

## List of Projects - GCC countries, UK and others

#	Project Detail	Client	Year	Current Status
1	Fabrication drawing for Analyser Shelter - ARAMCO	Mannai Technical Services	2009	Completed
2	MUK-Heat Exchanger process and mechanical design	Manrochem Ltd. Huddersfield	2010	Completed
3	Pre-bid for Gas Gathering Centre	Isa Mannai Technical Services P.O.Box No.8864, Dammam 31492, KSA	2010	Completed
4	Engg. Services for IBN ZAHR GC Upgrade Project-Utility Steam Tapping from Existing line	SAUDI EUROPEAN PETROCHEMICAL CO (IBN ZAHR) P.O.BOX 10330-HADINAT Al-Jubali, Al-sinalyah 31961, saudi Arabia.	2010	Completed
5	Deputation of Engineering Personnel	IMTS	2010	Completed
6	Compressor Station-Maaden Smelter Project	IMTS	2010	Completed
7	Steam lines - Hammering study	SCADO	2010	Completed
8	Engineering Support Services for Pre - Screening Study to SIPCHEM for Acetic Acid Derivatives Project	Frost & Sullivan, Dubai	2010	Completed

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9	EPC for Upgradation of Fire & Gas Detection & Suppression System for large critical machines (34 Nos.) at MAA Refinery, KNPC	KNPC thru ABJ Engineering	2008/2009	Completed
10	Basic Engineering (Off-plot) - Design Engineering support -KOC- EPF-120 MBOPD	Kuwait Oil Company, Kuwait (Through Processes Unlimited Intl. Inc.) USA	2008	Completed
11	Engg. Services for Stress Analysis of 18"/16"-Ethylene Vapour Pipeline	SAUDI CONSULTING & DESIGN OFFICE SADAT Tower P.O.Box 2017 Al-Khobar 31952	2008	Completed
12	Basic Engineering (On-plot) - Design Engineering support -KOC- EPF-120 MBOPD	Kuwait Oil Company, Kuwait (Through Processes Unlimited Intl. Inc.) USA	2008	Completed
13	Detailed Engineering (On-plot)- Design & Drafting support -Kuwat EPF-120 MBOPD	Kuwait Oil Company, Kuwait (Through Processes Unlimited Intl. Inc.) USA	2008	Completed
14	Manway Design Calculations and pipe stress analysis for ORPC Sohar-Oman	Simon Engineering Partners LLC P.O.Box 1695 Postal Code 130, CPO Seeb Sultanate of Oman	2009	Completed

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15	FEED support for Conversion of Non-piggable Lines to Piggable lines for Fuel Lines & Services for Kuwait Oil company	Kharafi National KSC P.B.No.24081, Safat 13101	2009	Completed
16	Pre-bid engineering support - KOC - EPF-150 MBOPD	Kuwait Oil Company, Kuwait (Through Processes Unlimited Intl. Inc.) USA	2009	Completed
17	Project Support-Procurement Assistance Engineering for Jubail Export Refinery - Pipelines Package	Gulf Consolidated Contractors Co. Ltd. P.O.Box 895, Dammam 31421, KSA	2010	Completed
18	Techno Economic Feasibility Study including Engineering Estimates for a Caustic Soda and Chlorinate Paraffin Wax project	KLJ Organics, Qatar thru Frost & Sullivan 210, Star Building EIB-4, Dubai Internet City, P.O.Box 502395, Dubai	2010	Completed
19	Engineering Support-Qurrah Open Cycle Power Plant, IBN Zahr, Air Liquide	Isa Mannai Technical Services P.O.Box No.8864, Dammam 31492, KSA	2010	Completed
20	Techno Economic Feasibility Study including Engineering Estimates for a Caustic Soda project	Oman Chlorine, Muscat thru Frost & Sullivan 210, Star Building EIB-4, Dubai Internet City, P.O.Box 502395, Dubai	2010	Completed
21	Due Diligence Report-Chemanol	Frost & Sullivan, Dubai	2010	Completed
22	Engineering services for Analyser Shelter	Isa Mannai Technical Services P.O.Box No.8864, Dammam 31492, KSA	2010	Completed

