



A member of Continental Holdings

HDEC Corporation



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Our three core businesses

We are dedicated to the pursuit of a balanced environment, employing our expertise in environmental engineering to develop natural, sanitary and sustainable facilities and works. HDEC Corporation's core business is environmental project development, focusing especially on water treatment, waste treatment & renewable energy, and piping engineering. Going forward, we will continue to innovate and refine diversified environmental engineering services.



Water Treatment



Waste Treatment and Renewable Energy



Piping Engineering

Water treatment is one of HDEC's core businesses includes sewerage systems, domestic water, waste water, desalination, wastewater reclamation engineering and operation. The second is waste treatment and renewable energy development. To achieve this, HDEC leverages its extensive experience in anaerobic digestion technology and operation of water treatment plants. Accordingly, HDEC utilizes strategic alliances to contribute to waste treatment and renewable energy development. Having inherited from renowned Continental Engineering Corporation's environmental engineering technology and project management skills, HDEC expanded into the emerging environmental engineering market, demonstrating its vast capabilities in feasibility study, engineering, procurement, construction as well as operation and maintenance.

HDEC has comprehensive experience in implementing and participating in significant Infrastructure projects through which public-private-partnership was promoted, including domestic water treatment turnkey projects, sewerage system BOT project and wastewater reclamation BTO projects. In recent years, HDEC has been more active in waste processing and participated in incineration plant BOT projects. At present, HDEC's subsidiaries include North Shore Corporation, HDEC Construction Corporation, Blue Whale Corporation, HDEC (Puding) Environment Corporation, CTCI-HDEC (Chungli) Corporation, HDEC-CTCI (Linhai) Corporation, HDEC (Ciaotou) Water Treatment Corporation, and HDEC (Chengxi) Energy Corporation - demonstrating a wealth and depth of service scopes, business investment, and development capabilities.

In terms of EPC project management, HDEC provides total solution service, such as conducting feasibility studies, turnkey planning and design, procurement and installation of mechanical and electrical equipment, plant construction, piping engineering and system function commissioning. In terms of operation and maintenance management, HDEC has standardized operation procedures and technology-anchored system for repair & maintenance. It operates in accordance with the ISO management system. Through the Plan-Do-Check-Act (PDCA) quality management system and KPI evaluation, we continue to improve operational efficiency. In addition, as a leader in the industry, HDEC has actively introduced cutting-edge technologies related to green building, energy-saving high-efficiency treatment and waste reuse, carbon reduction, waste reduction and resource recycling. At the same time, HDEC seeks to educate local residents as to why these sustainable operations are beneficial to their communities.



Water Treatment

Conserve water by returning it to nature

Municipal Wastewater

HDEC provides clients with the most efficient wastewater treatment plans coupled with advanced equipment to achieve stable long-term operation, energy saving, carbon and waste reduction, ensuring national standards for environmental and ecosystem protection are met.

Iconic Projects

- The first sewerage system BOT project in Taiwan: New Taipei City Tamsui Area Sewerage System BOT Project
- Taoyuan Chungli Area Sewerage System BOT Project
- Taoyuan Puding Area Sewerage System BOT Project

Industrial Wastewater

HDEC offers industrial clients the comprehensive wastewater treatment services. We are capable of solving the challenges involved with the goal of zero industrial wastewater discharge, including planning and construction of collection pipeline systems and high-level treatment systems to solve high-concentration wastewater.

Iconic Projects

- Modernized zero-discharge wastewater treatment demonstration plant: Tongluo Science Park Wastewater Treatment Plant Phase II Project - "Functional Improvement of Conductivity Treatment Facilities" Turnkey project

Domestic Water Treatment

HDEC provides professional, high-quality water treatment total solutions, including feasibility study, construction, commissioning, operation and maintenance.

Iconic Projects

- Baoshan Water Treatment Plant Phase III Expansion
- The largest water treatment plant in Yilan County: Chinchu Water Treatment Plant (WTP) EPC Project

Desalination

Feasibility study, procurement, construction and operation services are available for highly energy-efficient desalination system projects.

