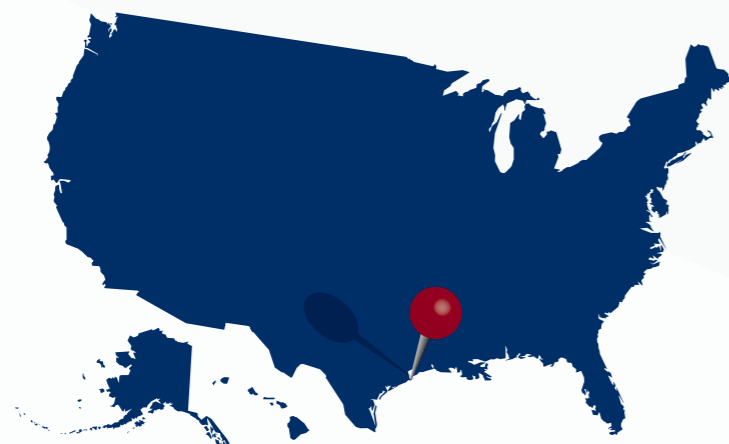


PO / MTBE

环氧丙烷/甲基叔丁基醚



美国 德克萨斯



中国 南京



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亨斯迈PO/MTBE 技术

亨斯迈是全球PO技术的领导者,也是全球仅有的2家拥有PO/MTBE技术的企业之一,具有深厚的PO市场营销能力和下游应用开发能力。作为生产方面的专家,亨斯迈聚氨酯事业部在美国、荷兰和中国拥有世界级规模的生产设施,其中就包括在德克萨斯州内奇斯港的世界级PO/MTBE生产基地。该工厂采用丙烯与异丁烷共氧化法生产环氧丙烷并联产MTBE的工艺技术,产品收率高、装置能耗低、三废污染少。

工厂于1994年投产运营,产能为18万吨PO以及58万吨MTBE;经过持续改进技术,目前产能已得到30%的提升,最大产能可达到23.5万吨PO以及72.5万吨MTBE。此外,亨斯迈已和中石化签署合资合同,该合资公司南京金陵亨斯迈新材料有限公司,正致力于在中国南京建设并运营一家世界规模的环氧丙烷(PO)和甲基叔丁基醚(MTBE)工厂,该工厂同样采用亨斯迈PO/MTBE生产技术,项目预计将于2016年年底机械竣工。

关于亨斯迈

亨斯迈是生产和营销特殊化学品的跨国集团。我们的产品应用领域十分广泛,包括消费品和工业品终端市场,涵盖交通、家居、建筑、能源和燃料、服装及鞋材。亨斯迈根据客户需求研发产品,为应对全球重大挑战提供解决方案。集团旗下有五大事业部,拥有15,000多名员工,在全球30多个国家运营业务。

PO简介

PO - 环氧丙烷
PO为丙烯的主要衍生物,也是重要的基础有机化工原料,是生产聚氨酯硬泡和软泡的重要原料。该产品主要用于聚醚多元醇、丙二醇、非离子表面活性剂以及碳酸丙烯酯的生产。其下游产品则被广泛运用于汽车、建筑、保温、食品、烟草、医药及化妆品等行业。



MTBE简介

MTEB - 甲基叔丁基醚
MTBE可分为调油级MTBE和化工级MTBE。调油级MTBE是优良的辛烷值改进剂,用于提高汽油辛烷值,并显著改善汽车尾气排放,是生产无铅、高辛烷值汽油的理想调和组分;化工级MTBE可用于制备高纯异丁烯,生产MMA、丁基橡胶、聚异丁烯以及医药中间体等。



