

Ferdinando Moretti, Projects reference list

Following is the list of Projects for which I worked as a Freelance Welding Inspector since 2006

PRESSURE VESSEL, COLUMNS, REACTORS, DRUMS AND H. EXCHANGER								
Customer	Qty	Weight (tons)	Shell Material	Shell thk	Tube material	Forgings Material	Code	bar
Qatar Energy LNG Large Bore Valves (2025)	9	/	/	A352 LCC	/	/	ASMEVIII Div.I TEMA R API 6D	/
SARLUX Air Cooler Heat Exchanger (2024/25)	3	Ni Alloy SB 424 UNS N08825					ASMEVIII Div.I TEMA R API 660	17/177
Yara Heat Exchangers Water cooler (2025)	1	6	SS	15	SS 316L	SS 316L	ASMEVIII Div.I TEMA R API 660	8
RAM Refinery Regenerator cyclone System (2024)	24	Material SA240 Tp 304H, SA479 Tp 304H					ASMEVIII Div.I TEMA R API 660	/
ALMA Petroli Colonna distillazione (2025)	1	134	SS 316L	SS 316L	/	SS 316L	PED + ASMEVIII Div.1	8
Yara Heat Exchangers (2024/25)	8	50/80	CS/SS/Ti	15/30	SS/Ti	CS/SS	EN/ASME/TEMA	10/120
Yara Heat Exchangers Recovery Reboiler (2025)	1	12	SS	10	SS 316l	SS 316l	PED ASMEVIII Div.2 TEMA R API 660	8
Yara Heat Exchangers Recovery Reboiler (2025)	1	15	CS	50	SA209 T1	CS	PED ASMEVIII Div.2 TEMA R API 660	70/8
Yara Heat Exchangers Gas Cooler (2025)	1	159	CS SA 765 Gr. IV	88	SA 210 Gr.A1	CS SA 765 Gr.IV	PED ASMEVIII Div.2 TEMA R API 660	190
Yara Heat Exchangers Methanator Eff. Cooler (2024/25)	1	15	SS Duplex UNS S32750	SS Duplex UNS S32750	SS Duplex UNS S32750	SS Duplex UNS S32750	EN13445/129523 PED ASMEVIII Div.1 TEMA R	28/4
Yara Heat Exchangers Tail Gas Heater (2024/25)	1	12	SS	10	SS	SS	EN13445/129523 PED ASMEVIII Div.1 TEMA R	8/7
Yara Heat Exchangers Total condenser (2024/25)	1	7	SS	10	SS	SS	EN13445/129523 PED ASMEVIII Div.1 TEMA R	19/8
Yara	2	12	SS	15	SS	SS	EN13445/129523	7/5

Heat Exchangers Ammonia Superheater (2024)								PED ASMEVIII Div.1 TEMA R	
Yara Heat Exchangers Solution Heater (2024)	1	1	SS	10	SS	SS		EN13445/129523 PED ASMEVIII Div.1 TEMA R	11
Yara Heat Exchangers High pressure acid condenser (2024)	1	19	SS	15	Ti SB338 Gr.2	SS/Ti		EN13445/129523 PED ASMEVIII Div.1 TEMA R	5/11
Yara Heat Exchangers Ammonium Nitrate Cooling (2024)	1	13	SS/CS	12	A789 UNS S31803	CS		EN13445/129523 PED ASMEVIII Div.1 TEMA R	8/7
Yara Heat Exchangers Tail Gas Heater (2023/24)	1	18	SS	12	SS 304L	SS 304L		EN13445/129523 PED ASMEVIII Div.1 TEMA R	12/11
Yara Heat Exchangers Tail Gas Heater 1 (2023)	1	13	SS	13	SS 304L	SS 304L		EN13445/129523 PED ASMEVIII Div.1 TEMA R	14/11
Yara Heat Exchangers Ammonia Evaporator (2023)	2	41	CS	22	SA334 gr.6	CS SA350 Lf2		EN13445/129523 PED TEMA R	28/343
Yara Heat Exchangers HP Cooler Condenser (2023)	2	65	SS	20	Ti SB338 Gr.2	SS		EN13445/129523 PED TEMA R API660	11.7/18.3
Yara NH3 Burners (2023/24)	2	110	SS/Ni alloy	40	Alloy steel Ni Alloy	SS/Alloy steel		EN13445/129523 PED ASMEVIII Div.1	12.0
Yara NH3 Burners (2023/24)	4	110	SS/Ni alloy	40	Alloy steel Ni Alloy	SS/Alloy steel		EN13445/129523 PED	12.0
Air Products Ammonia Converter Vessel (2023)	1	560	Alloy Steel	220	/	Alloy Steel		ASME VIII Div.II	230
Haldor Topsoe: Project Nakhodka Plant 2021/22	No.3 Methanol Reactors; Steam Superheater and Waste Heat Boiler.							EN/ASME	/
SAIPEM: Thai Oil Clean Fuel Project	No. 7 Separators, heavy wall THK (180-230mm) material Cr, Mo, V.							ASME VIII Div.II	/
PJV Project Pressure Vessels	25	Several types and weight	Several types and materials	Several types	/	Several types and materials		ASME VIII Div.I/II	/
C.F Industries (US) UREA Reactors	2	176	SA 765 IV + SA240 310 MoLN	118	/	SA 765 IV + SA240 310 MoLN		ASME VIII Div.II	147
C.F Industries	1	410	SA 336 F11	154	N.A.	SA 336 F11 Cl3		ASME VIII DIV.2	134

