








# VATANA PHAISAL ENGINEERING CO.,LTD.








List of Work Experience Fired Heaters				
Year	Client	Project Name / Location	Product Description	Weight ( Ton )
2013	<b>Boustead International Heaters Ltd.</b> 	North West Redwater Partnership, Canada	9 units of Heater	2,177
	<b>Petro-Chem Development Co., Inc.</b> 	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
	<b>Furnace Engineering Inc.</b> 	JGC-Jazan Project, Saudi Arabia	4 units of Heater	4,160
2012	<b>Boustead International Heaters Ltd.</b> 	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
	<b>Furnace Engineering Inc.</b> 	JKC - Ichthys Project, Australia	2 units of Heater	600



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2012	<b>KBR Oversea, Inc</b> 	UGCC Project, Uzbekistan	5 units of Heaters (Radiant and Secondary Steel)	2,095
		<b>Petro-Chem Development Co., Inc.</b> 	Sabine Project, USA	4 units of GT WHRU
	<b>Selas Fluid Processing Corporation</b> 	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	<b>Boustead International Heaters Ltd.</b> 	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
	<b>Furnace Engineering Inc.</b> 	Ammonia and Urea Plant, Turkministan	1 unit of Primary Reformer	745



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2011	<b>Petro - Chem Development Co., Inc.</b> 	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
	<b>KTI Corporation ( USA )</b> 	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
	<b>Heurtey Petrochem France S.A.</b> 	Yanbu Export Refinery Project	4 units of Crude & Vacuum Heaters	2,000
	<b>Lummus Technology Heat Transfer BV</b> 	Yanbu Export Refinery Project	2 units of CCR Heaters & 4 Fired Heaters	2,430
	<b>Lummus Technology Inc.</b> 	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	



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2010	<b>Boustead International Heater Ltd.</b> 	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
		<b>Petro - Chem Development Co., Inc.</b> 	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
	<b>KTI Corporation ( USA)</b> 	JERP-AL Jubail,Saudi Arabia □ Technip-SATORP (ARAMCO)	6 units of Fired heater ( 4 designs)	2,301
	<b>Lummus Technology Inc.</b> 	JERP-AL Jubail,Saudi Arabia TR-SATORP (ARAMCO)	2 units of Crude heater, and 2 units of Vacuum Heater	150
	<b>Selas Fluid Processing Corporation</b> 	JERP- AL Jubail, Saudi Arabia	6 units of Fire Heater ( Convection Module and Radiant Coil)	93
		TR-SATORP (ARAMCO)		



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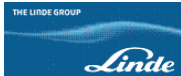



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Year	Client	Project Name / Location	Product Description	Weight ( Ton )
2010	<b>Selas Linde GmbH</b> 	Suez / Daniel Project, Egypt	1 unit of DR Gas Heater	1,240
2009	<b>Petro - Chem Development Co., Inc.</b>  <b>NEM B.V.</b> 	NCP Project, Saudi Arabia	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
	<b>Boustead International Heater Ltd.</b> 	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
	<b>Technip Engineering (Thailand ) Ltd.</b> 	Hydrogen Plant for MTP, HP, JV Project, Thailand (Rayong)	Reformer Structural Steel , Convection coil, Convection Section Modular Pre-Assembly, and Structural Plant Steel	579
	<b>Selas Linde GmbH</b> 	Sukhna Project, Egypt	1 unit of Steam Reformer, and 1 unit of Gas Heater	1,564



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2008	<b>KTI Corporation ( USA )</b> 	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
	<b>Selas Linde GmbH</b> 	Abu Dhabi Project Carbon Copy Unit 2, U.A.E.	1 unit of Heater	908
	<b>Lummus Technology Inc.</b> 	NCP Project, Saudi Arabia	9 units of Cracking Heater	4,280
	<b>Boustead International Heater Ltd.</b> 	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	<b>Selas Linde GmbH</b> 	Abu Dhabi Project, U.A.E.	1 unit of Heater	908
	<b>Linde Impianti Italia S.p.A.</b> 	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









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Year	Client	Project Name / Location	Product Description	Weight ( Ton )
2007	<b>Heurtey Petrochem France S.A.</b> 	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
	<b>KTI Corporation ( USA )</b> 	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
	<b>Boustead International Heater Ltd.</b> 	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
	<b>Furnace Engineering Inc.</b> 	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
<b>ABB Lummus Heat Transfer B.V.</b> 	Shell ECC Project, Singapore	10 units of Cracking Heater	3,960	








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





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2006	<b>KTI Corporation ( USA )</b> 	Thai Oil Project, Thailand	1 unit of Crude Charge Heater	430
	<b>Boustead International Heater Ltd.</b> 	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
	<b>Furnace Engineering Inc.</b> 	GP2 - Z Project / Algeria	1 unit of Hot Oil Heater	137
		HP Project / India	1 unit of Hot Oil Heater and APH System	264
	<b>Foster Wheeler Energy Limited</b> 	Petro Vietnam Project, Vietnam	1 unit each of Combuster, Waste Heat Boiler, Economiser, and Structural, Duct and Stack	1,942
	<b>Petro - Chem Development Co., Inc.</b> 	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	



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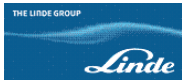






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Year	Client	Project Name / Location	Product Description	Weight ( Ton )
2006	<b>Selas Fluid Processing Corporation</b> 	Tasnee Petrochemical Ethylene Project, Saudi Arabia	7 units of Radiant Steel, Platform, Duct, Stack and Steel Structure/Cracking Heater	3,343
2005	<b>KTI Corporation ( USA )</b> 	Hovensa Project	1 unit of Heater	270
	<b>Boustead International Heater Ltd.</b> 	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
<b>Furnace Engineering Inc.</b> 	LSDP Bapco Project, Bahrain	1 unit each of 1st Stage Reactor Feed Furnace, 2nd Stage Reactor Feed Furnace, and Fractionaltor Feed Furnace	413	
<b>ABB Lummus Heat Transfer ( USA )</b> 	ROC Ethylene Plant Capacity Expansion Project, Thailand	2 units of 2 SRT-VI Gas Fired Naphtha Cracking Heater	520	



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2005	<b>Linde Impianti Italia S.p.A.</b> 	Sakhalin II Project, Russian Federation	1 Unit of Hot Oil Heater, and 2 units of Heat Recovery Unit	450
	<b>Heurtey Petrochem France S.A.</b> 	Viny Thai Project, Thailand	1 Unit of Cracking Heater	150
		Exxon SOP 9th Furnace Project, Singapore	1 Unit of Cracking Heater	824
2004	<b>ABB Lummus Heat Transfer B.V.</b> 	CSPC Nanhai Petrochemical Complex, China	1 unit of Hot Oil Furnace	1,200
	<b>Boustead International Heater Ltd.</b> 	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
<b>Kirchner Italia S.p.A.</b> 	Olefins Complex-Bandar Assaluyeh, Iran	1 unit of Hot Oil Heater	300	



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Year	Client	Project Name / Location	Product Description	Weight ( Ton )
2004	<b>KTI Corporation ( USA )</b> 	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
	<b>Furnace Engineering Inc.</b> 	SMPC-3 Project, Thailand	1 unit of Hot Oil Heater	110
2003	<b>KTI Corporation ( USA )</b> 	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	<b>Furnace Engineering Inc.</b> 	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	<b>Furnace Engineering Inc.</b> 	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	<b>Foster Wheeler Energy Limited</b> 	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





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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



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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