GEA CODEX® ENTERPRISE CONNECT

Interconnection for real time production data.

GEA

Engineering
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world.
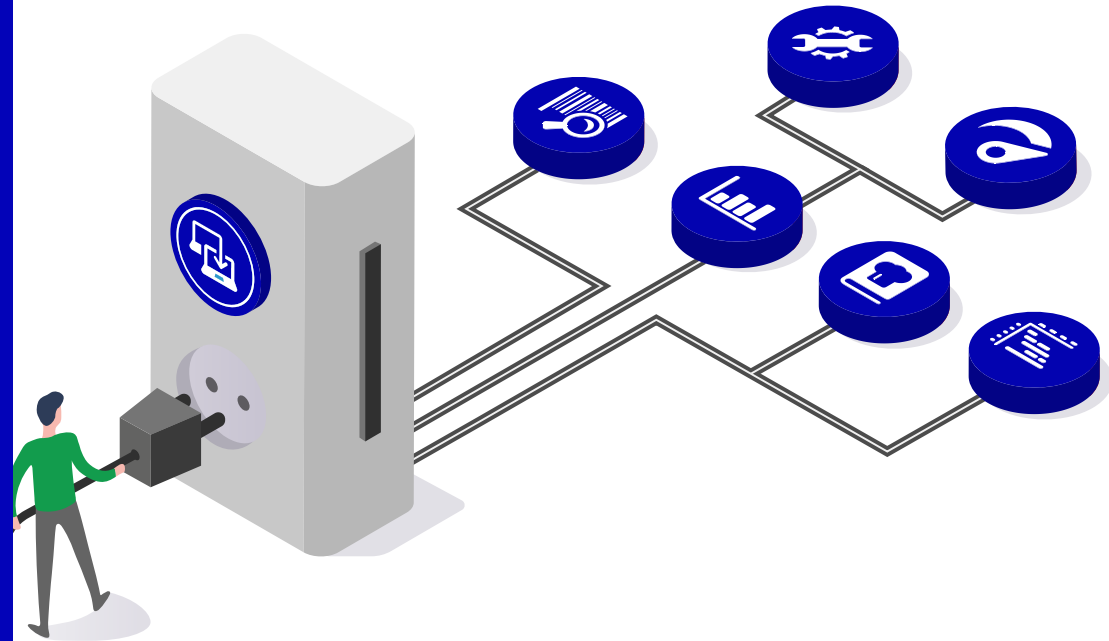
SINGLE POINT OF COMMUNICATION FOR GEA CODEX® MODULES.

The GEA Codex® Enterprise Connect provides a seamless integration between the operations department and the shop floor manufacturing system. Production orders and bill of materials can be downloaded to the control system from the customer ERP system. Real-time updates on product produced and material stock levels can be sent up to the ERP system.

Flexible configuration
It automatically keeps the ERP and other systems updated with the plant control system. It regularly calculates product costs, enabling users to keep track of current stock. The GEA Codex® Enterprise Connect software module facilitates the translation and exchange of real-time production data to the ERP level and can also process information such as ERP-originated orders or BOMs (bill of materials).

Multiple interfaces available
By seamlessly integrating with GEA Codex® modules, like GEA Codex® Recipe Manager and GEA Codex®

Traceability, data is converted into a standard format, optimizing resource planning, improving stock data accuracy, and eliminating manual entry errors. The data can subsequently be exported for use in other applications.