(US) Ammonia Converter			Cl3					
TurkStream Project Gas Separator	6	110	SA 765 Gr. II	212	N.A.	SA 765 Gr. II	ASME VIII DIV.2	282
C.F Industries (US) BFW Preheaters	3	115	SA 516 Gr.70	80	SA213 T1	SA 336 F11 Cl3	ASME VIII Div.1 TEMA R	154/203
C.F Industries (US) Ammonia Converter	1	425	SA 336 F11 Cl3	154	N.A.	SA 336 F11 Cl3	ASME VIII DIV.2	250
SABIC Ammonia Converter	1	220	20MnMoNi4- 5	81	N.A.	20MnMoNi4-5	AD 2000 MerkBlatter	185
SAIPEM Gasification Reactor	10	215	SA 387 Gr.22 Cl 2	95/120	N.A.	SA 336 F22 Cl3	ASME VIII DIV.2	145
Hargrove Chevron Pascagoula Chevron Refinery	1	800	SA 336 F 22 V+ w.o. tp 347 (8mm)	176	N.A.	SA336M F22 V w.o. tp 347	ASME VIII DIV.2	162
CHS Laurel Montana Reactors Hydro treaters	4	500	SA 336 F 22 V+ w.o. tp 347	121	N.A.	SA336M F22 V w.o. tp 347	ASME VIII DIV.2	121
KBR LPH Hot High Pressure Separator (HRCC TAIF)	2	1100	SA 336 F 22 V+ w.o. tp 347 (Refractory+ Shroud SS)	263	N.A.	SA336M F22 V w.o. tp 347	ASME VIII DIV.2	325
JGC RPLC DEEP CONVERSION (PDVSA- Venezuela) -Hydroconversion Reactors-	4	//	SA 336 F 22 V+ w.o. tp 347 (Refractory + Shroud SS)	//	N. A.	SA336M F22 V w.o. tp 347	ASME VIII DIV.2	//
JGC RPLC DEEP CONVERSION (PDVSA- Venezuela) -HPHT Separator -	2	//	SA 336 F 22 V+ w.o. tp 347 (Refractory + Shroud SS)	//	N. A.	SA336M F22 V w.o. tp 347	ASME VIII DIV.2	//
JGC (Olefins plants project) -H. Exchanger-	9	37	SA516GR70 SA204GR A	57	SA209T1	SA105 SA336F1	ASME VIII DIV.1	123
JGC (Olefins plants project) -P. Vessel-	10	27	SA516M GR.485	40	N.A.	SA105 SA266GR.2	ASME VIII DIV.1	122
	1	60	SA516GR70	15+18	N.A.	SA105 SA266GR.2		4
	1	1,1	SA516GR70	15	N.A.	SA105		15
JACOBS (Pergen Project) HP and MP Steam	2	3,7	SA182F22CL	48	N.A.	SA182F22CL1	ASME VIII DIV.1	256
	4	1,4	SA240316L	10	N.A.	A336-F316		30

