



KC Cottrell

**Global Leader
in Green Technology**

- People & Technology keeping our planet sustainable...

KC Cottrell: Leading development of green technology for global environment and energy

Following its foundation in 1973 as a company specializing in air pollution control technologies, KC Cottrell has delivered numerous successful projects which have led them to become the leading environmental company and to be the most trusted by its clients. KC Cottrell has taken a leap into the global market and the new and renewable energy equipment supply business as a globally leading company.

TECHNOLOGIES FOR
A SUSTAINABLE FUTURE



HISTORY OF CHALLENGES
FOR THE FUTURE



The challenges of innovation and creation continue

The history of KC Cottrell is a history of challenge and innovation. Founded in 1973 and starting with the domestic Boryeong thermal dust collection systems, KC Cottrell has successfully executed the Dangjin thermal FGD project and other projects around the globe to gain the trust of consumers. The challenges for KC Cottrell, which has grown to become a prominent company as the 'leader of the global environment business,' continue today.



FOUNDATION

Nov 1973
Chairman Talwoo, Lee Founded Korea Cottrell Industrial Co Ltd (The first environmental company in Korea)

Sep 1979
Established Fabrication Workshop in Incheon

Nov 1990
Renamed to Korea Cottrell Co Ltd

Nov 1994
Listed the Korea Exchange as the first environment related company

Dec 1998
Relocated and Expanded Fabrication Workshop in Anseong (KCMS)

Mar 2009
Renamed to KC Cottrell Co Ltd

Jan 2010
Split with holding company (KC Greenholdings Co Ltd)

GEOGRAPHICAL DIVERSIFICATION

Oct 1990
Taiwan branch Foundation

June 2002
Changchun KC Envirotech Co Ltd (Changchun, China)

July 2004
Beijing Representative office

Mar 2005
Acquired Lodge Sturtevant and renamed Lodge Cottrell Ltd (Birmingham, UK)

June 2006
Lodge Cottrell Inc Foundation (Houston, USA, merged by Nol-Tec Systems Inc. in 2015)

Jan 2009
KC Cottrell Vietnam Co Ltd Foundation (Hanoi Vietnam)

KC Cottrell India Pvt Ltd Foundation (Delhi, India)

Aug 2010
Acquired Nol Tec Systems Inc (Minnesota, US)

Mar 2012
KC Cottrell Taiwan Co Ltd Foundation (Taipei, Taiwan)

July 2015
KC Energy Technology Co Ltd Foundation (Beijing, China)

Mar 2014
KC Africa Pty Ltd Foundation

GROWTH - DUST COLLECTION TO TOTAL SOLUTION PROVIDER

July 1983
Contract signed with Korea Electric Power Company for 500MW Boryeong Thermal Power Plant ESP (Electrostatic Precipitator)

Apr 1996
Contract signed with Korea Electric Power Corporation for 500MW Dangjin Thermal Power Plant FGD (Flue Gas Desulfurization) Project

July 1997
Contract signed with POSCO for Gwangyang Steel Works Blast Furnace ESP Project

June 2003
Contract signed with Korea East-West Power Co Ltd for Dangjin Thermal Power Station AHS (Ash Handling System) Project

May 2005
Contract signed with POSCO for Gwangyang Steel Works Sinter Plant FGCS (Flue Gas Cleaning System) Project

Aug 2011
Contract signed with KOSEP for Yeongheung thermal power plant (870MW x 2) No.5-6 FGD/ESP/LHS Project

Nov 2012 ~ Oct 2013
Contract signed with Korea Southern Power Co Ltd for SamCheok Green Power (1000MW x 2) ESP/AHS (One of the largest CFB Boilers in the world)

July 2017
Contract signed with Hyundai Rotem for Hyundai steel Dangjin Sinter Plant #1~3 FGCS Project

Sep 2018
Gangneung An-in Thermal Power Plant FGD Project

CHALLENGE - EXPANDING OVERSEAS

June 1992
Contract signed with Taiwan Power Company for Shenao Thermal Power Station ESP Project in Taiwan

Feb 1998
Contract signed with IHI (Ishikawajima-Harima Heavy Industry Co Ltd) for Nippon Steel Co Ltd Kamaisi Power Plant ESP Project in Japan

Jan 2009
Contract signed with Taiwan Power Company for Hsinta Power No.1~2 Retrofit of FGD, ESP, AHS PJT in Taiwan

Sep. 2010
Contract signed with Doosan Heavy Industry for Ghenco Power Plant AHS Project in Thailand

Feb. 2011
Awarding a contract for Gres1 Ekibastuz ESP Project in Kazakhstan

Sep. 2011
Awarding a contract for Krakatau Steel Making Plant Bag Filter Project in Indonesia

Jul. 2013
Contract signed with Hyundai heavy industry for Jeddah South Thermal Power Plant AHS Project in Saudi Arabia

Sep. 2015
Contract signed with Celikler Seyitomer Elektrik Uretim A.S. for FGD Project in Turkey

July 2016
Contract signed with OJSC Power Machine Ltd. for Long Phu 1 Thermal Power Plant ESP/FGD Project in Vietnam

Nov 2018
Contract signed with NTPC for DSI system in India

TAKEOFF - DIVERSIFYING INTO NEW AND RENEWABLE ENERGY AND NEW BUSINESS

Nov 2006
Contract signed with Korea South East Power Co Ltd for 1MW Youngheung Solar Power Station

