



## CIMC's Selection of ThingWorx Enables Smart Manufacturing, Lowering Plant Operating Costs and Increasing Production Efficiency

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*PTC's ThingWorx to Enable Predictive Maintenance to Reduce Energy Consumption and Unplanned System Downtime*

NEEDHAM, Mass.--(BUSINESS WIRE)--Aug. 2, 2018-- [PTC](#) (NASDAQ: PTC) today announced that China International Marine Containers (Group) Ltd. (CIMC), a world leading supplier of logistics and energy equipment, successfully launched its smart manufacturing pilot project, 'IoT + MES,' built on PTC's ThingWorx® Industrial Innovation Platform.

Echoing the concept of 'Made in China 2025' and efforts to promote the deep integration of the Internet, big data, artificial intelligence, and the real economy, CIMC has been committed to innovation and promoting the development of smart manufacturing. Its subsidiary, Qingdao CIMC Reefer Container Manufacture Co., Ltd (QCRC), took the lead in piloting the integration of IoT and Manufacturing Execution Systems (MES).

As the overall platform for the QCRC pilot project, ThingWorx will connect to the company's MES to form an integrated factory information platform and data application consumption platform to achieve full-course visual operations, conduct big data analysis of major technologies, and ultimately help reduce operating costs and increase production efficiency.

ThingWorx is the industry leading, award-winning Industrial Innovation Platform from PTC that includes technologies and tools that enable users to rapidly develop, deploy, and extend apps and augmented reality experiences. ThingWorx contains a broad set of features, including a variety of connectivity options, application development tools, and analytics all built around a single, real-time view of a physical object in the digital world.

Thus, ThingWorx supports remote data collection of connected devices, enables independent and secure connection between devices, manages devices/sensors, and integrates with multiple enterprise-level systems. The big data learning and analysis function in ThingWorx will also enable predictive maintenance and reduce energy consumption and unplanned downtime of those devices. QCRC project leaders will be able to understand the factory's operations, abnormalities, and warnings in real-time, as well as future production trends.

"The QCRC pilot project, 'IoT + MES,' is a case where information technology is used to solve the problem in business management. It provides data for operations, management, and decision-making," said Jinjie Pan, CIO, CIMC. "This is our capacity-building effort to integrate automated devices and an information-based platform, and it is also our exploration of the integration of automation and informatization. The on-time launch of this project is a testament to our capability of organizing and rapid delivery."

"We are excited to see a leading organization like CIMC utilize PTC's ThingWorx platform to truly embrace the industrial IoT for smart manufacturing and digital transformation," said Jerry Liu, DVP and president of Greater China, PTC. "We believe the successful launch of this pilot project will accelerate CIMC's informatization development, facilitate its digital transformation, and promote the development of smart manufacturing in the Chinese market."

### Additional Resources

- [ThingWorx Industrial Innovation Platform](#)
- [ThingWorx Industrial Connectivity](#)

### About CIMC and QCRC

China International Marine Containers (Group) Ltd. (CIMC) is a world leading supplier of logistics and energy equipment, headquartered in Shenzhen of China. CIMC is dedicated to supplying high-quality and reliable equipment and services, including containers, vehicles, energy, chemical and food equipment, offshore, logistics services, airport facilities, etc. Qingdao CIMC Reefer Container Manufacture Co., Ltd (QCRC) is a subsidiary company of CIMC which is committed to the R&D and manufacture of world-class refrigerated and insulated equipment. It is one of the most trustworthy reefer container suppliers for shipping companies and container leasing companies all over the world. For more information, please visit [www.cimc.com](http://www.cimc.com) and [www.qdcimc.com](http://www.qdcimc.com).

### About PTC (NASDAQ: PTC)

PTC helps companies around the world reinvent the way they design, manufacture, operate, and service products in and for a smart, connected world. In 1986 we revolutionized digital 3D design, and in 1998 were first to market with Internet-based product lifecycle management. Today, our leading industrial innovation platform and field-proven solutions enable you to unlock value at the convergence of the physical and digital worlds. With PTC, manufacturers and an ecosystem of partners and developers can capitalize on the promise of the Internet of Things and augmented reality technology today and drive the future of innovation.

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