SDGs



New Taipei City Tamsui Area Sewerage System BOT Project



Tongluo Science Park Wastewater Treatment Plant Phase II Project - "Functional Improvement of Conductivity Treatment Facilities" Turnkey project



Chinchu Water Treatment Plant (WTP) EPC Project

Wastewater reclamation

In response to potential water shortage caused by climate change, we provide integrated technologies for industrial reclamation water resources and technical services for the recycling and reuse of water from our wastewater treatment plants to reduce such risks. Additionally, biogas produced throughout wastewater treatment process can be converted into energy.

Iconic Projects

- The first BTO (Build-Transfer-Operate) project to facilitate public sewage recycling in Taiwan: Kaohsiung Fengshan River Wastewater Reclamation Plant BTO Project
- Kaohsiung Linhai Wastewater Treatment Plant and Reclaimed Water BTO Project
- Tainan Anping Wastewater Reclamation Plant Turnkey Project
- Kaohsiung Ciaotou Wastewater Reclamation Plant BTO Project



Kaohsiung Fengshan River Wastewater Reclamation Plant BTO Project



Kaohsiung Linhai Wastewater Treatment Plant and Reclaimed Water BTO Project



Waste Treatment and Renewable Energy

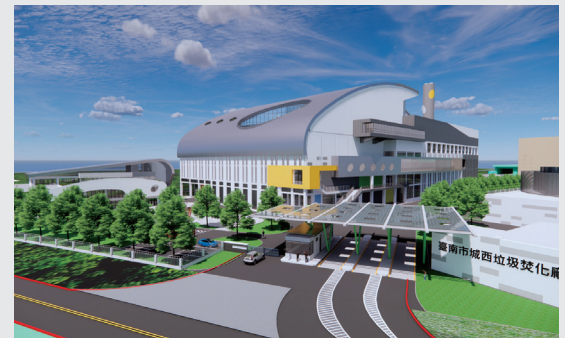
From waste to energy

HDEC devises integrated planning for the construction of waste treatment plants including transportation of waste, mechanical biological treatment (MBT) systems, thermal treatment systems, flue gas treatment systems, fly ash treatment and power generation systems with a full range of EPC and operation services. By utilizing high-efficiency anaerobic digestion and electricity-generating technology, we convert waste into energy.

Iconic Projects

- Tainan Chengxi Incineration Plant BOT Project
- Anaerobic Sludge Digestion for New Taipei City Tamsui Area Sewerage System Project
- Anaerobic Sludge Digestion for Kaohsiung Fengshan River Wastewater Reclamation Plant BTO Project

SDGs



Tainan Chengxi Incineration Plant BOT Project



Piping Engineering

Professional construction management for piping systems

We provide integrated pipeline planning and operations management. Basic or detailed pipeline design, pipe jacking and shield tunneling techniques, and system testing are all within our range of services.

Iconic Projects

- New Taipei City Tamsui Area Public Sewerage System Piping Engineering Project
- Hsinchu City Sewerage System Phase II Dongda Area Piping Engineering Project Section 1

SDGs



New Taipei City Tamsui Area Public Sewerage System Piping Project

HDEC's Subsidiaries

One-stop environmental engineering services with a diversified, flexible operating model

Complex, highly-technical environmental engineering projects can span decades from planning and construction to operation and maintenance. Since its establishment, HDEC Corporation has actively engaged in water treatment-related business and has accumulated broad expertise through the implementation of a number of sewerage system BOT projects. In recent years, HDEC has also worked with local governments on wastewater reclamation BTO projects, industrial wastewater engineering, procurement, construction (EPC) services, and incinerator BOT projects, establishing and expanding our professional capabilities considerably. HDEC has become a one-stop environmental engineering services company that provides tailored professional solutions with a diversified and flexible operation model.

Profiles of HDEC's Subsidiaries

HDEC Construction Corporation

HDEC Construction Corporation is a professional construction company established solely by HDEC Corporation. HDEC Construction chiefly engages in the management of relevant projects, including private investment projects and government-funded projects. HDEC Construction operates in the following business areas: wastewater treatment plant construction, sewage pipeline construction, household connection, and underground pipeline project construction.

HDEC (Puding) Environment Corporation

HDEC (Puding) Environment Corporation was established by HDEC Corporation, as a Special Purpose Company (SPC) in response to the Sewerage System BOT Project in Puding area, Taoyuan City.

