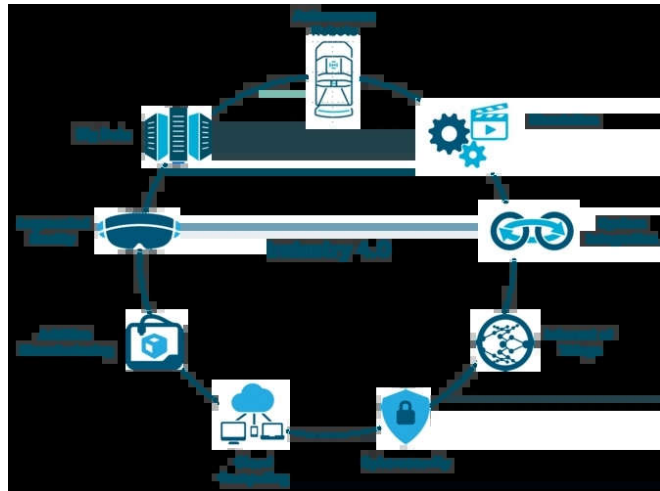# Automation
Industry 4.0

Industry 4.0

The so-called Industry 4.0 refers to the use of Cyber Physical System (CPS) to digitize and intelligentize the supply, manufacturing, and sales information in production, ultimately achieving

fast,
effective,
and personalized product supply.

Digital transformation will change the way enterprises create value for customers, and digital technology will reduce the resistance to business transformation or development.

Intelligent manufacturing and Industry 4.0 are Digital transformation strategies for industry

Our Offer
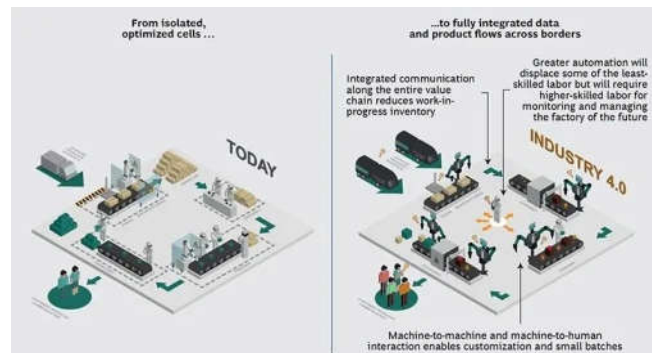
Industry 4.0 is fundamentally changing the way businesses manufacture, improve, and distribute products. Integrate new technologies including the Internet of Things (IoT), cloud computing and analytics, artificial intelligence, and machine learning into their production facilities and entire operations.

These intelligent factories are equipped with advanced sensors, embedded software, and robots that can collect and analyze data. These digital technologies improve automation, predictive maintenance, self optimization for process improvement, and most importantly, efficiency and unprecedented responsiveness to customers. So as to make better decisions. When the data of production operations is combined with the operational data of ERP, supply chain, customer service, and other enterprise systems, creating new visibility and insight from previously isolated information will create higher value.

Developing intelligent factories and analyzing the large amount of big data collected from sensors in the factory workshop can ensure real-time visibility of manufacturing assets and provide tools for performing predictive maintenance to minimize equipment downtime.

The use of high-tech IoT devices in smart factories can improve productivity and quality. Replacing manual inspection of business models with visual insights driven by artificial intelligence can reduce manufacturing errors and save money and time. With minimal investment, quality control personnel can establish a smartphone connected to the cloud to monitor manufacturing processes almost anywhere. By applying machine learning algorithms, errors can be immediately detected.

In terms of scope, manufacturing automation not only involves specific production and manufacturing processes, but also involves all processes throughout the product lifecycle.