July 2012
Contract signed with Renault Samsung Motors for 20MWp Solar Power System in Busan, Korea

Nov 2015
Contract signed with Changwon Enertech for Project of Industrial Waste treatment, Incineration, SRF Manufacturing, Steam supply and 2.75MW Power Plant

Apr 2018
Contract signed with Ngodwana Energy for EPC project of 25MW Biomass to Energy Plant in South Africa

From Oct 2018
Contract signed for RTO systems

From Dec 2018
Contract signed for EGCS (De-Sox system for marine engine)





TOTAL SOLUTION PROVIDER

The experts of an environmental system that offers the optimal solution



KC Cottrell has responded to the various demands of customers and has become a trusted environmental company. From the provision of flue gas cleaning systems to Korea's representative steel company, POSCO, KC Cottrell has grown to supply dust collecting and desulfurization equipment for large-scale power plants throughout the world and become recognised for its environmental protection expertise and know-how. As an example the company now provides solutions to various projects in Turkey and South Africa.

In addition to the supply of highly reliable and efficient dust collecting equipment with a customer-focussed plan to satisfy their demands, KC Cottrell has become recognised for its experience and expertise in various fields of the environmental industry including the new renewable energy field that offers clean energy which helps reduce global warming through innovative solutions. These range from the management of ash-handling systems, design and commissioning, offering a clean working environment at many power plants with an ash-handling (or gas-cleaning) system which has been certified for its superior performance and design to produce the optimal economic solution.

Air Quality Control Systems

> Particulate Removal System

- Dry Electrostatic Precipitator
- Wet Electrostatic Precipitator
- Bag Filter
- Ash Handling System
- Tunnel ESP
- Hybrid Module Type Precipitator

> Gas Treatment System

- Wet Flue Gas Desulfurization
- Semi Dry/GSA
- SCR/SNCR
- VOCs Control System
- Exhaust Gas Cleaning System (For Marine)

Retrofit & Maintenance

- Air Quality Control System Retrofit
- Technical Service
- Feasibility Study

Manufacturing Services

- Dampers
- Steel Work

New & Renewable Energy

- Solar Power System
- Biomass & Waste to Energy

KC Cottrell 

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GLOBAL LEADING TECHNOLOGIES
WITH LOCAL SERVICES AND SUPPORTS

**We guarantee world-class
technology and services through
KC networks worldwide.**

From the forefront of environmental preservation, KC Cottrell has pioneered the domestic environmental industry. Our company has over 30 affiliates in four business sectors: environmental engineering, environmental services, environmentally friendly manufacturing, and renewable energy.

Our goal is to achieve customer satisfaction with precise design and perfect construction. To this effect, we create synergy by efficiently sharing and spreading the technological, human and material resources possessed by each of our affiliates.

In addition, we also provide thorough risk management including safety management and project management combined with smooth collaboration.

To reciprocate our customers' trust, at KC Cottrell, we bring together the capabilities of environmental experts in each field to offer you excellent environmental facilities technology, services and systems.



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EXPANDING OUR
TERRITORY IN THE WORLD

Environmental Engineering

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- Changchun KC Envirotech Co Ltd
- KC Energy Technology Co Ltd
- KC Cottrell Taiwan Co Ltd
- KC Cottrell Vietnam Co Ltd
- KC Cottrell India Pvt Ltd
- KC Cottrell Engineering Services Pvt Ltd
- Lodge Cottrell Ltd
- KC Africa (Proprietary) Limited
- KC VCS Co Ltd
- KC Envirotech E&C(Fushun) Co Ltd
- NOL-TEC Systems Inc
- NOL-TEC Korea Co Ltd
- NOL-TEC Systems (China) Co Ltd
- KC Air Filtertech Co Ltd
- KC Thermal Co Ltd
- Yuyang Technologies Co Ltd
- NWL Pacific Co Ltd

Environmental Services

- KC EnviroServices Co Ltd
- Seoul Business Division
- Changwon Business Division
- Yeosu Business Division (Hwachi Factory)
- Changwon Enertech Co Ltd
- KC Green Material Co Ltd
- KC Landfill Service Co Ltd
- KC Enviro Construction Co Ltd
- KC Eco Logistics Co Ltd

Environmental Manufacturing

- KC Glass & Materials Co Ltd
- KC Envirotech E&C(Fushun) Co Ltd
- Clestra Hauserman SA

Renewable Energy

- KC Solar Energy Co Ltd



Expanding into the global market with quality and technical competitiveness

With the founding of the Taiwan Branch Office in 1990, KC Cottrell took its first step into the global market to operate 15 branch offices and corporations in Asia, North America, and Europe for efficient entry into the overseas market. KC Cottrell has constructed a global network to speedily respond to the demands of the global market by establishing CCKC Envirotech Co Ltd in Changchun, China in 2002 and acquiring Lodge Sturtevant Limited in the United Kingdom in 2005. KC Cottrell will continuously strive to offer total environmental solutions swiftly to customers throughout the world.



**Leading the evolution of technology
for global value and future happiness**

Our futures are guaranteed when we protect the environment and maintain the clean Earth.
KC Cottrell will focus its whole capacity on developing state of the art technologies
for environmental improvements for future generations.
KC Cottrell will help create a path of life that links nature with humanity
and a path of coexistence that links humanity with industry.

**GREEN TECHNOLOGIES,
GREENER PLANET**

