

Achieving intelligent manufacturing



Mengniu's IT-based development journey

Business challenges

In 2012, Mengniu began a large-scale IT construction initiative, starting with IT planning and ERP. Around 2017, it began to implement applications around intelligent manufacturing, such as a laboratory information management system (LIMS), product life cycle management system (PLM) and manufacturing execution system (MES). At this time, it faced many challenges.

Gartner solutions

The goal of Mengniu's intelligent manufacturing started with a push to achieve intelligent management of R&D projects, formulas, processes and packaging. Then, it focused on PLM system issues inspection tasks, LIMS, production tasks, and MES. Next, it looked at managing energy consumption, equipment and labor through MES. At the same time, all these systems had to connect with the lowest level of ERP system. Finally, Mengniu worked on the goal of fully digitalizing the manufacturing process and intelligence through digital twinning.

With Gartner's help, Mengniu was able to test and verify some of these innovative concepts, quickly analyze industry trends and set the direction of its IT development. Gartner Magic Quadrants provided visibility into suitable industry solutions and service suppliers.

Mengniu worked one-on-one with Gartner experts to think through each scenario, and adjust and implement suggestions based on the company's specific needs. Mengniu also obtained unparalleled industry and technology-related guidance at conferences, such as Gartner IT Symposium/Xpo™.

Business impact

Going in, Mengniu's IT department had centralized control of every department's IT budget, allowing the team to evaluate the feasibility, maturity and potential business value of IT projects in a comprehensive way.

By working with Gartner on system innovation and data connectivity, and through IT budget control, Mengniu created a positive IT culture and built a collaborative relationship between IT and other departments. IT now plays a vital role in production and business. Through IT-based development, Mengniu has laid a firm foundation for its journey toward whole-process intelligent manufacturing.

For more information, please visit [gartner.com](https://www.gartner.com).

“With Gartner, we have the opportunity to work one-on-one with experts, discussing critical issues in-depth, face-to-face. After every conversation, the expert provides a follow-up report and introduces the most relevant senior experts. This access and insight is invaluable.”

Zhang Jue
CIO, China Mengniu Dairy Company Limited

Snapshot

Challenge

- Lack of successful cases of intelligent manufacturing application system in process manufacturing industry
- Potential solutions didn't meet all the company's criteria
- End-to-end data connectivity brought high costs

Solution

- Verified concepts, analyzed trends and planned future course based on research
- Gained contextualized advice and made adjustments in one-on-one discussions with Gartner experts
- Gained industry guidance in person at Gartner conferences

Impact

- Built foundation for innovative information system
- Connected life cycle system data
- Fostered relationship between IT and other business departments

How Gartner delivered value

- Relevant industry examples
- Engagement with experts
- Networking at conferences