North Shore Corporation

North Shore Corporation was established by HDEC Corporation as a SPC for the New Taipei City Tamsui Area Sewerage System BOT Project.

Blue Whale Corporation

Blue Whale Corporation is a joint venture SPC by HDEC Corporation and CTCL.

HDEC-CTCL (Linhai) Corporation

HDEC-CTCL (Linhai) Corporation is a joint venture SPC by HDEC Corporation and CTCL.

CTCL-HDEC (Chungli) Corporation

CTCL-HDEC (Chungli) Corporation is a joint venture SPC by HDEC Corporation and CTCL.

HDEC (Ciaotou) Water Treatment Corporation

HDEC (Ciaotou) Water Treatment Corporation was established by HDEC Corporation as a SPC for Kaohsiung Ciaotou Water Reclamation BTO Project.

HDEC (Chengxi) Energy Corporation

HDEC (Chengxi) Energy Corporation was established by HDEC Corporation as a SPC for Chengxi Incineration Plant BOT Project, Tainan City.

Environment and business thrive with sustainability

Building on the storied professionalism of Continental Engineering Corporation

HDEC Corporation was established in 2006 as a wholly-owned subsidiary of Continental Engineering Corp. (CEC). With the continued growth of our business, we have accumulated profound expertise and experience from wide ranging environmental engineering projects. We do realize the importance of balancing the development of industry with nature.

In July 2017, CEC divested and transferred all its shares in HDEC and the latter became wholly owned by Continental Holdings Corp. (CHC). In addition to inheriting the corporate values of "integrity, quality, discipline and innovation", HDEC embodies environmental engineering expertise and works to improve quality of life through forward thinking, technology innovation and dedication.

CHC's integrated resources make us more committed and reliable

HDEC has won trust and referrals from clients not only because our environmental engineering technology and experience lead the industry, but also because of the resources of the Group. HDEC is among the very few environmental project development companies capable of offering integrated services to clients.



CONTINENTAL 欣陸投控
HOLDINGS CORPORATION

Continental Holdings Corporation (CHC)

CHC has an investment portfolio covering three business sectors: Construction Engineering, Real Estate Development, and Environmental Project Development & Water Treatment businesses. Its main subsidiaries include CEC, Continental Development Corp. (CDC), HDEC, and Continental Consulting Limited Company (CCLC). CHC's primary role is to guide the strategic direction for the Group and provide governance frameworks for its subsidiaries. By synergizing and managing resources efficiently, CHC provides a stable financial foundation and enables each subsidiary to maximize its strength and expand its growth.



大陸工程公司
CONTINENTAL
ENGINEERING CORP

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Continental Engineering Corporation (CEC)

CEC is a leading construction and engineering company in Taiwan. Since 1945, CEC has engaged in infrastructure construction and engineering projects that span military installations, factories, highways, tunnels, bridges, the mass-rapid transit system, and the Taiwan High Speed Rail – one of the world's largest BOT projects. In addition to infrastructure construction, CEC has completed many important public and private-sector projects, including residential buildings, hospitals, hotels, commercial and office buildings, multi-functional complexes, university complexes, and educational facilities, with operating experiences in Taiwan, Hong Kong, Macau, Malaysia, and India.



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Continental 大陸建設
Development Corporation

Continental Development Corporation (CDC)

CDC has its roots in the property development business of CEC. CDC is a premium property developer specializing in the residential, commercial, hotel, and community sectors. CDC's business strategy centers on topping industry benchmarks by ensuring the highest quality and customer satisfaction. As a result, CDC proudly boasts a portfolio of landmark buildings throughout Taipei, New Taipei, Taichung and Kaohsiung. Today, the company also holds investments in Taiwan, Southeast Asia, and the United States.



CONTINENTAL 欣陸管理顧問
CONSULTING LIMITED COMPANY

Continental Consulting Limited Company (CCLC)

CCLC provides corporate services including General Affairs, Human Resources, Information Technology, Legal and Quality Management to CHC as well as three other member companies. CCLC professionals have solid expertise in the above mentioned areas, uphold the Group's core values and strive to serve with excellence and create maximum value.