Introduction

As an integrated petrochemical complex, the major facilities of the complex include 11 process units, steam and power generation and other utility provisions, storage and handling and shipping facilities, as well as environmental protection facilities.

The heart of the complex is a world-scale cracker producing 950,000 tons per annum ethylene and 500,000 tons per annum propylene. In total, the complex produces some 2.7 million tons per annum of ethylene and propylene’s derivative products to supply the domestic market.

For more information

Further details of ABB Measurement & Analytics products are available for free download from: www.abb.com/measurement

or by scanning this code:

CSPC – CNOOC and Shell Petrochemicals Company Limited in Huizhou, China, has successfully installed several of ABB’s analyzer systems from system integration unit in their integrated petrochemical complex
Company profile on CNOOC and Shell Petrochemicals Company Limited (CSPC, joint venture) in Huizhou, China

CNOOC and Shell Petrochemicals Company Limited (CSPC) was established in late 2000. It has built and now operates a world-scale petrochemical complex in the Daya Bay Petrochemical Industrial Park Huizhou, Guangdong Province.

The joint venture partners are Shell Nanhai BV, a member of the Royal Dutch Shell Group, with a 50 per cent stake and CNOOC Petrochemicals Investment Limited (CPIL), also with 50 per cent. CPIL is owned by China National Offshore Oil Corporation (CNOOC) (90 %) and Guangdong Guangye Investment Group Company Limited (10 %).

The CSPC petrochemical complex incorporated the world’s advanced technologies and utilizes modern management systems and international standards in design and construction and during the current operation phase.

The majority of its process units are world-scale. Its adoption of 13 licenses through international bidding ensures it operates on the cutting edge of technology. As an integrated petrochemical complex, the major facilities of the complex include 11 process units, steam and power generation and other utility provisions, storage and handling and shipping facilities, as well as environmental protection facilities. The heart of the complex is a world-scale cracker producing 950,000 tons per annum ethylene and 500,000 tons per annum propylene. In total, the complex produces some 2.7 million tons per annum of ethylene and propylene’s derivative products to supply the domestic market. CSPC is committed to implementing a strategy of sustainable development in operating the complex. It adopts responsible environmental standards and takes a wide variety of actions to contribute to the social and economic development of the local society such as lending support to local educational and health undertakings.
What are the main benefits with ABB and the System Integration Unit (SIU) – Analyzer Houses?

We ask Mr Dong Hui Lai, Senior QMI Engineer at CSPC Huizhou: (QMI = Quality Measurement Instrumentation):

“The long-time good cooperation and interactive feedback process between CSPC and ABB regarding the QMI (Quality measurement instruments) is important for both parties.”

“ABB is very good in the field of analyzers and CSPC has an excellent communication with the ABB technical staff. When we have questions we always be able to get very good and fast service from them”

“Today we have 100 units of PGC2000 installed at CSPC and there are approximately 13 units of PGC in each analyzer house. The new PGC5000 with touch-screen is interesting for CSPC. We have been to the ABB Shanghai workshop and seen that the new touch-screen seems much better than the current one.”

“CSPC wants to upgrade the operating system and the new software for PGC5000. The reliability of the QMI Analyzers and the good service provided by the Vendor is very important to the end-users. So far, we are very happy and satisfied with ABB’s service provided on the QMI Analyzers and Analyzer Houses”