Headers								45
HYUNDAI (KNPC NEW ETHANE RECOVERY PLANT PROJECT) -Vessels	2	4,2	SA240 GR.316	7	N.A.	SA182F316	ASME VIII DIV.1	13
	3	0,5	SA240 GR.316	6	N.A.	SA182F316		1
FLUOR U.S. (Conoco/Phillips Rodeo California) -Hydrocracker Reactor-	1	568	SA 542M Tp D Cl 4a + w.o. tp 347	210	N.A.	SA336M F22 V w.o. tp 347	ASME VIII DIV.2	169
	1	419	SA 542M Tp D Cl 4a + w.o. tp 347	210	N.A.	SA336M F22 V w.o. tp 347	ASME VIII DIV.2	169
	1	488	SA 542M Tp D Cl 4a + w.o. tp 347	210	N.A.	SA336M F22 V w.o. tp 347	ASME VIII DIV.2	169
FLUOR U.S. (Kuwait New Refinery) -Upflow Reactor-	4	784	SA 336 F 22 V+ w.o. tp 347	290	N.A.	SA336M F22 V w.o. tp 347	ASME VIII DIV.2	193
FLUOR U.S. (Kuwait New Refinery) -Hot high pressure Separator-	6	277	SA 336 F 22 V+ w.o. tp 347	229	N.A.	SA336M F22 V w.o. tp 347	ASME VIII DIV.2	169
FLUOR U.K. (GBARAN UBIE) -Dehydration inlet separator-	2	38	EN 10028-3 P355 NL1+ w.o. tp 316L	78	N.A.	EN 10222-4 P355 QH + w.o. tp 316L	PD 5500 and DEP 31.22.10.32	105
FLUOR U.K. (GBARAN UBIE) -Glycol scrubber -	2	1,6	EN 10028-3 P355 NL1+ w.o. tp 316L	49	N.A.	EN 10222-4 P355 QH + w.o. tp 316L	PD 5500 and DEP 31.22.10.32	105
FLUOR U.K. (GBARAN UBIE) -Glycol contactor -	2	120	EN 10028-3 P355 NL1+ w.o. tp 316L	100	N.A.	SA 182 F 316L	PD 5500 and DEP 31.22.10.32	137
FLUOR U.S. (TOTAL Petrochemicals) -HDS Reactor-	1	770	SA 542M Tp D Cl 4a + w.o. tp 347	145	N.A.	SA336M F22 V w.o. tp 347	ASME VIII DIV.2	96
Shaw Stone & Webster (Project: ExxonMobil SPT, Jurong Island Singapore) -BFW Pre-heaters-	2	6400	A516-70	40	A210-A1	A266-2, A105	TEMA R	147
GE Oil & Gas Zubair GAS Project, Phase II -Separators-	2	4,8	A 516 Gr. 70N	12	N.A.	A 105	ASME VIII DIV.1	137
	30	4,8	A 516 Gr. 70N	12-25	N.A.	A 350 LF2	ASME VIII DIV.1	36
	12	2,6-19	A 516 Gr. 70N	10-28	N.A.	A 350 LF2	ASME VIII DIV.1	15
	2	19,4	A 516 Gr.	15	N.A.	A 350 LF2	ASME VIII DIV.1	13

			70N					
	4	4,3	A 240 Tp 304	25	N.A.	A 182 F304L	ASME VIII DIV.1	60
	2	28,6	A 516 Gr 70 + A 240 Tp 304	41+3	N.A.	A 350 LF2 A 182 F304L	ASME VIII DIV.1	60
	4	6	A 516 Gr 70 + A 240 Tp 304	23+3	N.A.	A 350 LF2 A 182 F304L	ASME VIII DIV.1	60

