A very successful and interesting

2015 China Nitrogen Fertilizer & Methanol Technology Conference

In order to promote the innovative and green development in Nitrogen Fertilizer and Methanol Industries and improve the industrial development, China Nitrogen Fertilizer Industry Association (CNFIA) did organize the “2015 China Nitrogen Fertilizer and Methanol Technology Conference” in Erdos City, Inner Mongolia, PR China during July 16-18, 2015.

Many technological achievements, innovations and developments in recent years, and the experiences in energy saving & emission reduction and product quality improvement were exchanged amongst the more than 250 participants from the Chinese nitrogen and methanol industry.
This made this conference very successful and interesting.
The innovations achieved in recent years in processes, equipment and materials in the coal gasification, gas purification, ammonia, methanol and urea plants were presented. Find in the appendix the complete program.

GREEN GRANULATION TECHNOLOGY presented the unique features and advantages of their Cold Recycle Granulation Process (CRG Process) and raised the importance of operating at the right process conditions in a urea fluid bed granulation to ensure a premium quality of the product.

HOFUNG TECHNOLOGY gave a historical retrospect of the Chinese urea granular production and future opportunities and challenges.

UreaKnowHow.com discussed the various critical urea product quality parameters and how to assure a premium product quality.

SCHOELLER-BLECKMANN NITEC from Austria presented their recent success stories being the partner of nitrogen fertilizer industry worldwide for delivery of critical equipment and providing of services.

And TUBACEX from Spain presented their Quality materials production for the Fertilizer Industry.
In order to promote the Chinese urea product quality worldwide, the Chinese Nitrogen Fertilizer Industry Association issued a <Recommended Granular Urea Quality Standard for Export to Outside China> during the conference. All participants agreed that the problems with Chinese urea quality in the past years were not caused by the technologies applied but by paying not sufficient attention to product quality parameters. Further all agreed that the Chinese Urea Industry should take action to change the mind-set from capacity to quality and produce better urea product and protect the brand and reputation of “Chinese Urea Product”. CNFIA will issue an “Industrial Standard for Exported Urea Product”, which will be stricter than the National Standard, with support of GREEN GRANULATION TECHNOLOGY.

The final two conference hours were “Round Table sessions on Granular Urea” and the issues on Urea granulation technological progress, granular urea product quality promotion and operational issues were discussed.

The conference concluded with a site visit the impressive urea production site of ChinaCoal Erdos Energy and Chemical Co., Ltd.
Appendix: Conference program

Introduction
- Li Yongwu, Chairman of the council of China Petroleum and Chemical Industry Union
- GuZhongqin, President of China Nitrogen Fertilizer Industry Association, President of Petroleum and Chemical Planning Institute

Coal gasification, Ammonia and Methanol
- Experiences of BGL gasification burner and zero release unit (ChinaCoal Erdos Energy & Chemical Co., Ltd.)
- Deepplowing natural alkalis, based on coal resource to realize recycling (Inner Mongolia Boyuan Holding Group Co., Ltd.)
- Technology measures and management experience of energy saving and emission reduction in ammonia and methanol plants (Shandong Hualu Hengsheng Chemical Co., Ltd.)
- Coal gasification nitrogen fertilizer enterprises’ competitive analysis and technology measure of innovation development and green development based on safe market situation (Jincheng Coal Industry Group Coal Chemical Bureau)
- Operation condition of YM burner 500 kpta methanol unit and technology economic analysis of 200 kpta methanol to oil unit (Yunnan Xianfeng Chemical Co., Ltd.)
- Construction and operation experience summary for 600 kpta synthesis unit of Yangmei Cangzhou Zhengyuan (Hebei Yangmei Zhengyuan Chemical Group Co., Ltd.)
- Operation Summary of “one head two ending” 200 kpta synthesis ammonia (methanol) unit (Anhui Haoyuan Chemical Group Co., Ltd.)
- To improve energy efficiency and safety of old synthesis ammonia plant by using KBR’s revamp technology (KBR)
- To decrease using quality of natural gas dramatically in synthesis ammonia plant by using KRES-ESTM technology (KBR)
- Revamp experience of gas saving, energy saving, emission reduction, efficiency increase technology for natural gas fertilizer (PetroChina Ningxia)
- Construction and process operating conditions of a new type coal gasification synthesis ammonia and methanol unit (China Nitrogen Fertilizer Industry Association)
- Comprehensive technology report of Hangtian powdered coal gasification (Hangtian Changzheng Chemical Engineering Co., Ltd.)
- Temperature control exchange technology and application (Huashuo Science Technology Co., Ltd.)
- Brief introduction for controllable moving heat exchange technology’s application in all kinds of coal chemical exchange unit (Nanjing Dunxian Chemical Technology Co., Ltd.)
- Experience summary for engineering project of energy saving deeply exchange and controllable moving heat exchange process (Anhui Haoyuan Chemical Group Co., Ltd.)
- Experience summary for sulfur recovery clean production of Keyang H2S acid making ECOSA® process guarantee. (Keyang Environment Engineering (Shanghai) Co., Ltd.)
- Design idea for 1800 kpta methanol synthesis unit (Hunan Anchun Hi-Tech Co., Ltd.)
- Application summary of a mega size low pressure ammonia synthesis (Nanjing Jutuo Chemical Technology Co., Ltd.)
- Application summary of 600 kpta low pressure ammonia synthesis system (Shandong Runyin Biochemical Co., Ltd.)
- Proposal of synthesis ammonia / methanol unit change to co - production of ethylene glycol and new technology progress of WHB coal to polymer grade ethylene glycol (Huashuo Science Technology Co., Ltd.)

Urea Production Technology
- Production status of international and domestic urea products and developments (China Nitrogen Fertilizer Industry Association)
- Innovations to improve urea plant efficiency of ammonia stripping urea technology (Saipem S.P.A)
- New ideas of improving recator safety of conventional total recycle urea plants and saving energy & decreasing loss (Sichuan Taihongxiang Energy Conservation and Environmental Protection Technology Co., Ltd.)
- Urea production technology of JX energy saving type (Sichuan Jinsheng Sairui Chemical Co., Ltd.)
• Revamp proposal research for gas saving of small and middle type urea by using CO2 stripping method (Sichuan Taihongxiang Energy Conservation and Environmental Protection Technology Co., Ltd.)
• The unique features and advantages of the Cold Recycle Granulation Process (Green Granulation Technology)
• Operation condition of large granular ureaproduct unit and mail measures of improving urea production quality (ChinaCoal ErdosEnergy & Chemical Co., Ltd.)
• Historical retrospect of China urea large granular production and opportunity and challenge facing (Hofung Technology Co., Ltd.)
• Assuring Premium Product Quality (UreaKnowHow.com)
• SBN – partner of nitrogen fertilizer industry worldwide for delivery of critical equipment and providing of services (Schoeller-BleckmannNitec GmbH)
• Quality materials production for the Fertilizer Industry (Tubacex S.A.)