








VATANA PHAISAL ENGINEERING CO.,LTD.








List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight (Ton)
2013	Boustead International Heaters Ltd. 	North West Redwater Partnership, Canada	9 units of Heater	2,177
	Petro-Chem Development Co., Inc. 	IRPC UHV Project, Thailand	1 unit of Steam Methane Reformer, and 1unit of Flue Gas Cooler	595
		Celanese Clear Lake Project, USA	1 unit of Methanol Reformer	2,250
	Furnace Engineering Inc. 	JGC-Jazan Project, Saudi Arabia	4 units of Heater	4,160
2012	Boustead International Heaters Ltd. 	Snamprogetti CNRL Project, Canada	1 unit of Recycle Gas Heater	165
		Siemens Project, Pakistan	1 unit of WHRU	110
		JKC - Ichthys Project, Australia	4 units of WHRU	1,227
		Dow / Texas Project, USA	4 units of Heater	2,408
		Thai Oil - EIPSA3 Project, Thailand	1 units of Vacuum Heaters	600
		Husky Oil Sunrise Project, Canada	4 units of Fired heater	300
		Cullum Detuners Project, Brazil	1 unit of WHRU	40
	Furnace Engineering Inc. 	JKC - Ichthys Project, Australia	2 units of Heater	600



VATANA PHAISAL ENGINEERING CO.,LTD.








List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight (Ton)
2012	KBR Oversea, Inc 	UGCC Project, Uzbekistan	5 units of Heaters (Radiant and Secondary Steel)	2,095
		Petro-Chem Development Co., Inc. 	Sabine Project, USA	4 units of GT WHRU
	Selas Fluid Processing Corporation 	Wheatstone LNG Project, Australia	12 units of GT WHRU and 2 units of Heaters	2,900
		Worley Parson Project, New Zealand	1 unit of CCR Platform Heater	664
		La-Porte-03:Etylene Project , USA (Houston)	2 Units of Cracking Heater	1,120
			BFLP 10th Furnace Project, USA (Texas)	1 unit of Furnace
2011	Boustead International Heaters Ltd. 	ExxonMobil Project, Singapore	2 units of Heater	770
		Petrofac Project, Iraq	2 units of Hot Oil Heater	250
		Exxon-Samref Mogas Project, Saudi Arabia	6 units of Fired Heaters	535
		Alba Phase 3 Project, U.A.E.	1 unit of Convection Modules for Fired Hearer	10
		Petrofac Project, Turkmenistan	4 units of Fired heater	335
		Yanbu Export Refinery Project, Saudi Arabia	5 units of Fired Heaters	1,700
	Furnace Engineering Inc. 	Ammonia and Urea Plant, Turkministan	1 unit of Primary Reformer	745



VATANA PHAISAL ENGINEERING CO.,LTD.



List of Work Experience Fired Heaters






Year	Client	Project Name / Location	Product Description	Weight (Ton)
2011	Petro - Chem Development Co., Inc. 	Arkema Project, China	1 unit of Monomer Reactor	96
		Braskem Project, Brazil	1 unit of Fired Heater	215
		GS-Takreer/Ruwais Refinery Expansion Project, U.A.E	1 unit of CO Boiler and Ducting	1,375
		Chiyoda -Shell Singapore Project, Singapore	1 unit of Fired Heater	155
		Chevron-Pascagoula Box Oil Project, USA	4 units of Fired Heaters	360
	KTI Corporation (USA) 	Husky Sunrise SAGD Project, Canada	10 units of Fired Heaters	870
		Technip/Gasco -Asab 3 Project, U.A.E.	1 unit of Fired Heater	50
		YPF La Plata Project, Argentina	2 units of Fired Heater	115
	Heurtey Petrochem France S.A. 	Yanbu Export Refinery Project	4 units of Crude & Vacuum Heaters	2,000
	Lummus Technology Heat Transfer BV 	Yanbu Export Refinery Project	2 units of CCR Heaters & 4 Fired Heaters	2,430
	Lummus Technology Inc. 	IRPC / EBSM Upgrading, Thailand	1 unit of Cracking Heater	288
		JG Summit Project, Phillipines	3 units of Convection for Cracking Heater	900
Wastlake Project, USA		1 unit of Cracking Heater	486	



VATANA PHAISAL ENGINEERING CO.,LTD.