BOILER

Customer	Qty	Materials	Type	Code	bar
FLUOR U.K. (Saudi Kayan) - Boilers-	2	SA516GR70 SA106B;SA210 A1 SA335P11;SA335P22	Boiler Type MRD	ASME I	120
Stone & Webster Int. (Singapore Parallel Train) ExxonMobil	2	SA516GR70 SA106B;SA210 A1 SA335P11;SA335P22	Boiler Type MRD	ASME I	118
FLUOR U.K. (Yambu S. Arabia) -VHP Boiler-	5	SA516GR70 SA106B;SA210 A1 SA335P11;SA335P22	Boiler type D	ASME I	120
JGC/RASGAS (USGC Ethylene Project)	1	SA516GR70 SA106B;SA210 A1 SA335P11	Boiler type M	ASME I	80

VALVES

Customer	Qty	Dimen sions	Material	Type	Code
JGC	72	4'+34'	CF8M;WC6;WC4	Gate valves Swing check valves Globe valves	API 598 API 600
TECHNIP	30	6'+20'	WCB		
IPM	55	4'+16'	CT8C,WCB,CF3M		
ENEL	180	4'+24'	CF8M;WC6;WC4		
ENEL	160	4'+32'	CF8M;WC6;WC4		
TECHNIP	6	36'	A350 LF2	Trunnion Ball valves	
BP/ Worley Parsons	1557	1/2'+20'	C.S/S.S./SDSS/Alloy Steel (Cr)	Ball, Globe, Gate, Piston, Wafer, Monoflange	API 598; API 600/1/2/7/8 ; API6A
Hyundai/RasGas	30	15'	Code AISI 4130 60K	Choke Valves	API6A
Technip/NPCC	190	2'+6'	CF8M;WCB;B146	Globe, Gate, check	API 598; API 600/1/2/7/8
PAC/JKC	110	2'+24	WCB, LCC	Globe, Check	API 598; API 600/1/2/7/8
HYUNDAI RasGas Barzan offshore	30	24	AISI 4130 60K	Choke Valve	API 6A

project						
STRUCTURAL STEELWORK						
Customer	Qty/ton	Dimensions	Material	Type	Code	///
S.P.S./SHALL Pearl GTL project	520	400+2000 (Ø mm)	CARBON STEEL	TUBULAR PIPES	AWS D1.1/M 2002	///
AkerKvaerner Houston	480	400+2200 (Ø mm)	CARBON STEEL	TUBULAR PIPES	AWS D1.1/M 2002	///
Snamprogetti QAPCO (QATAR)	1330	Various	CARBON STEEL	GALVANIZED STEEL STRUCTURES AND PIPE RACK	EN	///
C.B.&I. GRAIN LNG PHASE III 154260	800	Ø 609 x 30 Thk mm	API 5L-X70	STRUCTURES STEEL AND PIPE RACK	API code 5L -X70 last ed. ASME B36.10M and ASME B16.25.	///
FLUOR U.S.	250	Ø 14'+30'	EFW PIPE A358- 304/304L CL1	PROCESS PIPES	EFW PIPE A358- 304/304L CL1	///
BECHTEL U.S. (Project: New Doha international Airport, Qatar)	23000	Various	CARBON STEEL	PORTAL DOOR FRAME ; COLUMNS ; HORIZONTAL BEAMS/TRUSSES ; BRACINGS ;	AWS D1.1	///
GE Oil & Gas	53	Various	CARBON STEEL	BASEPLATE FOR MOTOCOMPRESSOR	GE Spécifications	///
CASTING and FORGING						
Customer	Qty/ton	Dimensions/ Weight (tons)	Material	Type	Code	///
Qatar Energy LND	9	/	ASTM A352 LCC	Body Valve 36" class 900	ASME VIII Div.1 API 6D	/
EBARA PUMP UPPER CASING	1	70Ton	ASTM A890M Grade 5A	PUMP	/	/
AkerKvaerner Sabic Y.Yambu Project	1	2200X 2000 (mm)	CARBON STEEL	DISCHARGE SCROLL	/	/
Ansaldo Energia	1	1800X 2800 (mm)	CARBON STEEL	HP-INNER CASING	/	/
Ansaldo Energia	1	1400 X 2000 (mm)	CARBON STEEL	STEAM TURBINE	/	/
GE Oil & Gas	13	1400 x 2000x 50 mm	SA 352 LF2	HP-INNER CASING	/	/
Daewoo	4	40 #900	A 352 LCC	GATE VALVE	/	/
GE Oil & Gas	4	800x1500x100 Thk	SA 352 LF2	CASING	/	/

AllSeas Engineering B.V	138	VARIOUS DIMENSIONS	NORSOK M123 GR. 460	FORGED X-HOUSING AND Y- RACK SUSPENSION PLATES	NORSOK M123 GR. 460	/
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Following is the list of Projects for which I worked as a Job Coordinator on behalf of Mangiarotti S.p.A.

