

SINOTECH ENGINEERING SERVICES LTD.

Quality · Efficiency · Service · Innovation · Sustainability



Inheriting the legacy of Sinotech

Sinotech Engineering Services Ltd was established in December, 2008, as a spin-off company of the Sinotech Engineering Consultants Ltd. With further adjustment in the corporate business strategy in 2016, the Sinotech Engineering Services Ltd had inherited the majority of the Environmental Engineering Departments from Sinotech Engineering Consultants Ltd and repositioned itself as a multi-discipline environmental engineering consultant firm.

Our services cover almost all aspect of environmental engineering, including water supply and sanitation engineering, water pollution remediation, waste processing, environmental impact assessments, air pollution and noise prevention, soil and groundwater remediation, and hazardous substance management. In recent years we have also expanded our expertise into the field of waste recovery, resource and energy integration, water reclamation, carbon management, and climate change adaptation.

We have established ourselves as one of the largest, most experienced, and the most reputable environmental engineering consultant in the country. In the future, we will uphold our professionalism, quality, integrity, and innovativeness to continue to dedicate in environmental protection.



OUR BUSINESSES

■ Environmental Assessment and Planning Department I :

Conduct environmental impact assessment and environmental monitoring of major construction projects; assist in the prevention of haze, PM_{2.5}, and hazardous air pollutants.

■ Environmental Assessment and Planning Department II :

Combine health risk assessment and diversified remediation methods to revitalize polluted sites; provide life cycle management and on-site diagnosis of waste and hazardous substances.

■ Water Work Department :

Expand water resource reclamation and upgrade the smart operation and control of water supply and sewage systems; set up flexible disaster prevention and response system; apply the concept of carbon-emission reduction and climate change adaptation into public construction projects.

■ Energy and Resource Facilities Department :

Broaden energy and resource integration to achieve circular economy; introduce the next generation of waste heat treatment power generation technology, bio-fermentation green energy technology, and incineration residue recycling technology.



Sinotech Engineering Consultants Inc.

Sinotech Engineering Consultants Ltd.

Sinotech Engineering Consultants (Fujian) Ltd.

Sinotech Engineering Services Ltd.

Sinomac Engineering Consultants Ltd.

Sinotech Environmental Technology Ltd.

Changjiang Sinotech Engineering Consultants
(Pingtan) Ltd.

Sinotech Construction Corporation Ltd.

Myanmar Sinotech Engineering Ltd.

Sinotech Land Development Corporation Ltd.

PT Sinotech Engineering Indonesia

Hwashin Architects and Associates

The Sinotech Group

The drive for excellence has rewarded Sinotech with steady growth. In 1993, Sinotech Engineering Consultants Ltd began founding subsidiaries to expand its scope of professional services, including Sinotech Environmental Technology Ltd, Hwashin Architects and Associates, Sinotech Engineering Services Ltd, Sinotech Construction Corporation Ltd, and Sinotech Land Development Co Ltd. This gradual expansion strategy has strengthened both domestic and international competitiveness. Average annual revenue from 2006 to 2016 surpassed US\$100 million.

In 1973, Sinotech began exporting its services and has since completed more than 200 projects in Vietnam, the Philippines, Indonesia, the Dominican Republic, Saudi Arabia, and other locations across the globe. Advancing this trend, Sinotech opened offices in Fujian Province and Macau in mainland China, as well as Brunei, Myanmar, and Indonesia. An international presence facilitates direct access to clients and, more importantly, put Sinotech in a key position to understand local project requirements and make timely decisions.

International cooperation is an area in which Sinotech continues to grow. Collaboration enables Sinotech and its partners to share knowledge, learn from one another, and deliver optimal engineering solutions to clients.



Company Vision



Pursuit of Higher Standard

We adhere to the business philosophy of quality, efficiency, innovation, and perseverance. By providing high quality, customer-oriented, and flexible service to our clients, we strive to become the new industry standard.



Explore Global Market

Other than broadening our services in Taiwan, we also focus on bringing our technological advantages in environmental protection, disaster prevention, disaster mitigation, climate change adaptation, and sustainable planning into the international arena.



Consideration

Serving with intimacy, enthusiasm, vigilance, patience, and empathy, the reputation of high-quality service we earned thereof has deeply rooted in the hearts our clients.



Our vision is to bring brighter future and welcome more possibilities. We will provide better services, fulfilling innovation and efficiency, and working toward sustainable development.

In the name of Sinotech, we shall achieve a new horizon in engineering consultancy and technology.

