

WEST TO EAST PIPELINE PROJECT

Chinese and German Governments meet

ELSTER-AMCO High-Tech System Solutions

Enlargement of the Co-operation Activities between ELSTER-AMCO and the Shanghai Institute of Process Automation and Instrumentation – SIPAI – in Shanghai



Left to right Prof. Li Chuanjing (SIPAI), Wang Hong (ELSTER-AMCO), Harald Dietrich (ELSTER GmbH) and Sun Shuping (SIPAI)

Sino German Hi Tech Forum

The second Chinese / German Hi Tech Forum was held in Beijing from the 29th of October until the 1st of November, 2001 with more than 300 participants from Germany and China. The aim of the forum is to bring German and Chinese companies together to co-operate in projects or joint ventures. Besides some plenary sessions, the subjects to be presented and discussed are divided into four working groups. Our presentation took place in the WG 3, 'Alternative Energies'. Our presentation with the headline 'System Solutions for High Precision Measuring, Controlling and Data Management in the Natural Gas Network' described the strategic co-operation with the Shanghai Institute of Process Automation and Instrumentation – SIPAI.

As a highlight of the Sino German Hi Tech Forum, 26 co-operation letters of intent (LOI) or contracts were signed during a highly-official signing ceremony in the 'Great Hall of the People' in the presence of Prime Minister Zhu Rongji, German Chancellor Schröder and the German Minister of Economics Müller as well as a delegation of important people from the world of business. During this signing ceremony ELSTER-AMCO signed a letter of intent together with SIPAI to enlarge the common co-operation activities.

The final co-operation contracts for technology and know-how transfer were signed in Shanghai in June 2002.

West to East Pipeline Project

As a key part of the plan 'Development of Western China', the Chinese government decided to carry out the long-term project 'West to East Natural Gas Transport' for which two natural gas pipelines will be built from Jingbian and Kuerle to Shanghai. This supports the Chinese political goal to reduce pollution and CO₂ emissions by changing over to the efficient use of natural gas. The total length of the pipelines is 4000 km with a line pressure of 10 MPa. The volume of gas to be transported will increase gradually to 9 billion cubic meters by the year 2005.



Sun Shuping and Harald Dietrich during the official signing ceremony in the 'Great Hall of the People'



Harald Dietrich from ELSTER GmbH during his presentation at the second Sino German Hi Tech Forum

Goal for the Customer

The Co-operation between ELSTER-AMCO and SIPAI is focused in such a way that it supports the development of the Chinese gas distribution systems with high-tech data communication, automation and field-bus system solutions. These system solutions in association with pressure regulation and metering systems build the backbone for high functionality in the gas distribution area. To demonstrate the functional interplay of all com-

ponents in such a system and the associated advantages for the customer, a demonstration station equipped with ELSTER-AMCO high-tech components will be set up at SIPAI.

After the start-up phase in the second half of the Year 2002, the successfully introduced ELSTER-AMCO flow computer line gasnet for flow computation and station control will directly come out of the SIPAI production. The high quality of the ELSTER-AMCO products together with the local production and service capabilities in China guarantee considerable advantages for the Chinese customers.

The know-how of the co-operation partners will open the opportunity to set up a total gas distribution network in China with a standardized data communication management system in the main gas pipeline and the city gate stations. The high-precision gas measurement and regulation in close combination with data management systems enables online energy balancing not only for national economic benefits.

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