



REFERENCE LIST

Metal Treatment Technology (S) Pte Ltd
 55 Tuas View Place, Singapore 637890
 Tel : +65 6863 1233, Email : info@mttspl.biz

No.	Location	Boiler type	Boiler ID	Year cleaned
1	Shell Chemicals Seraya	Evaporator	A7101	May-12
2	Shell Bukom	Fossil fuel-fired water tube boiler with steam drum and lower headers,no water drum	F4531 and V3411	Jun-10
3	SUT - Jurong Island	AEE VHP 400 t/hr Provision of consultative & supervision services		Nov-07
3	Shell Bukom	Cogen	F9801	Sep-07
4	Shell Bukom	Fossil fuel-fired water tube boiler with steam drum and lower headers,no water drum	F-5102A	Apr-05
5	Shell Bukom	Fossil fuel-fired water tube boiler with steam drum and lower headers,no water drum	F-5102B	2003
6	Shell Bukom	Fossil fuel-fired water tube boiler with steam drum and lower headers,no water drum	F-5103	2003
7	Seraya Chemicals	Fossil fuel-fired water tube boiler with steam drum and lower headers,with water drum	A-5132	2003
8	Seraya Chemicals	Single pressure HRSG	A-5142B	2003
9	Seraya Chemicals	Single pressure HRSG	A-5142A	2003
10	Shell Brunei LNG	Single pressure HRSG	F-1511	2002
11	Shell Brunei LNG	Single pressure HRSG	F-1512	2002
12	Shell Brunei LNG	Single pressure HRSG	F-1513	2002
13	Shell Brunei LNG	Fossil fuel -fired water tube boiler with steam drum and lower headers, no water drum	F-5207	1998
14	Shell Brunei LNG	Fossil fuel -fired water tube boiler with steam drum and lower headers, no water drum	F-5208	1998



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15	Shell Brunei LNG	Fossil fuel -fired water tube boiler with steam drum and lower headers, no water drum	F-5209	1999
16	Shell Brunei LNG	Fossil fuel -fired water tube boiler with steam drum and lower headers, no water drum	F-5206	1999
17	Shell Brunei LNG	Fossil fuel -fired water tube boiler with steam drum and lower headers, no water drum	F-5205	1999
18	Shell Brunei LNG	Fossil fuel -fired water tube boiler with steam drum and lower headers, no water drum	F-5204	1999
19	Shell Brunei LNG	Fossil fuel -fired water tube boiler with steam drum and lower headers, no water drum	F-5203	1999
20	Shell Brunei LNG	Fossil fuel -fired water tube boiler with steam drum and lower headers, no water drum	F-5202	1999
21	Shell Brunei LNG	Fossil fuel -fired water tube boiler with steam drum and lower headers, no water drum	F-5201	1999
22	Shell Bukom	CO boiler		Jul-10
23	Shell Chemicals Seraya	HRSG	F-5142A	Nov-12
24	Shell Chemicals Seraya	HRSG	A5132	Jan-13
25	Shell Chemicals Seraya	HRSG	F-5142B	Mar-13