List of Work Experience Fired Heaters

Year	Client	Project Name / Location	Product Description	Weight (Ton)
2010	Boustead International Heater Ltd. 	Saipem SA – Hassi Messaoud Project, Algeria	3 units of Regeneration Gas Heater, and 3 units of Hot Oil Heater	567
		Toledo-USA (KBR / BP)	1 unit of CCR Platformer	800
		JERP-AL Jubail, Saudi Arabia SECL-SATORP (ARAMCO)	2 units of CCR Platformer, 3 units of Reoiler, and 1 unit of Feed Heater	2,564
		JERP - AL Jubail, Saudi Arabia Daelim - SATORP (ARAMCO)	3 units of TGT heater	342
		SNC Lavalin Project Algeria	1 unit of Regen Gas Heater and 1 unit of Hot Oil Heater	222
		Petro - Chem Development Co., Inc. 	Bechtel / SPRC Project	1 unit of HDS Reactor Heater
	MRPL Mangalore Project, India		1 unit of Convection Section&Breeching for Reactor Heater (BA-33301)	81
	1.6 Hexanediol Plants -Rayong, Thailand.		1 unit of Heat Transfer Oil Furnace & Furnace Fan	48
	Pertamina/Calicap, Indonesia		1 unit of Vacuum Long Residue Heater, and 1 unit of Vacuum Intermediate Residue Heater	102
	KTI Corporation (USA) 	JERP-AL Jubail,Saudi Arabia □ Technip-SATORP (ARAMCO)	6 units of Fired heater (4 designs)	2,301
	Lummus Technology Inc. 	JERP-AL Jubail,Saudi Arabia TR-SATORP (ARAMCO)	2 units of Crude heater, and 2 units of Vacuum Heater	150
	Selas Fluid Processing Corporation 	JERP- AL Jubail, Saudi Arabia	6 units of Fire Heater (Convection Module and Radiant Coil)	93
		TR-SATORP (ARAMCO)		



VATANA PHAISAL ENGINEERING CO.,LTD.





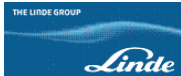



List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight (Ton)
2010	Selas Linde GmbH 	Suez / Daniel Project, Egypt	1 unit of DR Gas Heater	1,240
2009	Petro - Chem Development Co., Inc.  NEM B.V. 	NCP Project, Saudi Arabia	2 units of Fired Heater	78
		UHDE/JSC Sayanskchimplast VCM Plant Project, Russia Federation	1 unit of EDC Pyrolysis Furnace	241
		Midor / Technip Projec, Egypt	1 unit of Delayed Coker	261
		Arkema Inc. / Tiger Project, China	1 unit of Monomer Reactor	41
		Shazand Arak Refinery Expansion and Upgrading Project, Iran	1 unit of CO Boiler	1,008
	Boustead International Heater Ltd. 	American Bechtel Inc. / Darwin LNG Project, Australia	4 units of Waste Heat Recovery Unit	178
		Petrofac / El Merk Project, Algeria	3 units of Hot Oil Heater, and 1 unit of Regeneration Gas Heater	726
		Manifa Gas Facilities (MGF) Project, Saudi Arabia	2 units of Air Preheater Furnace	171
	Technip Engineering (Thailand) Ltd. 	Hydrogen Plant for MTP, HP, JV Project, Thailand (Rayong)	Reformer Structural Steel , Convection coil, Convection Section Modular Pre-Assembly, and Structural Plant Steel	579
	Selas Linde GmbH 	Sukhna Project, Egypt	1 unit of Steam Reformer, and 1 unit of Gas Heater	1,564



VATANA PHAISAL ENGINEERING CO.,LTD.








List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight (Ton)
2008	KTI Corporation (USA) 	Motiva Gas Port Arthur Project, USA (Texas)	4 units of Crude Furnace, 2 units of HVU Furnace, and 1 unit of HCF Fractionator Feed Heater	1,116
	Selas Linde GmbH 	Abu Dhabi Project Carbon Copy Unit 2, U.A.E.	1 unit of Heater	908
	Lummus Technology Inc. 	NCP Project, Saudi Arabia	9 units of Cracking Heater	4,280
	Boustead International Heater Ltd. 	Column Detuners Ltd. - Petrobras Project, Brazil	3 units of Waste Heat Recovery Unit	403
		Initec Project, Chile	1 unit of Topping Charge Heater, and 1 unit of Vacuum Heater	352
		Petrobras P51 : Rolls Royce Project, Brazil	4 units of Waste Heat Recovery Unit	187
		SBM Project, Canada	3 units of Waste Heat Recovery Unit	66
Perocedeno SA / Sincor Project, Venezuela		1 unit of Cabin Type, Oil Heater	250	
2007	Selas Linde GmbH 	Abu Dhabi Project, U.A.E.	1 unit of Heater	908
	Linde Impianti Italia S.p.A. 	Al khaleej Gas-2 Project; Qatar	4 units of Vacuum Heater, and GT Stack	360
		Toyo-Shell Pearl GTL Project, Qatar (KBR)	4 units of Regeneration Gas Heater	1,650









