Ferdinando Moretti
Welding Inspector

International Welding Technologist -IWT No. 080048A-
Level II NDT UNI EN 473/PED 97-23-CE
Coating Inspector Level A -INAC No. 239-

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**
Yara Heat Exchangers	8	50/80	CS/SS/Ti	15/30	SS/Ti	CS/SS	EN/ASME/TEMA	10/120
Yara NH3 Burners	4	110	SS/Ni alloy	40	Alloy steel Ni Alloy	SS/Alloy steel	EN13445/129523 PED	12.0
Air Products Ammonia Converter Vessel	1	560	Alloy Steel	220	/	Alloy Steel	ASME VIII Div.II	230
Haldor Topsoe: Project Nakhodka Plant	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 (US) Ammonia Converter	1	410	SA 336 F11 Cl3	154	N.A.	SA 336 F11 Cl3	ASME VIII DIV.2	134
TurkStreem 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

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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 Headers	2	3,7	SA182F22CL 1	48	N.A	SA182F22CL1	ASME VIII DIV.1	256
	4	1,4	SA240316L	10	N.A	A336-F316		30
	2	1,1	SA516GR70	13	N.A	SA105		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
	2	38	EN 10028-3	78	N.A.	EN 10222-4	PD 5500 and DEP	105

FLUOR U.K. (GBARAN UBIE) -Dehydration inlet separator-			P355 NL1+ w.o. tp 316L			P355 QH + w.o. tp 316L	31.22.10.32	
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. 70N	15	N.A.	A 350 LF2	ASME VIII DIV.1	13
	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	Dimensions	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 project	30	24	AISI 4130 60K	Choke Valve	API 6A

STRUCTURAL STEELWORK

Customer	Qty/ ton	Dimensions	Material	Type	Code	///
S.P.S./SHALL Pearl GTL project	520	400÷2000 (Ø mm)	CARBON STEEL	TUBOLAR PIPES	AWS D1.1/M 2002	///
AkerKvaerner Houston	480	400÷2200 (Ø mm)	CARBON STEEL	TUBOLAR 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**	///
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	/

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
	1	55	SA537 CL1 N	23/34	N.A.	SA350-LF2	ASME VIII DIV.1	24

PARSONS (USA)								
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
								41,9
	2	97	A387-11-2 + 304L CLAD	30+3	A213-304L	A182-F5 + WD309L/308		38.7
	1	7	A387-11-2 +	13 + 3	A789-S32750	A182-F5		
TECNIPETROL (ITALY)	2	59	A266-2	69, 78	A210-A1	A266-2, A105	AS1210 TEMA R	219
								219
	1	51	A336-F11-3	65	A213-T11	A336-F11-3		219
	4	48	A516-60	10/23	A210-A1	A266-2, A105		
BP CHEMICAL	1	44	BS1501-224-490A-LT20	15	BS3606-320-CFS	BS1503-224-490-LT40	BS 5500 +	43

							TEMA R	
	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
								92
	8	413	SA302-B	51	SA213-T1	SA182-F11-2		36
	1	0.3	SA321-304L	9	SA213-TP304	SA182-F304L		24
	1	13	SA516-70	20	SA179	SA266-2		40
								8
	2	287	SA516-70	39	SA179	SA266-2		40/46
	2	6.6	SA516-70	12/14	SA213/249	SA266-2		
	2	53	SA537-1	18/25	SA334-1	SA350-LF2		
M.W.KELLOGG	1	33	A516-60	26	A213-TP304	A182-F304L	BS5500	23
	1	5	BS1501-224-490B-LT30	18	BS3606-CFS-320	BS1503-304-S31	TEMA R	66
LURGI	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 + SS410S	30 +3	SA213-321	SA182-F321	ASME VIII DIV.1 TEMA R	90
	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
								25
	2	22	A516-70 + 316 CLAD	14+3	A213-TP316L	A266-2N + WD 316L		25.2
								33
	1	15	SA240-304L	14/18	SA249-TP304L	SA182-F304L		12
	2	22	SA516-70	18	SA179	SA266-2		
	2	10	SA516-60	10	SA213 TP321	SA182-F321		
M.W. Kellogg (UK)	1	12	A240-304L	11	A213-TP316L	A182-F304L	ASME VIII DIV.1 TEMA R	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
								24
	2	44	A516-70	23	A213 TP316L	A266-2N + 316		43
								70

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	2	42	A516-70	20+3	A213 TP316	A266-2N		
	1	12	A516-70 + 316L	23 +3	A213 TP316	A266-2N 316L		
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"