

ECF2014 Event Summary

-4th ECF Asia Shale Gas Summit (Shanghai) 2014
&
APAC Unconventional Resources Tech & Equip EXPO

14-16 October, 2014

Shanghai World Expo Convention & Exhibition Center, China

Abstract: Energy industry plays an extremely important part in economy. Tightly connected with global wealth, politics, diplomacy and even military matters, there has formed the global geopolitics of energy. China, as well, increasingly depends on energy resources during its economic growth as to form the new energy revolution for energy structure, mixed ownership, energy security, etc. Shale gas and other unconventional energy resources is the most promising way to help China achieve energy breakthrough and establish a modern industry chain and global cooperation network.

1. General Introduction

As the shale revolution in US has changed the global energy, China's own energy issue has been raised to a strategic level. Recently, Xi Jinping brought the ideas of promoting energy revolution, covering consumption, supply, technology and system. And unconventional energy will become an important part of energy supply and help form a new energy system as well as market mechanism.

Therefore, ECF 2014, also known as 4th ECF Asia Shale Gas Summit & APAC Unconventional Resources Tech and Equip EXPO, was held in Shanghai on Oct 14-16 under great support of supervising authorities. The organizers are Shanghai Academy of Social Sciences, Shanghai Energy Economy Committee, Shanghai United Unconventional Resources Institute, National Energy R&D Center for LNG Technology, China Huanqiu Contracting & Engineering Corporation and China Petroleum Pipeline Bureau; the co-organizers includes The Coordinating Committee for Geo-science Program in East and Southeast Asia (CCOP), US China Partnerships and Shanghai Environment Energy Exchange. Meanwhile, there were 4 sponsors for the events which are ENI spa, Shenyang Yuanda Compressor Co., Ltd, China Construction Bank Shanghai Branch and Shanghai SK Petroleum & Chemical Equipment Corporation Ltd.

The summit gathered more than 300 speakers and guests from over 20 countries and regions, representing government authorities, research institutes, financial companies and well-known corporations.

2. ECF2014 Opening Ceremony & Founding Ceremony for Shanghai United Unconventional Resources Institute



Shanghai United Unconventional Resources Institute (the “Institute”) is a new independent energy think tank, which based on years of works of ECF International Shale Gas Forum. As a non-profit organization, the Institute is to establish a new cooperation network and mechanism among government, research institutes, energy corporations, manufacturer, financial institutes, etc, and to promote the commercialization of unconventional energy industry in Asia-Pacific and other regions. The Institute is devoted to achieve sustainable development goals while pursuing the unconventional energy industry and global partnerships. And based on Shanghai, the Institute can effectively gather all resources domestic and international, and form a modern energy research center as well as communication platform for all entities in the industry.

On Oct 14, the Institute signed MOU and established strategic partnership with China (Shanghai) Outsourcing Promotion Center and Shanghai Environment Energy Exchange.

3. Global Partnerships

ECF2014 events established partnership relations as well as great support from multiple international organizations.

On Oct 16, ECF2014 organizing committee received a formal Letter of Appreciation from Dr. Adichat Surinkum, Director of CCOP Technical Secretariat. Dr. Adichat Surinkum made welcoming address and a formal speech on Oct 14 and expressed his wish for establish international partnerships to promote shale gas development among East and Southeast Asia countries.

And also did ECF2014 receive a greeting letter from Annise D. Parket, Mayor of the city of Houston in United States, representing US China Partnerships, to congratulate the establish of the Institute as well as ECF2014 event.

Representing sponsor ENI, Mr. Gianni Di Giovanni, CEO of AGI, also addressed his positive prediction of China's shale gas development and hoped China and Europe could work together to enhance energy cooperation.

4. China Shale Gas Development among New Economic Normality

Dr. Zhang Yousheng, director of Economic Center for Energy Research Institute from National Development and Reform Committee, introduced that China's current economic is under a "new normal" circumstances with four characteristics of mid-high speed, optimized structure, new motivation and more challenges. He said that natural gas is the major force of China energy structure reform in the short and midterm period. Therefore, developing shale gas industry is the choice for China's energy strategy.

Under the big picture, deputy director Jiang Xinmin of ERI, NDRC introduced new policies and major reforms for shale gas industry for now and in the near future. Other major speakers including Wang Weiguo, deputy director of China Petroleum Pipeline Bureau; Huang Yonggang, general manager of HQCEC LNG Company; Xue Chengjin, deputy director of Special Operation Dept in Sinopec Oilfield Service Corporation; and Yang Kun, Yang Kun, general manager of China Huadian Group Clean Energy Co. Ltd. project cooperation department, had all made important speech about China shale gas development.

5. Frontier Technology, Equipment and Services

There had also been many executives and experts from major companies introducing the most cutting-edge technology, equipment and service industry development, as well as their most advances project and corporation management experiences.

The speakers from well-known corporations were coming from Shanghai Shenkai, Solvay Novacare, Dow Chemical, Schlumberger, SGS, Geopen etc. Their speeches covered from exploration technology, well drilling equipment and specialty chemicals to standard testing and financial

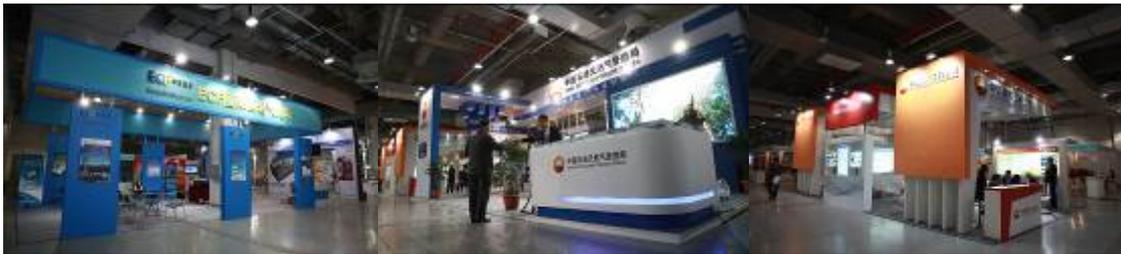
services.

6. Natural Gas Sub-Forum

On Oct 16 morning, the ECF2014 sub-forum was held focusing on natural gas storage & transportation, as well as shale gas related opportunities. Li Yulong, executive director of National Energy R&D Center for LNG Technology, introduced the industry circumstances and chances for small and middle scale LNG industry, from the prospective of shale gas rising. Other speakers includes GDF SUEZ China president of Corporate Affairs Didier Usclat, DNV GL Greater China Cross BAs Business Development Manager James Wu, Zoko Energy Deputy GM Zhang Tiecheng and Xi'an Sanlin's Mr. Fang Zhi.

On Oct 16 afternoon, around 50 guests visited Shanghai SK Petroleum & Chemical Equipment Corporation Ltd. located in Pudong District.

7. APAC Unconventional Resources Tech & Equip EXPO



ECF2014 events' another major part - APAC Unconventional Resources Tech & Equip EXPO (the "EXPO") was held at the same time. Gathering over 40 exhibitors and 4,000 visitors, the EXPO drew wide attention and recognition as the best unconventional energy exhibition in Asia-Pacific.