VATANA PHAISAL ENGINEERING CO.,LTD.



List of Work Experience Fired Heaters

Year	Client	Project Name / Location	Product Description	Weight (Ton)
2007	Heurtey Petrochem France S.A. 	VDU Pour Shell Project, Singapore	1 unit of Vacuum Furnace	308
		SPTOF Project, Singapore	7 units of Cracking Furnace delivery in full modularization with pipe rack and CV deck	16,000
	KTI Corporation (USA) 	Suncor DSU Energy Project, Canada	2 units of DSU Heater	394
		Suncor Voyager Energy Project, Canada	18 units of Coker heater	2,503
		Toyo / Shell Project, Qatar	2 units of Shell Reformer Convection Module	320
		Angola LNG Project, Angola	4 units of Hot oil Heater, and 1 unit of Regeneration Gas Heater	110
	Boustead International Heater Ltd. 	Petrofac Project, Oman	1 unit of Vacuum Heater	145
		Khursaniyah Gas Plant Project, Saudi Arabia	3 units of Air Preheater Furnace	200
		Imperial Oil Project, Canada	1 unit of Vacuum Tower Heater	370
		Baku Project, Azerbaijan	1 unit of Cabin Crude Oil Heater	187
		Shell Scotford Project, Canada	5 units of Process Fired Heater	847
		Shell Scotford 2 Project, Canada	1 unit of Vacuum Fired Heater, and 1 unit of Feed Fired Heater	769
		Solar turbine Project, Tunisia	4 units of Waste Heat Recovery Heater	250
		SK Olefins Plant	2 units of Heater	116
		Petrofac, Oman	1 unit of Regeneration Gas Heater	48
		LNG Plant Project, Peru	2 units of Heater	286
	Furnace Engineering Inc. 	Metor Expansion Project, Venezuela	1 unit of Steam Reformer	1,350
IHI/Sonatrach GP1.Z - III, Algeria		3 units of Hot Oil Heater	1,455	
ABB Lummus Heat Transfer B.V. 	Shell ECC Project, Singapore	10 units of Cracking Heater	3,960	








List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight (Ton)
2007	ABB Lummus Heat Transfer (USA) 	PTTPE Project, Thailand	7 units of Convection Module/Cracking Heater	2,657
	Selas Fluid Processing Corporation 	PTT Chemical, Thailand	1 unit of Convection section/Cracking Heater	190
	Petro - Chem Development Co., Inc. 	Trinidad Petrotrin Project	4 units of Heater	719
		Sohar Project / Oman	6 units of CCR Heater	940
2006	Linde Impianti Italia S.p.A. 	Ras Laffan LNG Project, Qatar	6 units of Heater, and GT Stack	1,630
	Kirchner Italia S.p.A. 	Tangguh LNG Project, Indonesia	2 units of Gas Heater	170
	Heurtey Petrochem France S.A. 	Reliance Project, India	18 units of Convection Module	495



VATANA PHAISAL ENGINEERING CO.,LTD.








List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight (Ton)
2006	KTI Corporation (USA) 	Thai Oil Project, Thailand	1 unit of Crude Charge Heater	430
	Boustead International Heater Ltd. 	Sicon Oil & Gas Project, Saudi Arabia	3 units of Vacuum Heater	923
		Gasco Project, UAE	2 units of Vacuum Heater	144
		Escravos Project, Nigeria	5 units of Hot Oil Heater	1,041
	Furnace Engineering Inc. 	GP2 - Z Project / Algeria	1 unit of Hot Oil Heater	137
		HP Project / India	1 unit of Hot Oil Heater and APH System	264
	Foster Wheeler Energy Limited 	Petro Vietnam Project, Vietnam	1 unit each of Combuster, Waste Heat Boiler, Economiser, and Structural, Duct and Stack	1,942
	Petro - Chem Development Co., Inc. 	Titan Project	2 units of Reactor Project	58
		ATC II Project, Thailand	2 units each of Stripper Reboiler Heater, and Xylene Column Reboiler 1 unit each of Isomar Charge Heater, Charge Heater, and Toluene Column Reboilers	1,172
		Ras Laffan LNG Project, Qatar	6 units of Heaters	640
HHI Chevron Project, Nigeria		2 units of Regeneration Gas Heater, 1 unit each of Hot oil Heater and OFH Charge Vacuum Heater	221	



VATANA PHAISAL ENGINEERING CO.,LTD.

