

THE  
HUNDREDNINTH K C

NEWS

LETTER

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# 1.

## KC Glass & Materials visited 2018 International Glass Expo in Germany

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2018 International Glass Expo (Glasstec 2018) was held from October 23 to October 26, 2018 at an international exhibition center, Dusseldorf, Germany. Glasstec 2018 is the largest glass expo held every two years. This was the 25th expo. In total 9 main exhibition halls, diverse glass products and manufacturing facilities were exhibited including bottle glass. Total 42,000 visited. KC Glass & Materials had an opportunity to figure out the international glass industry trend in the expo and acquired useful information for facility operation improvement. Kim Jeongwan, CEO, Oh Jayoung, managing director and Won Yonghak, head of manufacturing part participated in Glasstec 2018.

The key topics of Glasstec 2018 include Industry 4.0, thin plate glass, smart glass and special glass. Especially, KC Glass & Materials paid attention to Industry 4.0 technologies. Many vendors exhibited smart factory technologies and products in preparation to Industry 4.0 which attracted much attention from visitors. In particular, IQ Scan by Tiama, France, is an IT intelligent software, which is quite impressive as it can collect, analyze, monitor of each process data without replacement of existing facilities. And, Hot Inspection Machine presented by many vendors is to measure thickness, weight and temperature of molded glass bottle based on radiation heat before it enters into the frozen furnace, which enables the workers to figure out and take measures about the cause of defect. Since it can facilitate the improvement of productivity, it takes much attention by many in the bottle making industry.



KC Glass & Materials could expand out perspective on the changing and evolving glass market and strengthen the business network by figuring out the recent trends, technologies and products of the glass industry. Based on such information, KC Glass & Materials plans to shift its production system into Smart Factory proactively (The end).

## 2.

## KC Glass & Materials had 2018 Mutual Growth Conference

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“For mutual growth and mutual cooperation”

Without solid reliability and cooperation with partners, it was impossible that KC Glass & Materials could grow qualitatively and quantitatively as a strong small company in the bottle making industry since its foundation in 1971. In order to overcome the economy crisis with the emerging the 4th industrial revolution and to have differentiated competitiveness, it is absolutely necessary to solidify the partnership with partners. For this reason, KC Glass & Materials has hosted mutual growth conference more than once a year with main partners. This year, the conference was held in Anseong, Gyeonggi-do in November 09.

7 partners that supply raw materials and manufacturing facilities attended the conference. KC Glass & Materials gave sincere gratitude for their strong partnership and for stable supply of raw materials and manufacturing facilities. And, it analyzed the raw material supply and demand trend and price tend domestically and internationally and shared opinions for reinforcing partnership and mutual development.

KC Glass & Materials will continue to seek mutual growth plan and reasonable conflict resolution measures through conferences and also develop specialized support programs for the partners.

## 3.

## KC EnviroServices registered to general construction business

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KC EnviroServices registered the general construction license on November 12, which was promoted from the 1st half of 2018. The general construction license is classified into 5 including building construction, civil engineering, civil construction, landscape construction and industrial environment facility construction. KC Environmental Service has registered the building construction.

By new registration of general construction, KC EnviroServices can participate in joint contract in case if general construction is required in the partners and can also participate in single bidding to the major class 1 constructors and government bidding constructions. Therefore, it is expected to enlarge the scope of construction businesses and to achieve a huge sales growth (The end).

# 4.

## KC Cottrell held WAPC



KC Cottrell Korea held 2018 WAPC conference for 3 days from November 12. The WAPC conference is a large event held in every November in which partners in the environmental engineering division share the business performance of the year and the business strategy of the coming year together with networking between the corporations.

By accepting the suggestion for more efficient use of time, it reduced the strategic meeting and board of directors' meeting in one day in this year and focused more on the preparation in advance.

In particular, the technical session was impressive as it shared new businesses and new technologies. Lodge Cottrell introduced TCR(Thermo-Catalytic Reforming) and presented RECYCLING & MATERIAL RECOVERY Via Integrated Particle size reduction & Gasification. KC Cottrell Korea presented RTO, a new business and KC Cottrell India introduced "I" type dust collector, a new shape of dust collector.

Meanwhile, Todd Larson, who was inaugurated as a new CEO of Nol-Tec Systems in July, attended the conference for the first time. Sudip, B.S. Singh, Harinder from KC Cottrell India who visited Korea to promote I type dust collector also attended the conference.

Even though the market situation on environment business is difficult, we could feel struggles of overseas corporations that develop new business models. The conference was successfully finished with a promise to expand communication between overseas corporations and to strength joint sales strategies (The end).

