Sino-German Cooperation on Industrie 4.0
中德工业4.0合作

Political Framework of Cooperation in the Area of Industrie 4.0

The German and Chinese governments agreed on a framework for Sino-German cooperation with a particular focus on Industrie 4.0 during government consultations in October 2014.

The German Federal Ministry for Economic Affairs and Energy (BMWi) and the Chinese Ministry of Industry and Information Technology (MIIT) signed a Memorandum of Understanding (MoU) in July 2015. Both sides intend to deepen the mutual understanding and agreed to politically support cooperation between German and Chinese companies in the areas of intelligent manufacturing and interconnected production processes.

The Sino-German intelligent manufacturing/Industrie 4.0 Standardization Sub-Working Group of the Sino-German Commission on Standardization cooperation started its work in December 2015. It is jointly implemented by the Standardization Administration of China (SAC), MIIT, China Electronics Standardization Institute (CESI) on the Chinese side and BMWi, the German Electrical and Electronic and Information Technology Standardization Committee (DKE), the German Standardization Institute (DIN) on the German side.

The German Federal Ministry of Education and Research (BMBF) and Ministry of Science and Technology (MoST) agreed upon a Joint Declaration of Intent in January 2016 to promote cooperation in the fields of intelligent manufacturing (Industrie 4.0) and smart services.

The results of the bilateral cooperation are presented during Annual Conferences on State Secretary/Vice Minister Level and annual Sino-German Symposiums on intelligent manufacturing and Interconnected Production Processes (first held on November 29 – 30, 2016 in Berlin).

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

As a federally owned enterprise, GIZ supports the German Government in achieving its objectives in the field of international cooperation for sustainable development in more than 130 countries worldwide.

With more than 30 years of experience in Sino-German technical cooperation, GIZ works within the framework of the Comprehensive Sino-German Strategic Partnership for the mutual benefit of both countries.

BMWi commissioned GIZ in June 2016 to implement the bilateral cooperation under the MoU between BMWi and MIIT, signed in July 2015. Subsequently, GIZ established the Sino-German Industrie 4.0 Project. The project is responsible for facilitating the political dialogue between BMWi and MIIT, for identifying and highlighting bilateral cooperation projects, for monitoring developments in the area of Industrie 4.0 in China, for institutionalising the dialogue between German and Chinese stakeholders as well as serving as a liaison office in Beijing.

Sino-German Cooperation on Industrie 4.0

The Sino-German cooperation on Industrie 4.0 takes place in close cooperation with BMWi, BMBF, German stakeholders, especially the Plattform Industrie 4.0, the German Embassy, companies, industry associations, the German Chamber of Commerce and research organisations. Moreover, the activities are closely connected with MIIT and the Center for Information Industry Development (CCID), which is a subordinate organization of MIIT and facilitates the activities on the Chinese side.

Substantial steps of implementation in 2016:

- Preparation of first Sino-German Symposium on intelligent manufacturing and Interconnected Production Processes and first Annual Conference on State Secretary/Vice Minister Level

- Start of the Sino-German Company Working Group on intelligent manufacturing and Interconnected Production Processes (CWG)

- Gathering and composing of policy recommendations regarding the next steps of Sino-German cooperation

- Identification of Sino-German cooperation projects in the area of Industrie 4.0

Sino-German Company Working Group

The Sino-German Company Working Group on intelligent manufacturing and Interconnected Production Processes (CWG) facilitates the exchange among German and Chinese private sector representatives across various industries on their experience and challenges in the area of Industrie 4.0/ intelligent manufacturing in China.

The opening event and the first set of discussion groups took place in Beijing on October 18, 2016. A wide range of German and Chinese companies, research institutes and industry associations participated at the event, demonstrating the interest and demand for such a format for the bilateral dialogue and cooperation. Participants discussed topics such as data security, intellectual property rights and cooperation projects.

To ensure a continuous dialogue, the CWG will meet on a regular basis. German and Chinese companies, industry representatives and research institutes that are interested in the CWG are welcomed to join the discussions and contribute to the bilateral cooperation.

Participants of the opening event of the CWG in Beijing on October 18, 2016.

Contacting the Sino-German Industrie 4.0 Cooperation Office

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