



Siemens AG
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PLANNING A NEW DIGITAL MANUFACTURING PLANT FOR SIEMENS

Highest standards of quality and sustainability, worldwide

The Industry Automation Division at Siemens continues its expansion in the high-growth region Asia and trusts in the long-term support from the Ingenics AG.





In China, Siemens is a major player with production plants, research and development centers, joint ventures and regional branch offices. It remains the market leader in the fields of electrical engineering and renewable technologies.

In Shanghai, Ingenics' branch office has been working for over ten years. From here, well-known German and international companies – including BMW, Daimler, Audi, AGCO and ZF – are supported during their site selection, factory planning and supplier development projects across China. “The fact that Ingenics uses recognized standards for its factory planning concepts was a big advantage, such as the international LEED standard for sustainable building, as well as the German DGNB certification,” explains Ingenics factory planning expert, Andreas Ott.

Highest standards for the new Chengdu facility

With its newest facility, the Siemens Electronics Works Chengdu (SEWC) in the western province of Sichuan, Siemens' first digital manufacturing plant in China went into operation. Here since the middle of 2013, SIMATIC control units and other automation components have been developed and produced.

This new Chengdu facility was modelled after Siemens' Electronics Works Amberg (the 2007 winner of the Best Factory/Industrial Excellence Award for Europe) and uses the same standards of quality, automation and sustainability.

Optimization and further development of the Amberg concept

Initially, Ingenics supported Siemens by defining the new plant's requirements through a series of workshops. Using a “copy-smart” approach, the goal was to combine the proven qualities of the Amberg plant with all possible types of further improvements. In cooperation with Siemens Real Estate (SRE), the general requirements were then specified and included in a step-by-step concept for construction of the new facility.

This concept was then submitted to an official Chinese design institute for approval, which Ingenics and Siemens then used for planning purposes to control the quality and progress during the facility's construction. In the end, this new facility provided a production area of 10,000 m² in the West Park of Chengdu's Hightech-Zone and more than 1,000 jobs. ■

Certified to the international LEED standard

For Siemens, sustainability and ecological considerations play a major role. That's why its new factory was certified to international LEED standards – and received a gold accreditation.

About Siemens

The Siemens AG is a one of the worldwide leaders in electronics and electrical engineering. Its Industry Automation Division provides automation technologies, industrial switching systems and manufacturing software for Siemens' industrial customers – to support the entire added-value chain from product design to production and service. Thanks to Siemens software solutions, the timeline for launching new products can be reduced by up to 50%. The Industry Automation Division consists of five business units: Industrial Automation Systems, Control Components and Systems Engineering, Sensor and Communications, Siemens PLM Software, and Water Technologies.