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23	Heat Exchanger Design Engineering	Manrochem Ltd. Huddersfield	2010	Completed
24	Engineering services-Structural Design for control rooms using STAAD	COMPUTER System Protection Chambers & Integrated Communications Co. Ltd (CPIC ) PO Box 8864 Dammam, 31492, KSA	2011	Completed
25	Project Management services - Supply of Containerised Control Rooms	Tatweer Petroleum, Bahrain Through Processes Unlimited Intl. Inc. USA	2011	Completed
26	Detailed engineering services for Chiyoda and Khatlan analyser shelters for Aramco projects	COMPUTER System Protection Chambers & Integrated Communications Co. Ltd (CPIC ) PO Box 8864 Dammam, 31492, KSA	2011	Completed
27	Engineering deputation for Compressor Station-Maaden Smelter Project	COMPUTER System Protection Chambers & Integrated Communications Co. Ltd (CPIC ) PO Box 8864 Dammam, 31492, KSA	2011	Completed
28	Prebid Engg. Support for EPF at Iraq	Petro Process Systems Pvt. Ltd 72, Loyang Way, Singapore	2011	Completed
29	FEED-Condensate Hammering study	SAUDI CONSULTING & DESIGN OFFICE SADAT Tower P.O.Box 2017 Al-Khobar 31952	2011	Completed

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#	Project Detail	Client	Year	Current Status
30	Process engineering, HAZOP studies and main reactor fabrication drawing for Phthallic anhydride melt tank and handling system	Portasilo Ltd. UK thru Marochem Ltd. UK	2012	Completed
31	Detailed engineering services for Instrumentation and electrical engineering for Analyser Shelters	Isa Mannai Technical Services P.O.Box No.8864, Dammam 31492, KSA	2012	Completed
32	Techno Economic Feasibility Study and preparation of Project Report for an Instant Tea Project	Leading Food ingredient MNC in UK through Manrochem Limited, UK	2012	Completed
33	Detailed engineering for mechanical projects inside MAB refinery, KNPC	KNPC through Kharafi National	2013	Completed
34	Basic Engineering Package-Project CADET-Instant Tea Project	Leading Food ingredient MNC in UK through Manrochem Limited, UK	2013	Completed
35	SEKO-Engineering Support-Takreer Project	SEKO Middle East FZE, Sharjah, UAE P.O.Box.42090 Hamriyah free zone Phase-11	2014	Completed
36	SEKO-SKID-Structural Design	SEKO Middle East FZE, Sharjah, UAE P.O.Box.42090 Hamriyah free zone Phase-11	2014	Completed

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#	Project Detail	Client	Year	Current Status
37	Technical support for Detailed Feasibility Report preparation for a PP Woven sacks manufacturing plant at Saudi Arabia	Frost & Sullivan, Dubai	2015	Completed
38	STAAD Pro Analysis - Analyser Shelters	COMPUTER System Protection Chambers & Integrated Communications Co. Ltd (CPIC ) PO Box 8864 Dammam, 31492, KSA	2015	Master Services agreement contract
39	Design and Detailed Engineering of side stream filter for new cooling tower at Unit - 56 in Mina Abdullah Refinery at KNPC	Kharafi National KSC P.B.No.24081, Safat 13101	2016	Completed
40	Design, Detailed engineering and procurement support for Potassium Chloride project at Oman	Gulf Potash LLC, Muscat, Oman	2017	Completed
41	Incinerator feasibility study using Aspen Plus	TCI sanmar Chemicals SAE, Egypt	2018	Completed
42	Detailed engineering and simulation studies for plant change request at VCM/PVC complex	TCI sanmar Chemicals SAE, Egypt	2018	Completed
43	Technical study and report on Carbon dioxide emission control and PAT cycle analysis	EcoLubes Inc., USA	2019	Completed

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44	Capex Estimate for a Blending Plant in KSA	Manrochem Ltd. Huddersfield	2019	Completed
45	Scrubber design support for a Sulfur dioxide based chemical complex	Manrochem Ltd. Huddersfield	2019	Completed
46	Debottlenecking of VCM-3 plant at Egypt - Procurement support	TCI sanmar Chemicals SAE, Egypt	2020	Ongoing
47	HTRI study for heat exchangers	TCI sanmar Chemicals SAE, Egypt	2020	Completed
48	Front end engineering for a Liquid Calcium Chloride project	TCI sanmar Chemicals SAE, Egypt	2021	Completed
49	Detailed engineering for Debottlenecking of VCM-2 and VCM-3 plants	TCI sanmar Chemicals SAE, Egypt	2021	Ongoing
50	Detailed engineering for 225 KTA Liquid calcium chloride project	TCI sanmar Chemicals SAE, Egypt	2021	Ongoing