



**OPTIMUM ENGINEERING SERVICES**  
**PRESSURE VESSELS DESIGN PROJECTS LIST**

<b>S. No.</b>	<b>Client</b>	<b>Description</b>
1	Premier Group of Companies (PGC)	Mechanical Design and detailed engineering of 6 Nos. Columns based on technology provided by Interis, France including Civil Foundation Design for 65 KLPD Ethanol (ENA) Distillation Unit At Chashma Ethanol Site.
2	Gul Ahmed Textile Mills Ltd.	Design & preparation of detailed fabrication drawings for natural gas storage vessels.
3	Ain Engineering Services (AES)	Mechanical Design and detailed engineering of 14 Nos. Pressure Vessels including Fatigue Analysis of Mole Sieve Drier Bed Vessels for Natural Gas Dehydration Project of ENERFLEX, Canada.
4	Orient Energy Systems (Private) Ltd.	Design and preparation of fabrication drawings of 50 KL Horizontal HSD Bulk Storage Tank.
5	Lotte Chemical Pakistan Ltd.	Flexibility Analysis of Reactor (D1-301) Drain Line.
6	BASF Pakistan (Pvt.) Limited	Installation of AFA Agitator on Reactor R-207
7	Lotte Chemical Pakistan Ltd.	Design Vetting of Filter Housing Fil1
8	Pakistan Refinery Limited.	Installation Of 108-FN Vessel (LPG Vapourizer) and associated Civil, Piping and Instrumentation Works.
9	Descon Engineering Services and Technology (Pvt) Limited (formerly Descon Integrated Projects (Pvt) Limited)	Mechanical Design Calculations for 2 Nos. AES Type Heat Exchangers (PD TAR & DA Oil Exchangers) of M/s. National Refinery Ltd. (NRL).
10	Descon Engineering Services and Technology (Pvt) Limited (formerly Descon Integrated Projects (Pvt) Limited)	Mechanical Design and preparation of Detailed fabrication Drawings of Pressure Vessels (Quench Scrubber, Accumulator & Bottom Stripper) of M/s. Engro Polymer & Chemicals Ltd.
11	Asia Engineers	Mechanical Design and preparation of detailed fabrication drawings for the 52 MT & 42 MT Kettles (Kettles # 4 & 2) for M/s. P&G.
12	Pakistan Refinery Limited.	Design Calculations & Study for 101-E Column Support.
13	Pakistan Refinery Limited.	Design verification of LPG Vessels 602-F & 603-E
14	Descon Engineering Services and Technology (Pvt) Limited (formerly Descon Integrated Projects (Pvt) Limited)	Modification of Existing LPG Reflux Drum 101-V15 of M/s. National Refinery Ltd.
15	Lotte Chemical Pakistan Ltd.	Design of Foundation for Exchanger E1-725.
16	Pakistan Refinery Limited.	Technical Study / Design Calculations for sizing of main furnace stack 102-B anchor bolts.
17	Orient Energy Systems (Private) Ltd.	Design and Preparation of Detailed Fabrication Drawings for Multimedia Filter.



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18	HubPak Salt Refinery	Design of Tanks, Silo, Steel Structure and Civil Works for BPS Expansion Project.
19	Gulf Heavy Industries Co., Saudi Arabia.	Basic Design & Preparation of MTO For Bladder Vessel Surge Protection System for The Umm Wu'al Phosphate Project.
20	Gulf Heavy Industries Co., Saudi Arabia.	Basic Design & Preparation Of MTO For Low Pressure Storage Tanks of SABIC.
21	Gulf Heavy Industries Co., Saudi Arabia.	Basic Design & Preparation Of MTO For Above Ground LPG Tanks For Gasco.