS cladde with Ti	1994
220	740-05379	Upgrading	Mehrum 3 Germany	700 MW Coal fired PP	PreussenElektra + KW Mehrum	vertical / rectangular	2	12.598	293,3	Cooling tower	Alum. brass, CuZn20Al2	Ø 23 x 1,0	CS coated with epoxy	1993

REFERENCE LIST

WATER COOLED TURBINE SURFACE CONDENSERS – SINCE 1990

Item	Job no.	Job type	Plant name / location	Plant type	Customer	Type of condenser	No. of shells	Surface per shell [m ²]	Steam per shell [kg/s]	Type of cooling	Tubes		Tubesheets	Com. Year
219	740-05268	Retrofit	Karlsruhe-West Germany	Comb. heat and power plant	Stadtwerke Karlsruhe	vertical / round	1	1.894	21,5	River water	Ti Gr. 2, Ti2	Ø 25 x 0,5	CS cladded with Ti	1993
218	740-04960	Retubing	Veltheim 1 Germany	1 x 100 MW Coal fired PP	GKW Weser	n.a.	n.a.	n.a.	n.a.	n.a.	Adm. brass, CuZn28Sn1	Ø 23 x 1,0	Brass, ...	1992
217	450-04156	Upgrading	Stade Germany	630 MW Nuclear PP	PreussenElektra	vertical / rectangular	2	18.910	552,8	Brackish water	SS, 1.4439	Ø 23 x 0,5 Ø 23 x 0,7	CS cladded with Ti	1990