



**OPTIMUM ENGINEERING SERVICES**  
**FIRE FIGHTING SYSTEM DESIGN PROJECTS LIST**

<b>S. No.</b>	<b>Client</b>	<b>Description</b>
1	IIW - Industrial Engineers & Contractors	Design and Consultancy (Fire Gap Analysis) for Upgradation of Firefighting System, Construction of Fire water tank, pump house and allied works at PSO Faqirabad Depot.
2	Al-Qasim Construction (Pvt.) Ltd.	Upgradation of Firefighting System at PSO Habibabad Depot including FW Tank & Associated Works.
3	IIW - Industrial Engineers & Contractors	Design & Consultancy Services for Fire Gap Analysis and Upgradation of Fire Fighting System at PSO Daulatpur Installation.
4	Joint Engineering Services	Consultancy Services for upgradation of Fire Fighting System at PSO Kamari Terminal-A and Terminal-C.
5	Flow Petroleum Private Limited	Misc. Engineering Design Works at Daulatpur Depot including Product Loading/ Decanting System, Tanks (incl. foundations), Piping and Fire Fighting System.
6	Kasapreko Company Ltd.	Detailed Engineering Services for Rectification Plant Firefighting System (at Ghana).
7	The Fuelers (Pvt.) Ltd.	Design Of Product & Fire Water / Foam Piping For New PMG Tank at Sahiwal Bulk Oil Depot
8	Futehally Chemicals (Pvt.) Ltd. (Unilever Pakistan)	Detailed Engineering Services for Installation Of FW Hydrant and Sprinklers at New Tower Area, Futehally Chemicals Plant.
9	Total Parco Pakistan Ltd.	Modifications in Fire Fighting System at Rawalpindi Terminal
10	Be Energy Ltd.	Design of Lubricants Drums Storage Warehouse at PQ Terminal-1, based on PEB Structure complete with all Civil, Electrical Works and Fire Alarm System.
11	Attock Refinery Limited.	Design of Cooling Water System for Crude Oil Tank No. TK-4A.
12	Total Parco Pakistan Ltd.	Design of Fire Fighting System for Lube Oil Blending Plant at Port Qasim.
13	Lotte Chemical Pakistan Ltd.	Fire Risk Assessment and Hydrant Study for Anaerobic Reactor.
14	Total Parco Pakistan Ltd.	Upgradation of Fire Fighting System at Rawalpindi Terminal
15	Pakistan State Oil Company Limited	Detailed Engineering Services for Upgradation of Fire Fighting System at Zulfiqarabad Oil Terminal
16	Pakistan State Oil Company Limited	Engineering Consultancy Services for Improvement of Fire Fighting System at PSO Kundian Depot. Job includes Fire Risk assessment by Heat Radiation Modelling.
17	Total Parco Pakistan Ltd.	Design of 10,000 cu.m Mogas Tank, Mogas Receipt Pipeline from PARCO, FW Tank, Fire Fighting System, Product Loading / Decanting Systems and associated Civil, Mechanical and E&I Works.



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18	Pakistan Refinery Limited.	Heat Flux Modelling & Installation of water sprinklers on LPG Weathering Unit vessels.
19	Pakistan Refinery Limited.	Analysis for laying of GRE Firewater line at warehouse/ office building and in front of lab/ block-2. Stress Analysis, preparation of piping layout & details, supports & thrust block details.
20	Fossil Energy (Pvt.) Ltd. / IIW Industrial Engineers & Contractors	Design Engineering Services For Development of Oil Terminal at Mehmoodkot, including Basic Design, Fire Fighting System, Civil/Structural Works and Mechanical/Piping Works.
21	Al-Rahim Trading Company (Pvt.) Ltd.	Fire Gap Analysis for Alhamd Bulk Storage Terminal at Keamari.
22	Total Parco Pakistan Ltd. (Formerly Chevron Pakistan Ltd).	Design of Repair / Modification Works in Tank No. 06 at Rawalpindi Terminal including Fire Water System, Civil & Instrumentation Works.
23	Total Parco Pakistan Ltd. (Formerly Chevron Pakistan Ltd).	Design of Repair / Modification Works in Tank No. 07 at Machike Terminal including Fire Water & Foam Systems, Civil & Instrumentation Works.
24	Chevron Pakistan Ltd.	Study for Fire Fighting Network at Shikarpur Terminal.
25	Technomen Kinetics Pvt. Ltd,	Design of Transformer Foundation & Fire wall as per NFPA 850, for Sindh Nooriabad Power Company (Pvt.) Ltd.
26	Fauji Oil Terminal & Distribution Company Ltd.	Reproduction and modifications of P&IDs for the Fire Fighting and Product Unloading Systems at FOTCO Jetty.
27	Unicol Ltd.	Design Of Fire Fighting System For Fuel Ethanol Plant At Mirpurkhas.
28	Industrial Development & Engineering Associates (IDEA)	Design Vetting Of Fire Monitor Tower Structure at Engro LNG Terminal.