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No.	Job Description	Client	Industry	Location Year
1	Consultancy & supervision of pre-commission cleaning of 3 stage standard Fasel HRSG 11A	Vecom Industrial bv/ Bechtel ENKA VoF	Power station	Rotterdam Netherland
2	Maintenance cleaning of steam side of boiler F5103, F5102B & F5102A	Shell Eastern Petroluem Pte Ltd	Refinery	Pulau Bukom Singapore
3	Carbon removal & post operational cleaning of boiler A5132, HRSGs A5142A & A5142B	Seraya Chemicals Pte Ltd	Chemical industry (monostyrene)	Jurong Island Singapore
4	Chemical descaling of A7101 & A7102 evaporators	Seraya Chemicals Pte Ltd	Chemical industry (monostyrene)	Jurong Island Singapore
5	Descaling & decarbonizing of silencers	Seraya Chemicals Pte Ltd	Chemical industry (monostyrene)	Jurong Island Singapore
6	Decarbonizing E173 spiral-type heat-exchangers	Seraya Chemicals Pte Ltd	Chemical industry (monostyrene)	Jurong Island Singapore
7	Decarbonizing of nozzle gun	Seraya Chemicals Pte Ltd	Chemical industry (monostyrene)	MTT workshop
8	Derust & decarbonizing of flame-arrestor and flare-gun	Seraya Chemicals Pte Ltd	Chemical industry (monostyrene)	MTT workshop
9	Alkaline boil-out and magnetite drive of HRSG 1,2 and 3	Nuovo Pignone/ Rosetti	Gas liquefaction plant	Brunei LNG
10	Consultancy & supervision of pre-commission cleaning of Kemya III- interconnecting line	Anabeed Parsons/ MMG	Chemical plant	Al- Jubail Saudi Arabia
11	Post commission cleaning of 9 lines main steam generation & economizers units	Shell Brunei LNG	Gas liquefaction plant	Brunei
12	Chemical cleaning of condenser & seawater system on Enemalta's Marsa & power station	Parsons Turbines Ltd	Power station	Malta



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13	Pre-commissioning of HP oxygen lines	KMI Bontang	Methanol plant	Indonesia
14	Derust and decarbonizing of flare-gun	Shell Eastern Petroleum Pte Ltd	Refinery	MTT workshop
15	Detergent flushing of oxygen PT compressor suction line	P T Samudra Ferro Engr	Methanol plant	Indonesia
16	Chemical cleaning of compressor end spool pipelines	P T Duta Voest Alpine	Methanol plant	Indonesia
17	Chemical cleaning of oleum storage tank for hot work	Chevron Chemicals F E	Chemical plant	Jurong Island Singapore
18	Chemical cleaning of stainless steel DCO filters	Singapore Refinery Company	Refinery	Jurong Island Singapore
19	Chemical cleaning of air & lube-oil coolers	Singapore Refinery Company	Refinery	Jurong Island Singapore
20	Chemical cleaning of cast line puller, heat-exchangers & systems	Dow Chemical Pacific (S) Pte Ltd	Chemical plant	Singapore
21	Chemical cleaning of high purity N2 lines at SUT, Pulau Sakra	PEC	Gas	Jurong Island Singapore
22	Decontamination of HX, desalter and CD4 at Shell Bukom	Chimec Pte Ltd Marco Rossoni 6261 5975	Refinery	Pulau Bukom Singapore July/08
23	Pre-commissioning cleaning of stainless steel pipelines, lube oil tanks and others on board Aoka Mizu FPSO	Bluewater Energy c/o Aibel /Audex	Shipyard	Singapore March/08
24	Chemical cleaning of A7101 evaporators	Shell Chemicals Seraya	Chemical plant	Jurong Island Singapore May/08
25	Maintenance cleaning of HX2303 and HX2403 heat exchangers	Shell Chemicals Seraya	Chemical plant	MTT workshop Aug-08
26	Pickling & passivation of SS316L cargo piping systems	Vecom Marine Alliance	Marine	Gibraltar Jun-08
27	Pickling & passivation of SS316L cargo piping systems	Vecom Marine Alliance	Marine	Gibraltar Sep-08
28	Pickling & passivation of SS316L cargo piping systems	Vecom Marine Alliance	Marine	Gibraltar Nov-08