PRESSURE VESSEL, COLUMNS, REACTORS, DRUMS								
Customer	Qty	Weight (tons)	Plate material	Plate thk	Tube material	Forgings material	Code	bar
F.W.I.C. (THAILAND)	1	51	A387-11-2 + 304L CLAD A387-11-2, A516-60N + B424- UNSN08825 CLAD	19/35 +3	N.A.	A105N, A105N + INCOLOY 825 WD, A182-F11-2- + E308L WD	ASME VIII DIV.1	38
IPM/CHIYODA	1	31	SA387-11-2 + 410S	48 +3	N.A.	SA182-F11-3 + 309L	ASME VIII DIV.1	45
STATOIL	1	228	BS150-224- 490-LT50	38/48	N.A.	BS1503-224- 490-LT50	BS5500	38
TECHNIPETROL	1	140	SA387-11-2 + 410S, SA387-11-2, SA516-70	25/36	N.A.	SA182-F11 + 410S, SA182-F11 SA105, SA187-F5	ASME VIII DIV.1	5
PARSONS (USA)	1	55	SA537 CL1 N	23/34	N.A.	SA350-LF2	ASME VIII DIV.1	24
TECHNIP (France)	1	100	SA508-3- CL.1	187	N.A.	SA508-3 CL.1	ASME VIII DIV.2	441
SAMSUNG (KOREA)	3	132	P355GH EN100282 + CLAD X2 CrNiMo 17.13.2 DIN 17440 (SS316L)	21 + 3.2	N.A.	C22.8 DIN 17243	AD MERKBLATTER	15
P. UPJOHN (IT)	2	1	HASTELLOY C-276	6	N.A.	/	ISPESL	/
ENICHEM (IT)	1	30	P460NH	63	N.A.	A350-LF2	ISPESL	138
METHANOL CASALE (CH)	1	280	SA336-F11-3	113	N.A.	SA336-F11-3	ASME VIII DIV.2 Russian Norms	120
M.W. KELLOGG (UK)	2	149	BS 1501-224- 490-LT20 + CLAD 316L	16/21 + 3	N.A.	A182-F316L, A350-LF2 + WD 316	PD5500	3.5
M.W. KELLOGG (UK)	2	147	BS1501-224- 490-LT50	21/32	N.A.	A350-LF2	PD5500	3.5
M.W. KELLOGG (UK)	2	252	BS1501-304 S31	24/52	N.A.	A182F304, A336-F304	PD5500	21