Accommodate production data
The system can also accommodate production data, including equipment usage, clean-in-place (CIP) process duration, and temperature readings, providing accurate updates from the shop floor.
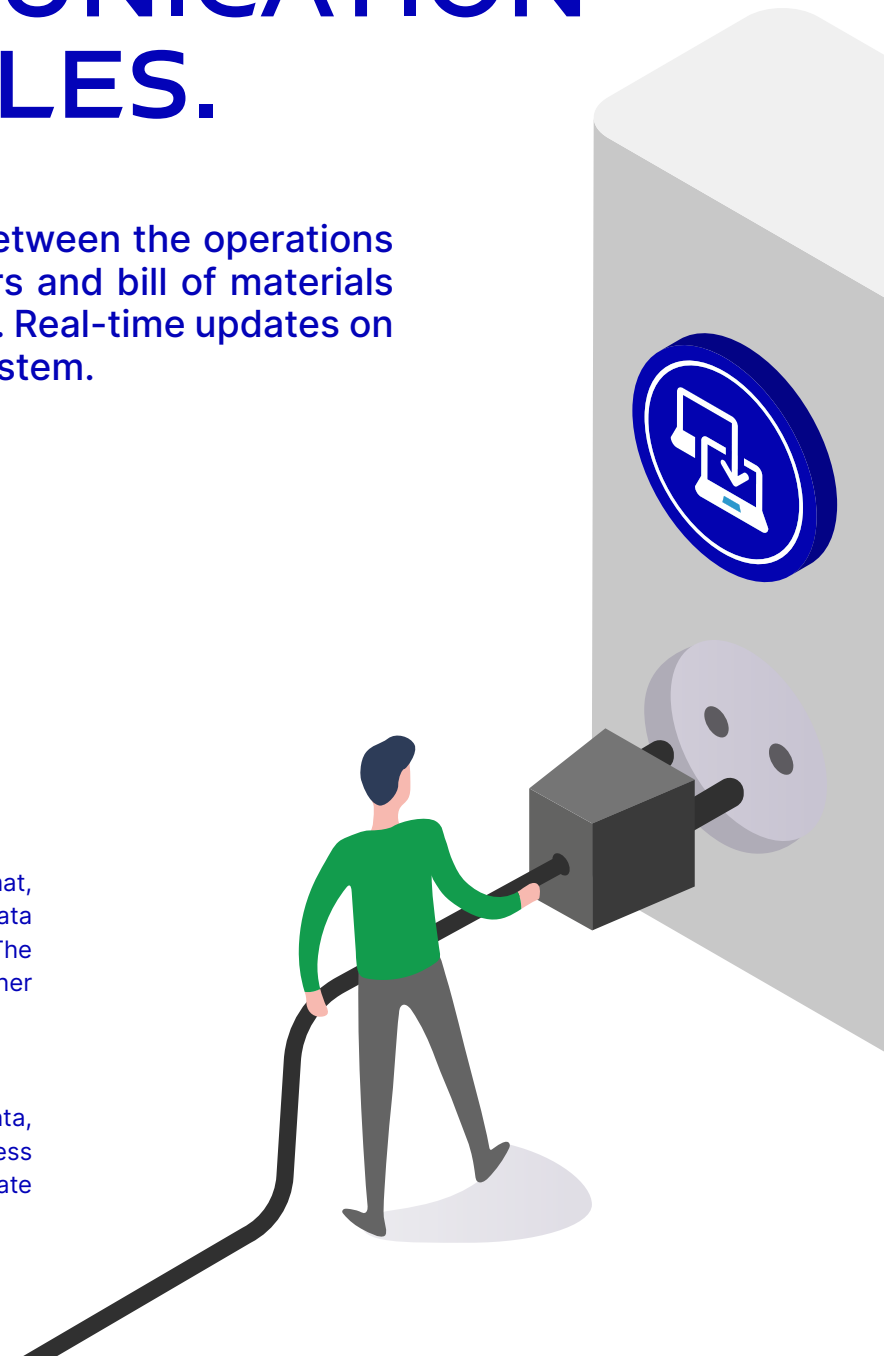
GEA Codex® Enterprise Connect provides an interconnected business to automation environment, functioning as an MES (manufacturing execution system) level broker and delivering multifunctional data for a variety of applications.

Your benefits:

- Small footprint with multiple data transmission interfaces, including REST API, Database Mesaging, and XML files, to exchange information with various external systems, such as ERP (enterprise resource planning), LIMS (laboratory information management system), or WMS (warehouse management system)
- Data synchronization enables systems to have a comprehensive view of production operations, including production orders, material availability, machine status, and quality control
- Reduced dependency on manual entries, enhances overall data integrity
- Enhanced production planning and scheduling, eliminating process bottlenecks with faster and accurate information
- Streamlined production order fulfillment, ensuring an efficient process from order to delivery
- Increased data-driven decision making. By combining data from different systems, organizations can gain valuable insights and achieve shorter reaction times for business decisions.
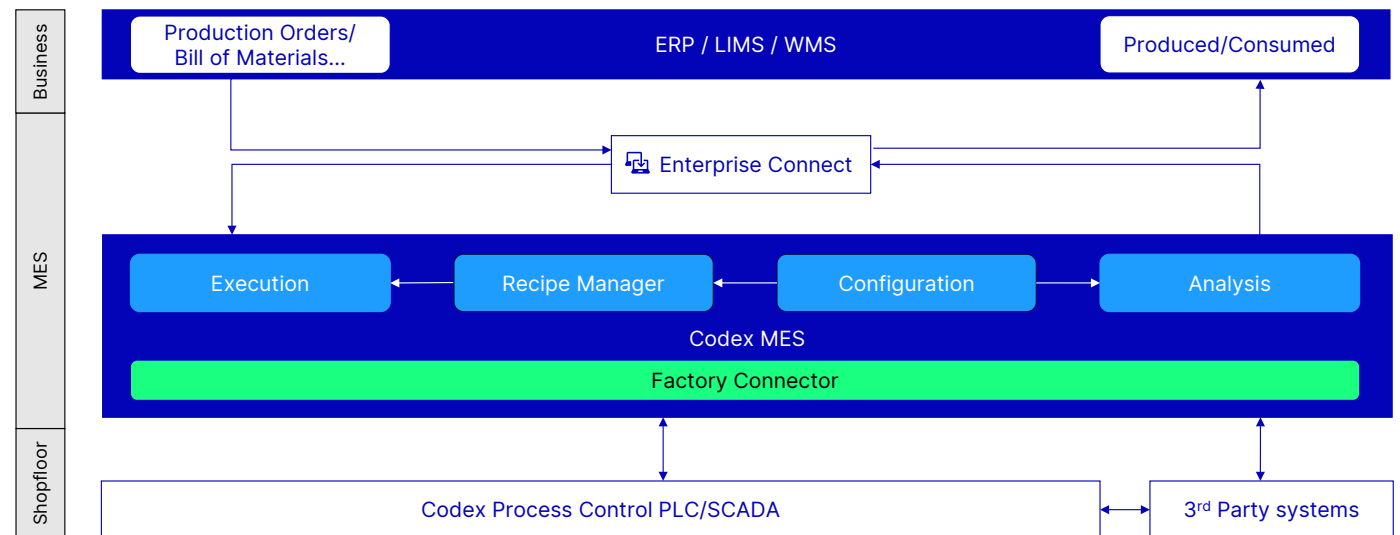
GEA Codex® Enterprise Connect communication overview

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