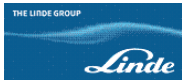






List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight (Ton)
2006	Selas Fluid Processing Corporation 	Tasnee Petrochemical Ethylene Project, Saudi Arabia	7 units of Radiant Steel, Platform, Duct, Stack and Steel Structure/Cracking Heater	3,343
2005	KTI Corporation (USA) 	Hovensa Project	1 unit of Heater	270
	Boustead International Heater Ltd. 	Linear-Alpha-Olefins Plant, Saudi Arabie	1 unit of Hot Oil Heater	150
		ACG Project, Azerbaijan	2 units of Crude Oil Heater	375
		Tabnak Gas Gathering & Treating Facilities, Iran	1 unit of Hot Oil Heater	55
		TAC Project, Thailand	1 unit of Naphtha Splitter Reboiler	56
		Mobile Production / JGC-East Area Project, Nigeria	1 unit of Hot Oil Heater	150
		Irving Oil HCU Revamp-Fluor Canada Project, Canada	1 unit of Fired Heater	115
		Gasco OGD III Project, U.A.E.	2 units of Regeneration Gas Heater	115
Furnace Engineering Inc. 	LSDP Bapco Project, Bahrain	1 unit each of 1st Stage Reactor Feed Furnace, 2nd Stage Reactor Feed Furnace, and Fractionaltor Feed Furnace	413	
ABB Lummus Heat Transfer (USA) 	ROC Ethylene Plant Capacity Expansion Project, Thailand	2 units of 2 SRT-VI Gas Fired Naphtha Cracking Heater	520	



VATANA PHAISAL ENGINEERING CO.,LTD.









List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight (Ton)
2005	Linde Impianti Italia S.p.A. 	Sakhalin II Project, Russian Federation	1 Unit of Hot Oil Heater, and 2 units of Heat Recovery Unit	450
	Heurtey Petrochem France S.A. 	Viny Thai Project, Thailand	1 Unit of Cracking Heater	150
		Exxon SOP 9th Furnace Project, Singapore	1 Unit of Cracking Heater	824
2004	ABB Lummus Heat Transfer B.V. 	CSPC Nanhai Petrochemical Complex, China	1 unit of Hot Oil Furnace	1,200
	Boustead International Heater Ltd. 	Abu Dhabi (Gasco)	2 units of Regeneration Gas Heater	114
		Abu Dhabi Project	2 units of Air Pre Heater Furnace	98
		Shah Deniz Gas Export Project, Azerbaijan	1 unit of Hot Oil Heater and 1 unit of West Heat Recovery Unit	350
		New Zealand Future Fuels Project, New Zealand	1 Unit of Reformate Splitter, and 1 unit of Reactor Charge Heater	76
		Songkhla Gas Separation Plant-1 Project, Thailand	2 units of Regeneration Gas Heater, 4 unit of West Heater Recovery Unit, and 3 units of Turbine Exhaust	350
		ALBA Phase 3 Project, Equatoria Guinea	3 units of Regeneration Reboiler/Gas Heater	285
		C-PTA Project, China	1 unit of Hot Oil Heater	246
Kirchner Italia S.p.A. 	Olefins Complex-Bandar Assaluyeh, Iran	1 unit of Hot Oil Heater	300	



VATANA PHAISAL ENGINEERING CO.,LTD.








