

LIST OF MAJOR EXPERIENCE FOR ONGOING & COMPLETED PROJECTS

MANUFACTURER NAME	<i>GRANDE MECCANICA S.p.A</i>	REACTORS
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* Scope of order: S= Supply, E= Engineering, M= Manufacturing, I= Installation

OUR JOB	PROJECT TITLE	CLIENT NAME / END USER	No. Order	SCOPE OF WORKS/SPECIFICATIONS	YEAR OF SUPPLY	ROLE IN SUPPLY *
05150	HDPE 120KT/Y SALAVAT, RUSSIAN FEDERATION	Tecnimont S.p.A. / SNOS	80008138	No. 3 C.S. Reactors Dimensions: Φ x L thk 3300 x 9900 x 25/27 Tot. Weight: 130.000 kg	2006	S-E-M
06050	LDPE PETRO RABIGH PLANT - SAUDI ARABIA	Tecnimont S.p.A. / PetroRabigh	93200017	No.3 C.S. Reactors Dimensions: Φ x L thk 4400 x 13600 x 32 Tot. Weight: 270.800 kg	2006	S-E-M
07010	350 KT/Y LDPE BOREALIS STENUNGSUND, SWEDEN	Tecnimont S.p.A. / Borealis	93200017	No.1 C.S. Reactor Blow Down Vessel Dimensions: Φ x L thk 3100 / 800 x 41250 x 54 / 20 Tot. Weight: 78.000 kg	2007	S-E-M
07080	OG-1 PLANT WESSELING, GERMANY - PE SPHERILENE	Basell Polyolefins	4501174697	No.1 C.S.Gas Phase Reactor Dimensions: Φ x L thk 3500 / 6000 x 24150 x 22/ 36/ 45/ 50/ 55/ 59 Tot. Weight: 169.000 kg	2007	S-E-M
07100	GDANSK REFINERY RESIDUE UPGRADE PROJ. (PKRT LOTOS) - GDANSK POLAND	Technip - KTI / GRUPA LOTOS SA	30590/A/0003	No. 3 S.S./C.S Claus Reactors Dimensions: Φ x L thk 3200 x 8800 x 12/15 3000 x 6100 x 14 Tot. Weight: 60.000 kg	2007	S-E-M
08110	NYNASHAM REFINERY NHN 2020 HG4 - SWEDEN	KTI Roma /AB Nynas Petroleum	30596/A/0010	No. 3 C.S. Reactors Dimensions: Φ x L x thk 2700 x 3305 x 36 1200 x 2530 x 19 a/b 2000 x 2920 x 27 Tot. Weight: 34.000 kg.	2008	S-E-M
08170	ISOMERISATION & NHT UNIT - INA SISAK REFINERY - CROATIA	INA SISAK Refinery	12688-PO-186	No. 3 C.S. Isomerization Reactors Dimensions: Φ x L thk 1800 x 9800 x 33 a/b 1200 x 3400 x 19+3 Tot. Weight: 46.050 kg.	2009	S-E-M

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09170	10.000 BSPD UOP PENEX-DIH UNIT - BAGHDAD IRAQ	STP Roma / Midland Refinery Co. Daura Refinery	606	No. 8 C.S. Reactors 800 x 5100 x 16 1400 x 6700 x 17 2800 x 8400 x 31 2100 x 12100 x 36 Tot. Weight: 123.400 kg.	2009	S-E-M
10010	PROPANE DEHYDROGENATION POLYPROPYLENE PROJECT - TOBOLSK - TYUMEN OBLAST – RUSSIAN FEDERATION	Tecnimont S.p.A. / Tobolsk Polymer LLC (JSC SIBUR Holding)	7500013335	No. 2 C.S.Reactors Effluent Driers Dimensions: Φ x L x thk 6400 x 8200 x 57/30 Tot weight: 280.710 kg	2011	S-E-M
10090	NYNASHAMN REFINERY SR3 & TG1 - NYNASHAMN REFINERY - SWEDEN	Tecnimont KT / AB Nynas Petroleum	30647 / A0002	1st & 2nd C.S.Claus Reactors Dimensions: Φ x L thk 2000 x 6100 x 16 No. 1 C.S. Hydrogenation Reactor 1800 x 3000 x 12 Tot. Weight: 17.400kg	2011	S-E-M
12050	ETILENO XXI PROJ. 300 Kt/y LDPE PLANT - BRASKEM - INDESA SAPI - COATZACOALCOS - MEXICO	Tecnimont S.p.A. / BRASKEM INDESA SAPI	7500035571	No. 1 CS. LP. Product Separator Dimensions: Φ x L thk 3500 x 4600 x 21 Tot. Weight: 37.056kg	11-ago-13	S-E-M
12080	SABIC HDPE PILOT PLANT - AL JUBAIL - KSA	Tecnimont KT / SABIC	7500036442	No. 5 S.S. Reactors Dimensions: Φ x L thk 550 x 800 x 10 700 x 2400 x 7 Tot. Weight: 5.800kg	2013	S-E-M
12100	ETILENO XXI PROJECT BRASKEM IDESA SAPIHDPE PLANT - COATZACOALCOS - MEXICO	Tecnimont S.p.A. / Braskem Indesa S.A.P.I.	BI-ETILENO-0184 /12	N°1 C.S. Reactor Blow Down Vessel Dimensions: Φ x L thk 3100 x 8000 x 62/70 Vent Pipe 800 x 30000 x 21/30 Tot. Weight: 99.600 kg	2013	S-E-M

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16030	COMBINED OIL REFINING UNIT (CORU) – MOSCOW – RUSSIAN FEDERATION	Tecnimont S.p.A. / Gazprom	7500053442	No. 3 LTCS+SS316L Cladded Reactors Dimensions: Φ x L x thk (weight) 2600x6400x55+3 (3800kg) 250-V-254 1800x8100x76+3 (40000kg) 250-V-305 2400x5800x46+5 (33000kg) 250-V-306 N°1 L.T.C.S. Reactor Dimensions: Φ x L x thk (weight) 140 x 2800 x 62 Tot. Weight: 15.000 kg	2016	S-E-M
16090	PP/PE/UT SOHAR (OM) EPC - LIWA PLASTIC INDUSTRIES COMPLEX Project - ORPIC SULTANATE OF OMAN	Tecnimont S.p.A. / ORPIC LLC	7500057298	No.1 C.S.Gas Phase Reactor Dimensions: Φ x L thk 3.200 x 13.000 x 28 Tot. Weight: 55.000 kg	05/08/2017	S-E-M