Professionalism

We retain well-round engineers with capabilities in feasibility study, planning, design, and construction supervision to provide professional works in both engineering practice and project management.

Innovation

Having the most talented engineers with Ph.D. and master's degrees, we continuously research for better technologies and widely use professional software to provide innovative solutions in our projects.

Collaboration

Inheriting the professional lineage of the Sinotech Group, we work with academics and international experts. We aspire for the integration of science and environmental engineering to achieve sustainable development of both the economy and the environment.

Core Technologies

EXPERTISE

Environmental Quality Management and Impact Assessment

- Noise assessment and management
- Environmental quality modeling and impact assessment
- Climate-change adaptation
- Environmental quality investigation, monitoring, and information system
- Environmental policy analysis and think tank

Water Treatment Engineering and Water Pollution Management

- Tap water distribution and water purification system
- Sewer and waste water treatment system
- River and harbor pollution remediation
- Water reclamation and distribution system

Air Quality Management

- Indoor and ambient air quality management
- Investigation and control of hazardous air pollutants
- Construction life cycle carbon-emission management
- Greenhouse gases reduction and assessment
- Carbon neutral strategy counseling and planning

Waste Treatment and Energy and Resource Integration

- Advanced waste incineration and multi-purpose treatment facilities
- Urban mining and reuse of incineration bottom ash
- Hazardous and special industrial waste treatment
- Recycling of renewable fuels and biomass energy
- Waste treatment facility operation supervising service
- Regional energy and resource integration matchmaking
- Integration and application high efficiency and low-carbon waste transportation units

Management and Counseling of Waste and Hazardous Substances

- Management and counseling of domestic waste disposal and recycling
- Management and counseling of industrial waste removal and recycling
- Management and counseling of chemicals and hazardous substances
- Waste-to-energy promotion and inorganic pellets recycling

Soil and Groundwater Pollution Investigation and Remediation

- Investigation and turnkey remediation project of soil and groundwater pollution
- Ex-situ treatment of contaminated soil
- Supervision and verification of contaminated site remediation
- Health risk assessment and risk management decision making
- Soil quality inspection and brownfield redevelopment
- Persistent organic pollutants baseline investigation



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Environmental Assessment and Planning Department I

INTRODUCTION

The department actively cooperates with the feasibility study experts to participate in the environmental planning and assessment of major constructions. The core expertise of this department includes assessment models for air, water, noise, and soil pollution, as well as environmental monitoring during construction stages. Domestic and international work experiences include: power generation facilities, petrochemical plants, waste treatment facilities, hydro-engineering projects, transportation projects, and industrial park developments. The quality reputation of this Department has been evaluated by the Environmental Protection Agency as a Class A environmental assessment agency, and is listed in the international invitation vendors of the Macao Environmental Protection Agency with the British and American companies. The restoration of the Danshui River ecosystem over the past decade and the yearly revival of bats in the Huwei Park are excellent examples of our accomplishment in such projects.

We also provide the most comprehensive air pollution prevention services to our clients: from atmospheric dynamics, air pollution modeling, monitoring, and source identification, to hazardous pollutant analysis, emission reduction technology, air pollution fees, and emission cap control strategies. After 20 years of efforts, the ozone concentration in Taiwan was finally compliant with the standards and the concentrations of harmful pollutants such as Dioxins have also reduced by more than 90%. The Environmental Assessment and Planning Department I is honored therewith. Our clients include competent environmental protection authorities, the Institute of Transportation, the Industrial Development Bureau, and power, steel, and port companies. We are passionate in improving our environment and continuously contributing our professional skills to help our clients achieving their goals.





Environmental Impact Assessment of Feitsui Raw Water Pipelines Project



Environmental Impact Assessment of Taoyuan Exhibition Center Construction Project



Environmental Impact Assessment of the Phase III Expansion Project of the Macao Waste Incineration Center



Emission Investigation of Taichung Power Plant and Environmental Impact Assessment of the Newly Built Gas Power Generating Units

Environmental Assessment and Planning Department II

INTRODUCTION

The Environmental Assessment and Planning Department II focuses on soil and groundwater pollution investigation and remediation, waste management and counseling, and chemical and toxic substances management.

The department provide all-rounded professional technical services for soil and groundwater pollution, including policy planning, contaminated site assessment (Phase I & II), remediation project management, supervision, and verification, pollution source identification, optimizing remediation plan, health risk assessment, contaminated site redevelopment, illegal dumping site investigation and cleanup, and remediation turnkey projects. We have rich experience in investigation and remediation of various types of pollutants and assisted numerous contaminated sites to be delisted from the watch list.