# 5.

## KC Green Material had Samcheok Eco Dry Material Plant completion ceremony

The Completion Ceremony of Eco Dry Material Plant of Samcheok Eco Dry Material("SEM") was held on November 15. SEM is a special purpose corporation established in 2014 by joint investment of about 26.5 million won by KC Green Material, Korea Southern Power("KOSPO") and KB Securities("KBSEC"). KOSPO is responsible for the investment of cash in kind and fly ashes. KBSEC is in charge of investment of preferred share. And, KC Green Material, a green business specialized company as a subsidiary of KC Green Holdings operates the overall business management. KC Green Material which is commissioned for operation such as fly ash recycling technology supply, investment of cash in kind and business operation will jointly operate the Plant with KOSPO for next 30 years. SEM will operate the eco dry material plant in Samcheok Power Plant, a high efficient coal thermal power plant that applied the world largest circulating floating layer boiler. It has a capacity of producing 400,000 ton of various materials per annum such as concrete mixture, ascon filler, molding material and aggregate for furnace body by recycling fly ashes released from Samcheok Power Plant.

Eco Dry Material Plant of SEM takes huge attention from other power plants. About 8 million ton of fly ashes are released annually from domestic thermal power plant and many power plants are concerned about the disposal of fly ashes. The eco-friendly fly ash recycling technology using eco dry material plant of SEM will provide a new paradigm on the recycling of fly ashes. It can contribute to the national environment policy by using waste resources with recycled materials and it can achieve environmental protection and resource recycling.

This completion ceremony of the plant in SEM will be a momentum to contribute to local economy boost and recycling of domestic fly ashes (The end).



# 6.

## KC Cottrell had the 45th Anniversary ceremony

KC Cottrell held the 45th anniversary ceremony on November 26.

The event began with the award to employees with continual service including 10 years of service (Jeon Uisoon and 12 others), 15 years (Kim Kimo) and 20 years (Jeong Jaesun and 8 others) and 25 years (Lee



Taejun and 6 others) followed by the award to excellent employees in each business division and team.

It was followed by the commemorative addresses by Seo Dongyoung, CEO and Choi Gyeongbae, the convener of the labor union. Employees of KC Cottrell had a dinner together in the lounge commemorating 45th anniversary and sharing the willingness for promising future (The end).



# 7.

## KC Cottrell Vietnam had the 10th Anniversary ceremony

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KC Cottrell Vietnam held the 10th anniversary ceremony at Phu Quoc for 3 days from November 28, 2018. The liaison office of KC Cottrell Vietnam was open on January 1, 2007 and after 2 years of preparation, it was formally incorporated at 36 Pamheung, Hanoi. Since its establishment on November 28, 2008, together with KC partners, it has supplied environmental facilities to newly developed power plants in Vietnam such as Nyson, VN2, VN3, Mongjung2 and Hatin Power Plant, leading the environmental preservation in Vietnam.

From 2017 onward, besides existing air pollution prevention business, it added environmental service such as waste treatment and recycling as the purpose business and has promoted KC Xanh permission and license in Tangwenseong. For stable operation, they purchased the 23rd floor of MD Complex in Miding area in April 2018 and moved the office. In the 10th anniversary ceremony, they presented the appreciation plaque to Professor Ngoc, who helped the company as an advisor of KC Cottrell Vietnam since its establishment and Mu Huyme who served for 10 consecutive years from the period of the liaison office. In addition, they had diverse events to develop a sense of affiliation and team work and shared the passion and expectation for the next 10 years (The end).



# 8.

## KC Cottrell India had the 10th Anniversary ceremony

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Celebrating the 10th anniversary of the KC Cottrell India provides an appropriate occasion to reflect on the state of the arena and the role that every employee plays in it.

Management and employees gathered to celebrate the 10<sup>th</sup> anniversary on November 30, 2018 at their respective offices in Gurgaon and Kolkata. through video conference.

Managing Director of KC Cottrell India, Mr. Deoung Han addressed the gathering and CFO, Mr. Jinok Kim has presented the Congratulations Speech of Mr. Taeyoung Lee, President & CEO, KC Green Holdings. President Lee's speech and words resonated the sentiments of everyone present as they gave him a applause.

Managing Director, Han shared his feelings on the success of the 10<sup>th</sup> year completion. He congratulated everyone for being a part of this success. After his brief speech, a presentation about the next year's Biz Plan of the company was presented which geared all to move ahead jointly to achieve company's goal. The promise of a memorable day was well kept and closed the ceremony by cutting the cake followed by lunch at their respective offices in Gurgaon and Kolkata.

There has to be a zeal to achieve great heights of success. Over the past ten years, KC Cottrell India has gathered immense global recognition and growth through constant learning and innovations. For a company, to deal with changing environment and achieve set of goals, it is required to change and rejuvenate itself with the changing times and KC Cottrell India is all set to change now. (The End)

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Report to: Narae Yeo, KC Green Holdings Sustainable Management Team