M.W. KELLOGG (UK)	2	83	BS1501-224-490-LT20	12/29	N.A.	A350-LF2	PD5500	8
F.W. (SPAIN)	1	30	SA387-11-2 + SSTP321 WD	60 + 3.5	N.A.	SA182-F11 CL.2 + SS TP347 WD SA182-F321	ASME VIII DIV.1	77
SHELL AND TUBE HEAT EXCHANGERS								
Customer	Qty	Weight (tons)	Plate material	Plate thk	Tube material	Forgings material	Code	bar
Esso (Thailand)	1	37	A516 -70	53	A213-T5	A182 F5 + INCONEL	ASME VIII Div 1, TEMA R	50
	2	97	A387-11-2 + 304L CLAD	30+3	A213-304L	A182-F5 + WD309L/308		41,9
	1	7	A387-11-2 +	13 + 3	A789-S32750	A182-F5		38.7
TECNIPETROL (ITALY)	2	59	A266-2	69, 78	A210-A1	A266-2, A105	AS1210 TEMA R	219
	1	51	A336-F11-3	65	A213-T11	A336-F11-3		219
	4	48	A516-60	10/23	A210-A1	A266-2, A105		219
BP CHEMICAL	1	44	BS1501-224-490A-LT20	15	BS3606-320-CFS	BS1503-224-490-LT40	BS 5500 + TEMA R	43
	8	109	BS1501-224-490A-LT20	12/24	BS3606-LWCF316L-11-1	BS1503-224-490-LT20 + 316L WD		43
TOYO	1	391	SA240-304L	54/62	SA249-TP304L	SA182-F304L	ASME VIII DIV.1 TEMA R	25.2
LINDE IMPIANTI	1	1.6	SA516-60	10	SA213 TP321	SA182-F321	ASME VIII DIV.1 TEMA R	18
	1	0.5	SA106-B	10	SA179	SA266-2		40
	5	38	SA203-D	12/31	SA334-3	SA350-LF3		24/75
	1	3.8	SA204-A	15	SA209-T1	SA182-F11		47
	1	23.9	SA240-321	20	SA213/249-TP304	SA182-F321		40
	8	413	SA302-B	51	SA213-T1	SA182-F11-2		92
	1	0.3	SA321-304L	9	SA213-TP304	SA182-F304L		36
	1	13	SA516-70	20	SA179	SA266-2		24
	2	287	SA516-70	39	SA179	SA266-2		40
	2	6.6	SA516-70	12/14	SA213/249	SA266-2		8
M.W.KELLOGG	2	53	SA537-1	18/25	SA334-1	SA350-LF2	BS5500	40/46
	1	33	A516-60	26	A213-TP304	A182-F304L		23
LURGI	1	5	BS1501-224-490B-LT30	18	BS3606-CFS-320	BS1503-304-S31	TEMA R	66
	2	21	SA336-F22-3 + SS347 WD	36/54	SA249-TP321	SA336-F321	ASME VIII DIV.1 TEMA R	183
1	8.2	SA516-70 + SA387-22-2 + SS347 WD	21/39	SB163 UNSNO8825	SA336-F22-3 + SS347 WD	159		
F.W. IBERIA	4	64.8	SA387-11-2 +	30 + 3	SA213-321	SA182-F321	ASME VIII DIV.1	90

			SS410S				TEMA R	
	1	5.4	SA516-70N	24	SA213-321	SA182-F11-2 + SS347 WD		91
PFD	2	15	SA516-70	20	SA179	SA266-2	ASME VIII DIV.1 TEMA R	20
	2	32	A516-70 + 316 CLAD	16+3	A213-TP316L	A266-2N + WD 316L		33
	2	22	A516-70 + 316 CLAD	14+3	A213-TP316L	A266-2N + WD 316L		25
	2	22	A516-70 + 316 CLAD	14+3	A213-TP316L	A266-2N + WD 316L		25.2
	1	15	SA240-304L	14/18	SA249- TP304L	SA182- F304L		33
	2	22	SA516-70	18	SA179	SA266-2		12
M.W. Kellogg (UK)	2	10	SA516-60	10	SA213 TP321	SA182-F321	ASME VIII DIV.1 TEMA R	
	1	12	A240-304L	11	A213-TP316L	A182-F304L		10
	1	21	A240-304L	34	A334 GR1	A182 F304L		23
	1	45	A516-60	26	A213 TP304L	A765 II 304L		20
	1	55	A516-60	15	A249 TP304L	A765 II 304L		60
	3	206	A516-60	16-47	A334 GR1	A765 II		20
	1	41	A240 304	13	A213 304	A182 F304		60
1	118.5	A240-304	19	A334 GR1	A182 F304	60		
SNAMPROGETTI	3	48	A516-70	30	A213-TP304L	A266-2N + 304L	TEMA R VSR	67
	2	44	A516-70	23	A213 TP316L	A266-2N + 316		24
	2	42	A516-70	20+3	A213 TP316	A266-2N		43
	1	12	A516-70 + 316L	23 +3	A213 TP316	A266-2N 316L		70
CHIYODA	3	145	SA387 11 2	49-54	SA213 T11	SA 182 F11	ASME VIII DIV.1	90
	2	202	SA387 11 2	58	SA213 TP304L	SA182 F11 2		90

Ferdinando Moretti



"autorizzo il trattamento dei dati personali contenuti nel mio C.V. ai sensi dell'art. 13 del D.Lgs. 196/2003 e del GDPR 679/16"