List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight (Ton)
2004	KTI Corporation (USA) 	Edmonton Diesel Desulphurization Project, Canada	3 units of Gas & Feed Heater	275
		Hovansa Sulfer Gasoline Project , U.S. virgin Islands	1 unit of Reactor Effluent Furnace	220
		Ultra low sulfer diesel -Valero Project, U.S.A.	2 units of Steam Reformer Heater	500
	Furnace Engineering Inc. 	SMPC-3 Project, Thailand	1 unit of Hot Oil Heater	110
2003	KTI Corporation (USA) 	Reduc Expansion Unit Petrobras, Brazil	1 unit of Coker Heaters	370
		Ecopetrol / Tipiel Project, Columbia	1 unit of Vacuum Heater	70
		Petrox Refinery-Hydrogen Plant #2,Chile	1 unit of Steam-HC Reformer	120
		Bayport Expansion and Modernization Project, USA	1 unit of Tertiary Steam Superheater	200
		VCM / PVC Plant Expansion, Braskem, Brazil	1 unit of EDC Furnace	150
2002	Furnace Engineering Inc. 	ATC De-Bottlenecking Project Stage 2, Thailand	1 unit of Charge Heater	75
		TPRC Project, Thailand	1 unit of Stripper Reboiler Heater, and 1 unit of HTM Heater	75
2001	Furnace Engineering Inc. 	SMPC-2 PTA Project, Thailand	1 unit of 2PF-601 Hot Oil Heater, and 1 unit of 2TF-901 Fired Heater	220
		SMPC-2 PTA Project, Thailand	1 unit of Hot Oil Heater, and 1 unit of Waste Gas Heater	170
		Singapore Phenol Project, Singapore	1 unit of Hot Oil Heater	350
		OER2 Project, Japan	1 unit of SRT VI Gas Fired Cracking Heater	520
2000	Foster Wheeler Energy Limited 	Thailand Aromatic Recovery Project (ESSO), Thailand	1 unit of Charge Heater, 1 unit of Xylene Rerun Column Reboiler Heater, and 1 unit of Hot Oil Heater	835
		Sriracha Electrical Power/Steam Upgrade Project, Thailand	1 unit of Heat Recover Oil Heater	300





VATANA PHAISAL ENGINEERING CO.,LTD.



List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight (Ton)
2000	Furnace Engineering Inc. 	Thai Paraxylene Project, Thailand	1 unit each of Charge Heater, and Xylene Rerun Column Reboiler Heate	600
	ABB Lummus Heat Transfer B.V. 	ROC Olefins Ethylene Plant, Thailand	10 units of SRT Cracking Heater (Convection Module)	800
		Shell Seraya-2 Project, Singapore	1 unit of Heating Medium (HM) Furnace	800
1998	ABB Lummus Heat Transfer B.V. 	Kemya Olefins Project, Saudi Arabia	7 units of SRT III-4 Cracking Heater	1,985
		Kertih Aromatics Project, Malaysia	1 unit each of Fractionator Reboiler, Xylene Column, and Charge/Inter Heater 1/2/3 (Module)	910
	ABB Lummus Heat Transfer (USA) 	SM2 Project, Indonesia	1 unit of Steam Super heater	200
		Petrobras Regap & Replan Project, Brazil	2 units of Reformer Heater, and 3 units of Fired Heater	700
1995	Born Inc. 	TAC/Thai Aromatic & Reformer Project, Thailand	2 units each of Stripper Reboiler Heater and Charge Heater, 1 unit of Naphtha Splitter Reboiler Heater, 1 unit of Charge Heater/Inter Heater (H-1 to 4), 1 unit of Debutanizer Reboiler Heater, 1 unit of Deheptanizer Reboiler Heater, 1 unit of Reactor Charge Heater, 1 unit of Platformate Spiltter Reboiler Heater, 1 unit of Xylene Splitter Column Reboiler Heater, 1 unit of Heavy Aromatic Column Reboiler Heater, and 1 unit of Xylene Rerun Column Reboiler Heater	1,400



List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight (Ton)
1995	Kinetic Technology International S.p.A. 	Thai Oil / Hydrocracker (HCU)-2 Project, Thailand (Chonburi)	1 unit of Vacuum Charge Heater, 1 unit of Combined Feed Heater, 1 unit of Product Fractionator Feed heater, and 2 units of Incinerator	800
1994	Kinetic Technology International S.p.A. 	RRC/Rayong Refinery Project, Thailand	1 Unit of CDU Furnace 1 Unit of High Vacuum Furnace 1 Unit of Visbreaker Furnace 1 Unit of HDS Reactor Furnace 1 Unit of Main Fractionation Reboiler Furnace 1 Unit of NTH Reactor Furnace 1 Unit of UOP Platform Heater (F-1/2/3/4) 1 Unit of Recycle GAS Furnace 1 Unit of HCF Fractionation Furnace	1,200