In the field of waste management, we mainly assist government agencies to devise policies for waste reduction, cleanups, and recycling. To achieve the goal of circular economy, we also work on sustainable material management, waste-to-energy promotion, and inorganic pellet reuse application. We also assist private companies with market research of production and properties of waste generating sources, and treatment facilities feasibility study, design, and permit applications.

In the field of chemicals and toxics management, we provide counseling services on policy study, environmental hormone management, toxics-release-amount declaring system and implementation, and international cooperation affairs.



Yixin Gas Station Soil Pollution Remediation Turnkey Project



Waste Removal, Treatment, and Reuse Agency Management Project



Turnkey Project of Soil Pollution Remediation in Abandoned Factories

Water Work Department

INTRODUCTION



Improvement Construction of First Quick Filter Pool Equipment in Zhihtan Water Treatment Plant, Taipei City



Conceptual Design of Minsheng Water Resources Reclamation Center and Sewer Environmental Education Center



The Water Work Department undertakes engineering services such as evaluation, planning, design, supervision, and management of tap water distribution and purification system, sewers and wastewater treatment system, river and harbor pollution remediation, and reclaimed water treatment and distribution. In addition to continuously providing innovative treatment technologies, in response to environmental trends, we conduct policy analysis and think tank on carbon management, greenhouse gas reduction, and climate change adaptation.

Representative projects include:

Design of Phase III Wastewater Treatment Plant(WWTP) for Phase II Base of STSP; Design of Linhai WWTP BTO Project for Reclaimed Water; Management of Turnkey Project for Function Enhancement (conductivity) in Tonglu WWTP; Improvement Design of First Quick Filter Pool Equipment in Zhihtan Water Treatment Plant(WTP); Design and Supervision of Sanchong No. 2 Water Pumping Station; Consultant of Phase 5 Construction Project of Sewer, CPAMI; Establishment of Cloud Smart Management System of Sewer; Energy Consumption and Operation Lifetime Management of Sewage Treatment; Construction Planning of Taipei Minsheng Water Resource Reclaim Center (WRC) ; Water Pollution Control Fee Collection System; Management Plan of Prospective Water Environment Improvement; Planning of Localization of Inventory Statistics Parameters for National Environment and Carbon Reduction Strategy; Driving and Management of National Climate Change Adjustment Works; Driving of New Taipei City Greenhouse Gas Inventory and Control Implementation Project.



Study of Localization of Inventory Statistics Parameters in the Environmental Sector and Carbon Reduction Strategy Planning



Management of Turnkey Project for Function Enhancement of Conductivity Treatment Facility in Tonglu Wastewater Treatment Plant of Hsinchu Science Park

Energy and Resource Facilities Department

INTRODUCTION



Supervision and Management of Waste Incineration Plants' operation



The Energy and Resource Facilities Department has inherited the expertise and experience in solid waste processing and industry counseling from the parent company. For more than three decades, we provide quality services for the central government, local government, and private entities.

The department specialized in advanced waste incineration and multi-functional processing facilities, urban mining, reuse of incineration bottom ash, hazardous and special industrial waste treatment, bio-fuel application, operation supervision of waste treatment facilities, regional energy and resource integration matchmaking, and high-efficiency-low-carbon waste transportation units.

Having experts in environmental, chemical, mechanical, electrical, and civil engineering, energy and resource management, health, and safety, we are one of the most experienced professional advisory teams in the nation. With comprehensive experience and technical capabilities in waste cleaning, resource recovery, facility operation supervision, energy utilization, and energy and resource integration matchmaking, we continuously provide environmental sustainable solutions to our clients.



Taipei Port Resident Recreation
Area Waste Removal Project



Central Taiwan Waste Comprehensive Treatment Center



Conclusion ■■

Since 2016, Sinotech Engineering Services Ltd has evolved into a comprehensive environmental engineering consulting company. We have not only inherited the professional technical capabilities accumulated by our parent company, in recent years, we are also trying to develop in the field of construction, operation, and maintenance. Sinotech Engineering Services Ltd is now the largest, most experienced, and the most reputable environmental engineering consultant in Taiwan and also the most outstanding subsidiary of Sinotech Group.

We shall continue to develop under the principles of environmental protection and sustainable development. Internally, we shall deepen professionalism, perform innovative R&D with mutual assistance and cooperation; and externally, provide high-quality service, explore global market, and serve with integrity and responsibility to create a new horizon for the environmental engineering services.







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