南京金陵亨斯迈新材料有限责任公司简介

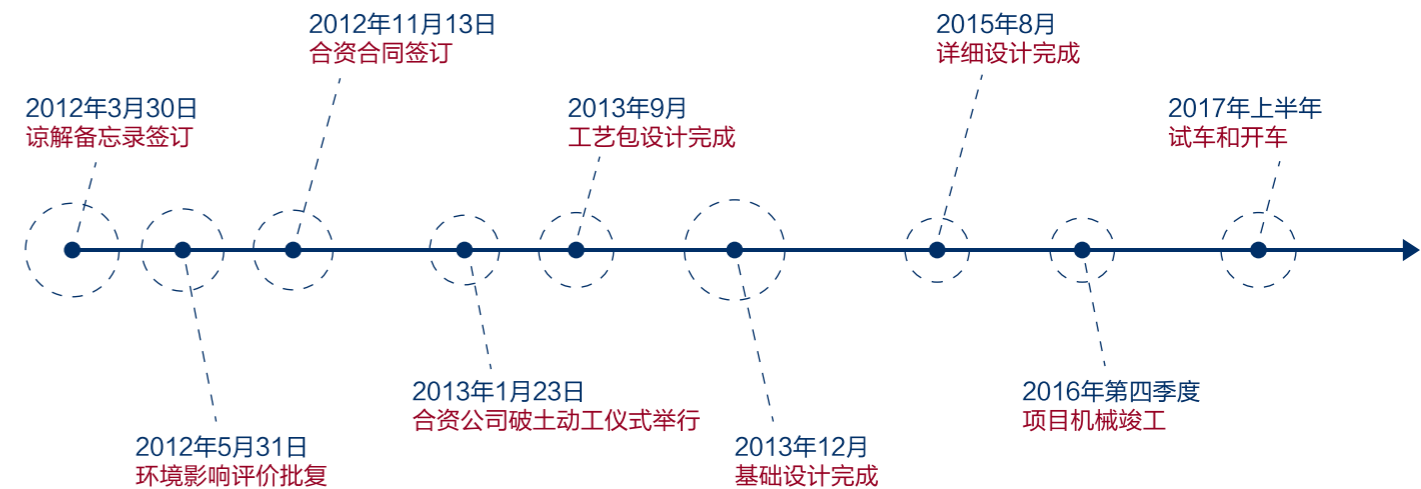
南京金陵亨斯迈新材料有限责任公司是由中国石化股份有限公司和亨斯迈化工贸易(上海)有限公司按照51:49的出资比例,在南京化学工业园注册成立的合资公司,总投资47亿元人民币,是世界级规模的环氧丙烷(PO)和甲基叔丁基醚(MTBE)装置,年产24万吨环氧丙烷和74.2万吨MTBE;投产后预计年产值达85亿元。公司具有良好的成长性,投资双方均为世界知名的能源化工公司,中石化金陵石化公司的炼油能力达到1800万吨/年,是中国华东地区主要的汽油供应商,地处中国最大的PO和MTBE市场,中石化同时也是中国国内最大的MTBE消费者,拥有充足的C3和C4的管道供应,以及高性价比原料和充足的本地资源。

此外,合作双方将通过PO/MTBE项目的建设和运营,进一步拓展下游聚氨酯领域的合作,在南京地区开发、生产世界领先、具有高附加值和全球竞争力的PO/MTBE高端衍生品。

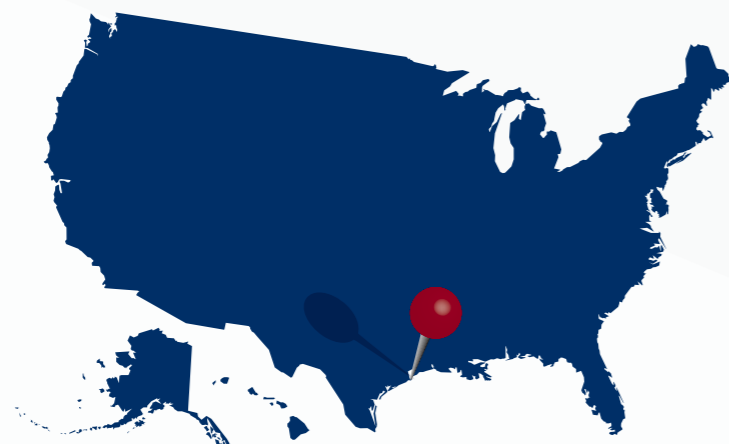
对于此次合作,公司总裁兼首席执行官 Peter Huntsman 先生说:“该合作为我们进一步的国际拓展和创造股东价值带来了广阔的机遇。中国石化是全球能源、精炼和化工行业的领跑者,我们非常高兴能与之合作。”

- Peter Huntsman Jr.

