

第十二届煤制烯烃与高端化学品论坛

12th Coal to Olefins & High-end Chemicals Forum

10.20-21

宁夏·银川

2020



ASIACHEM[®]

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[Http://www.asiachem.org/2020CTO](http://www.asiachem.org/2020CTO)

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会议背景

截至2020年上半年，中国已建成28套CTO/MTO装置，形成1585万吨/年烯烃规模，下游产品主要以聚烯烃为主，环氧丙烷、丁辛醇、丙烯腈、乙二醇、EVA等为辅。这些装置大部分处于长周期稳定运行状态，在低油价下，仍然有较好的利润。

“十四五”期间将推进20多个CTO/MTO项目，到2025年底，中国将形成3400万吨/年烯烃产能。同时，行业竞争正在加剧，节能降耗、控制成本，发展差异化、高端化产品是煤制烯烃与新型煤化工企业的重点方向。

宁夏是世界级煤制烯烃和新型煤化工基地。全球首套年产50万吨煤制丙烯(MTP)装置和400万吨煤间接液化示范工程由国家能源集团宁夏煤业建成。宁夏宝丰能源崛起成为民营煤化工巨头的趋势明显，已建成120万吨/年煤制聚烯烃，并正在推进建设500万吨/年煤制聚烯烃项目，发展茂金属聚烯烃及高端化学品。

未来煤制烯烃和煤化工产品高端化发展方向如何？如何优化运营降低成本？新一代的MTO工艺和催化剂进展如何？更大规模煤制烯烃装置如何带动设备与技术的升级？下游高价值产品和技术发展有哪些方向？新项目如何规划高价值的下游产品？

亚化咨询主办的第十二届煤制烯烃与高端化学品论坛2020将于10月20-21日在宁夏银川召开，会议将探讨国际能源化工发展趋势和中国“十四五”规划；工厂运行优化和工艺与催化剂技术提升；煤制烯烃/大炼化/PDH/乙烷裂解制烯烃竞争力比较；煤基高端化学品发展方向；茂金属聚烯烃技术与产业趋势；副产品高价值利用和环保问题等。会议将组织参观位于宁东能源化工基地的宁夏宝丰能源120万吨/年煤制烯烃世界级工厂。

会议主题

- 1.国际能源化工发展趋势和中国“十四五”规划前瞻
- 2.CTO/大炼化/PDH/乙烷裂解：
烯烃产能扩张趋势2020-2025
- 3.煤/合成气/天然气：新路线烯烃技术与项目
- 4.新建80-100万吨/年煤制烯烃项目的竞争力
- 5.大规模煤基甲醇与沿海MTO项目
- 6.茂金属聚烯烃与高端化学品规划
- 7.C4-C6副产品高价值利用
- 8.空分、煤气化、合成气净化、MTO最新技术
- 9.运营优化与智能工厂
- 10.项目环评与环保、水处理解决方案
- 11.工业参观与考察：宁夏宝丰能源煤制烯烃工厂

日程安排

2020年10月19日	周一
17:00-20:00	会议报到注册
2020年10月20日	周二
08:00-09:00	会前注册
09:00-12:00	演讲报告
12:00-14:00	自助午餐与交流
14:00-18:00	演讲报告
18:00-20:00	招待晚宴
2020年10月21日	周三
09:00-16:00	工业参观

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Background

As of the H1 of 2020, China has built 28 CTO/MTO plants, with total 15.85 Mt/a olefins capacity. Derivatives are mainly polyolefins, and also PO, BDO, ACN, MEG, and EVA etc. Most of these are in a long-term stable operation, and still profitable under low oil prices.

During 2021-2025, more than 20 CTO/MTO projects will be developed. By the end of 2025, China will have 34 MT/a olefins capacity. At the same time, industry competition is intensifying. Energy conservation, consumption reduction, cost control, and the development of differentiated and high-end products are the key directions.

Ningxia is a world-class coal chemical industry base. The global first 500 Kt/a of coal-to-propylene (MTP) plant and 4 Mt/a of indirect liquefaction demonstration project were built by the Shenhua Ningmei. Ningxia Baofeng Energy is becoming the leading private coal chemical giant. It has built 1.2 Mt/a CTO, and is advancing the construction of 5 Mt/a CTO projects to develop metallocene polyolefins and high-end chemicals.

What is the future direction of high-end coal chemical products? How to optimize operations and reduce costs? What is the progress of the new generation of MTO process and catalyst? How does a larger-scale plant drive equipment and technology upgrades? How to plan high-value downstream products for new projects?

The 12th Coal to Olefins & High-end Chemicals Forum 2020 will be hosted by ASIACHEM in Yinchuan, Ningxia on October 20-21. The upcoming events will discuss global energy and chemical trends and China's 14th Five-Year Plan; plant operations Optimization and improvement of process and catalyst technology; development of coal-based high-end chemicals; metallocene polyolefin technology etc. A visit on Ningxia Baofeng's world-scale CTO plant will be organized.

Topics

1. Global energy & chemical trends and China's "14th Five-Year Plan" foresight
2. CTO/Naphtha/PDH/ethane route olefin capacity expansion 2020-2025
3. Coal/syngas/natural gas: new route olefin technologies and projects
4. Competitiveness of the newly built 800-1000 Kt/a coal-to-olefin projects
5. Large-scale coal-based methanol and coastal MTO projects
6. Metallocene polyolefin & high-end chemicals
7. High-value utilization of C4-C6 by-products
8. The latest technology of ASU, gasification, syngas purification, MTO
9. Operation Optimization and Smart Factory
10. Environmental protection, water treatment solutions
11. Industrial visiting: Ningxia Baofeng Energy 1.2 Mt/a CTO Plant

Preliminary Agenda

Oct.19, 2020 Monday

17:00~20:00 Pre-conference Registration

Oct.20, 2020 Tuesday

08:00~09:00 Pre-conference Registration

09:00~12:30 Speech

12:30~14:00 Networking Lunch

14:00~18:00 Speech

18:00~20:00 Banquet

Oct.21, 2020 Wednesday

09:00~16:00 Industrial visiting