

Safety Knows No Borders: Submarine Gas Pipeline from PRC to BPPS

安全無界限：中國內地至龍鼓灘電廠的海底管道

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Abstract

In coordination of the HKSAR initiative for clean air initiatives and requirements for reliable power generation, Castle Peak Power Company Limited (CAPCO) (a Joint Venture (JV) between ExxonMobil and CLP) is establishing a JV to build a sub-sea gas pipeline with PetroChina.

The JV pipeline project starts at Dachan Island in Shenzhen and ends in Hong Kong at Black Point, supplying natural gas for CAPCO's power generation units. The source of natural gas is transmittal from the second West-East pipeline, originating in Central Asia.

The routing of the subsea pipeline will go through two jurisdictions: PRC and HKSAR. This project will also require close coordination between the two parties to achieve high safety, health and environmental protection standards.

This paper will discuss safety aspects of pipeline design, construction and operation to meet the JV project owner's as well as the relevant (cross border) regulatory requirements.

摘要

為配合香港特區對改善空氣質素措施和可靠供電的要求，青山發電有限公司（埃克森美孚能源有限公司與中華電力有限公司合資）及中國石油天然氣股份有限公司正在成立一間合資公司共同建設一條海底輸氣管道。

該合資管道項目由深圳大鏟島連接至香港龍鼓灘，為青電發電機組提供所需的天然氣。天然氣的來源是原於中亞的西二線管道。

海底管道的路由將經過兩個司法管轄區：中華人民共和國和香港特別行政區。該項目還需要雙方之間的緊密協調，以實現高安全、健康和環保標準。

本論文將討論能滿足合資公司業主以及相關（跨境）法規要求的管道設計、施工和營運安全措施。

Biography

Mr John Cullen

Mr John Cullen joined CLP in 2006 to manage the technical requirements of a new gas supply source for CAPCO. Prior to this, he was involved in the execution of major gas infrastructure projects in Algeria, Indonesia and the United States. His work has been primarily LNG projects and the pipelines associated with these facilities.

Mr Zhao Yumin

Mr Zhao Yumin - is currently the Deputy General Manager and Safety Director of PetroChina Kunlun Natural Gas Utilization Company. He has more than 20 years of project management experience in oil and gas pipelines, energy storage, and LNG receiving terminal, etc.