里程碑



PO / MTBE



Texas The United States



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Huntsman PO/MTBE Technology

Huntsman is a global leader in Propylene Oxide (PO) process technology and is one of only two PO/MTBE technology owners in the world. As the manufacturing expertise, Huntsman focuses on process technology and is dedicated to the development of polyurethane downstream applications with strong PO marketing ability.

One of five business units within Huntsman Corporation, Huntsman Polyurethanes operates world-scale manufacturing facilities in the United States, The Netherlands, and China, including a PO/MTBE plant in Port Neches, Texas, USA. Based on co-oxidation of propylene and isobutane raw materials to produce PO and Methyl Tertiary Butyl Ether (MTBE), advantages of this process include high yield, low energy consumption, and minimal pollution. Following its startup in 1994 with an annual capacity of 180 KT PO and 580 KT MTBE, this production unit has been the focus of continuous improvements, resulting in an annual capacity of 235 KT and 725 KT MTBE.

In addition, Huntsman has signed a joint venture agreement with Sinopec. This joint venture, Nanjing Jinling Huntsman New Material Co., Ltd., will build and operate a world-scale PO and MTBE facility in Nanjing, China. The facility will utilize Huntsman's proprietary PO/MTBE technology and mechanical completion of this unit is expected in 2016.



About Huntsman

Huntsman Corporation is a global manufacturer of chemicals you use every day. We serve a broad and diverse range of consumer and industrial end markets, including: transportation, home life, construction, energy and fuels, and clothing and footwear. We develop products that address customers' needs and help provide solutions to some of the world's greatest challenges. Through our five business divisions, we operate in more than 30 countries around the world, employing over 15,000 associates.



PO – Propylene Oxide

Derived from propylene, PO is a key raw material in the production of Polyols, PG, nonionic surfactant and propylene carbonate which are used in a wide variety of polyurethane systems and organic chemicals. End-use products and applications serve automobile, construction, insulation, food, tobacco, pharmaceutical, and cosmetics industries.



MTBE – Methyl Tertiary Butyl Ether

With an octane number of 109, MTBE is primarily used as a blending component in gasoline to increase its overall octane rating and to produce a cleaner-burning motor gasoline with reduced tailpipe emissions.

Minimum purity of 98%, MTBE can be produced as Chemical grade for use in the production of high-purity isobutene, MMA, butyl rubber, PIB and other chemical products as well as pharmaceutical intermediates.

Nanjing Jinling Huntsman New Material Co., Ltd.

Nanjing Jinling Huntsman New Material Co., Ltd., a 51:49 equity joint venture between Sinopec and Huntsman Chemical Trading (Shanghai) Ltd., is located in Nanjing Chemical Industry Park in China. This venture will operate a world-scale PO/MTBE facility based on Huntsman's proprietary technology to produce 240 KT and 742 KT annually of PO and MTBE, respectively.

With the total investment amount of approximately 4.7 billion RMB and an estimated 8.5 billion RMB in annual revenues, the Joint Venture has a bright future as both parties are globally recognized leaders in energy and chemical industries. Located in the largest PO and

MTBE markets in China, Sinopec Jinling Company has access to local resources and a sufficient supply of cost-effective feedstocks, such as pipeline C3 and C4. Furthermore, with a refining capacity of 18,000 KT/year and as the major supplier of gasoline in East China, Sinopec Jinling Company is one of the largest consumers of MTBE in China.

In addition to the construction and operation of the PO/MTBE facility, both parties will collaborate in the development of downstream polyurethane applications, producing world-class, value-added PO/MTBE derivatives in a globally competitive manner.

"This partnership provides a tremendous opportunity for us to further our global expansion and create shareholder value. We are proud to partner with Sinopec, a global leader in energy, refining and chemicals."

- Peter Huntsman Jr.

Milestone