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No.	Job Description	Client	Industry	Location Year
29	Boiler cleaning	Doosan Babcock	Shipyard	Pasir Gudang Nov-08
30	Precommissioning cleaning of lube oil tank - SS316L	Technic Offshore	Oil/Gas/ Petrochem	Singapore (workshop) Jun-07
31	Precommissioning cleaning of KO drum and suction drum - SS316L	Technic Offshore	Oil/Gas/ Petrochem	Singapore (workshop) Jan-08
32	Chemicals cleaning spiral heat-exchanger	Shell Chemicals Seraya	Oil/Gas/ Petrochem	Singapore (site) Nov-09
33	Chemical cleaning of flame-arrestor	Shell Chemicals Seraya	Oil/Gas/ Petrochem	Singapore (workshop) Jan-10
34	Degreasing - C3602 ADIP column	Shell Bukom	Refinery	Pulau Bukom Singapore Jul-10
35	Chemical cleaning - CO boiler + associated pipings and vessel	Shell Bukom	Refinery	Pulau Bukom Singapore Jul-10
36	Chemical cleaning - E6333A/B heat-exchanger	Shell Chemicals Seraya	Oil/Gas/ Petrochem	Singapore (site) Jan/12
37	Chemical cleaning for A7101 evaporators	Shell Chemicals Seraya	Oil/Gas/ Petrochem	Singapore (site) Jul-12
38	Chemical cleaning for E7112 spiral heat exchangers	Shell Chemicals Seraya	Oil/Gas/ Petrochem	Singapore (workshop) Jul-12
39	Chemical cleaning for A5142A HRSG	Shell Chemicals Seraya	Oil/Gas/ Petrochem	Singapore Nov-12
40	Chemical cleaning for SS pipings and ductings	Hiap Seng Lanxess	Oil/Gas/ Petrochem	Jurong Island Sep-12
41	Chemical cleaning - CWS + chlorinating potable water system	Hiap Seng SLNG	Oil/Gas/ Petrochem	Jurong Island Dec-12
42	Chemical cleaning for A5132 boiler	Shell Chemicals Seraya	Oil/Gas/ Petrochem	Jurong Island Jan-13
43	Chemical cleaning for A5142B HRSG	Shell Chemicals Seraya	Oil/Gas/ Petrochem	Jurong Island Mar-13



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44	Chemical cleaning for fibre- type filters	Shell MEG	Oil/Gas/ Petrochem	MTT workshop Jun-13
45	Chemical cleaning 4" - styrene monomer valves	SCSPL	Oil/Gas/ Petrochem	MTT workshop Jul-13
46	Chemical cleaning - inter coolers	SRC	Oil/Gas/ Petrochem	MTT workshop Nov-13
47	Chemical cleaning - strainers	SCSPL	Oil/Gas/ Petrochem	MTT workshop Dec-13
48	Chemical cleaning - filters	Trimech/Teijin PC	Oil/Gas/ Petrochem	MTT workshop Apr-14
49	Chemical cleaning - evaporators A7101 and A7102	SCSPL	Oil/Gas/ Petrochem	Jurong Island Oct-14
50	Chemical cleaning - evaporators A7101 and A7102	SCSPL	Oil/Gas/ Petrochem	Jurong Island Mar-16
	Chemical cleaning - E7112 - spiral type heat-exchanger	SCSPL	Oil/Gas/ Petrochem	MTT workshop Mar-16
51	Chemical cleaning - leaf & cartridge filters	Neste	Oil/Gas/ Petrochem	MTT workshop
52	DCO filters	SRC	Oil/Gas/ Petrochem	MTT workshop Nov/Dec 2016



