

Hatton Group Development & Construction (HDC)



As an engineering and consulting firm, HDC offers a complete range of technical services on civil engineering, water works, sewage treatment plants and environmental remediations. Our services include master plan, feasibility study, consulting services, planning, basic design, detailed design, construction, supervision and related training for civil engineering, water works (dams, hydroelectric power, thermal power, etc), environmental remediation (oil spills, decontamination, etc) and sewage projects. With project experiences and utilizing its accumulated technological know-how, HDC is committed to completing projects economically and with maximum safety in the industry.

Hatton Group Development and Construction (HDC) capabilities, in partnerships with major China (PowerChina, etc) Korean (Posco, etc) and U.S. (Shaw, etc) construction companies, are:

1. Civil Engineering, Water Works and Sewage Treatment Plants

As an engineering and consulting firm, HDC offers a complete range of technical services on civil engineering, environmental remediation, and sewage treatment plants. Our services include master plan, feasibility study, consulting services, planning, basic design, detailed design, construction, supervision and related training for civil engineering, water works, environmental clean up and sewage projects. With project experiences and utilizing its accumulated technological know-how, HDC is committed to projects economically and with maximum safety in the field of civil engineering. Example of projects in Civil Works are : **Road & Highways, Bridges, Dams and Hydroelectric Powers, Environmental Remediations, Sewage, Railways & Subways.** HDC also provide **Disaster Relief services around the world.**

2. Process Plants

HDC has experience in engineering oil & gas production, gas processing, LNG facilities, offshore facilities, oil refinery, petrochemical, fertilizer & chemicals plant, and oil terminal & distribution facilities. Our services in process plant cover feasibility study, basic and detailed design, procurement of equipment and material, construction and overall project management.

3. Oil Refinery

HDC's services include a full range of services based on the following background :
Experience covering crude distillation, vacuum distillation, reforming, catalytic cracking, hydro processing, isomerization, delayed coking, sulfur recovery, lube oil and hydrogen unit
Experience with most refinery unit licensors with in-house expertise for open art unit design. Green field and brown field unit design as well as revamp

4. Petrochemical

HDC's experiences in the field of petrochemicals cover the design and construction projects ranging from naphtha cracking to its downstream units.

5. Oil Terminal & Distribution HDC has obtained its reputation through a wide range of oil terminal and distribution projects worldwide.

6. Power & Energy HDC provides a full range of services in power and energy field that include funding from China EXIM bank, feasibility study, basic and detailed design, procurement of equipment and materials, construction & supervision, start-up and project management on a turnkey basis. HDC has accumulated in-house technology and rich project experience in thermal power plants, combined cycle power plants, cogeneration power plants, diesel engine power plants, hydropower plants, geothermal power plants, nuclear power plants and transmission, substation & distribution systems.

7. Thermal Power Plant HDC has a lot of experience records in the field of thermal power plants. The company has been involved in various power plants with optimization of system and equipment design for firing natural gas, oil and coals and has established itself as the leading engineering company of thermal power plants at home and abroad. HD C has successfully rendered a full range of engineering services for the following major projects for its affiliated companies to complete the turnkey projects meeting the reasonable cost, timely completion and high operating availability :

8. Combined Cycle Power Plant HDC has successfully completed combined cycle power plant projects of various capacity up to 2,000MW. With extensive experience records and accumulated know-how in technology & management, HDC offers its expertise not only in a full range of engineering and supervision services, but also in project implementation on a turnkey basis.

9. Diesel Engine Power Plant HDC is also focusing on the diesel engine power plants and gas engine power plants. HDC expertise includes large-scale power

plants on a turnkey basis using the diesel engines.

10. Hydropower Plan

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HDC has been involved in the development of numerous hydroelectric power projects and has accumulated technical experiences in various types of water resource development techniques.

11. Transmission, Substation & DistributionHDC has implemented many substation and transmission projects under the turnkey basis, and also carried out the consulting services for expansion and rehabilitation of existing transmission & substation system and construction. Based on the abundant technologies and experiences, HDC has developed computerized optimum design system, which enables to analyze and calculate the minimum power loss and maximum reliability of the power system involved. Now we can provide the complete consulting services up to the 500kV class transmission & substation system.

12. Training and Support Services

HDC has implemented many training programs for engineering, software, and technical courses in multiple languages.

Please contact Hatton's project manager at: jlau@hattongrp.com

for more information.□