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No	Job Description	Client	Industry	Location/ Year
1	Pre-commission cleaning and post-commission cleaning of stainless steel equipment	Wyeth Pharmaceutical Singapore Pte Ltd	Pharmaceutical	Singapore (site)
2	Maintenance cleaning of boiler no.5	Cognis Oleochemicals (M) Sdn Bhd	Palm oil	Selangor, Malaysia (site)
3	Pre-commissioning cleaning and sanitation of Hot Purified Water System	Aventis Pharma Mfg Pte Ltd	Pharmaceutical	Singapore (site)
4	Pre-commissioning cleaning and sanitation of depyrogenation plant	Rhone Poulenc Rorer Industrial Operations Pte Ltd	Pharmaceutical	Singapore (site)
5	Pre-commissioning cleaning of Hot Purified Water System	Smithkline Beecham c/o Kvaerner E&C S'pore Pte Ltd	Pharmaceutical	Singapore (site)
6	Chemical cleaning of Kammera valve body of contaminated aluminium oxides	Glaxo Wellcome Manufacturing	Pharmaceutical	Singapore (site)
7	Solvent cleaning of system piping	Lurgi Oel Gas Chemie Gmbh	Laboratory	Indonesia
8	Chemical cleaning and passivation of Pure Steam Generator, WFI Still and WFI tank	Phillip Mueller Hager + Elsasser Gmbh/BTC	Pharmaceutical	Singapore (site)
9	Pre-commissioning cleaning of plant equipment supplied by Nucon, Niro and Tetra Pak	Wyeth Nutritional (S) Pte Ltd	Food and beverage	Singapore (site)
10	Chemical cleaning and passivation of Depyrogenated Water & Distribution System	Aventis Pharma Mfg Pte Ltd	Pharmaceutical	Singapore (site)
11	Chemical cleaning of SS pipeline from purification unit to production area	F&N Coca Cola (S) Pte Ltd	Food and beverage	Singapore (site)
12	Maintenance cleaning of Tenkay Dust Collector Exhaust Ducting	Wyeth Nutritional (S) Pte Ltd	Food	Singapore (site) July/05
13	Chemical cleaning of IMS recovery unit	Aventis Pharma Mfg Pte Ltd	Pharmaceutical	Singapore (site) July/06
14	Chemical cleaning of 3 units carbon steel jackets	Aventis Pharma Mfg Pte Ltd	Pharmaceutical	Singapore (site)



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15	Pickling and passivation of SS316L stirrer	A Bio Pharma	Pharmaceutical	Singapore (Workshop)
16	Pickling and passivation of SS316L pipe spools	Aventis Pharma Mfg Pte Ltd	Pharmaceutical	Singapore (Workshop)
17	Chemical cleaning of SS316L evaporators at Abbot	Tetra Pak/CPS	Nutritional	Singapore (site) Aug-07
18	Pickling and passivation of SS316L pipe spools	West Pharma	Pharmaceutical	Singapore (Workshop) April/08
19	Pre-commissioning and maintenance cleaning of SS316L plant equipment at Abbott	Nucon	Nutritional	Singapore (site) June/08 in progress
20	Derouging WFI and PSG loops and tanks	West Pharma	Pharmaceutical	Singapore Jan-09
21	Pre-commissioning cleaning of SS316L pipelines	GSK Biologicals (UCT)	Pharmaceutical	Singapore Mar/Apr 09
22	Chemical cleaning of SS 316L silos & process piping	Wyeth (Wyeth S40)	Nutritional	Singapore Jul-09
23	Maintenance cleaning of SS 316L IBCs	Novartis	Pharmaceutical	Singapore (Workshop) Oct/09
24	Maintenance cleaning of SS316L auto dispensing pipe spools	Novartis	Pharmaceutical	Singapore (Workshop) Aug/09
25	Derouging - RWN/IGN pumps & SS316Lpipelines	Abbott Manufacturing	Nutritional	Singapore (site) Jul/11
26	Chemical cleaning - process equipment	Nucon/Abbott	Nutritional	Singapore (site)
27	Chemical cleaning - 20 SS 316L tanks	IFF (Micro Fab)	Nutritional	Singapore (site) - Jan 12
28	Chemical cleaning	Kinetics Process - at Baxter	Pharmaceutical	Singapore (site) Nov/13
29	Chemical cleaning for hoppers, cyclones, exhaust housing, dryer ducting, dry powder section	GEA/Mead Johnson	Nutritional	Singapore (site) Mar 2013 to March 2014