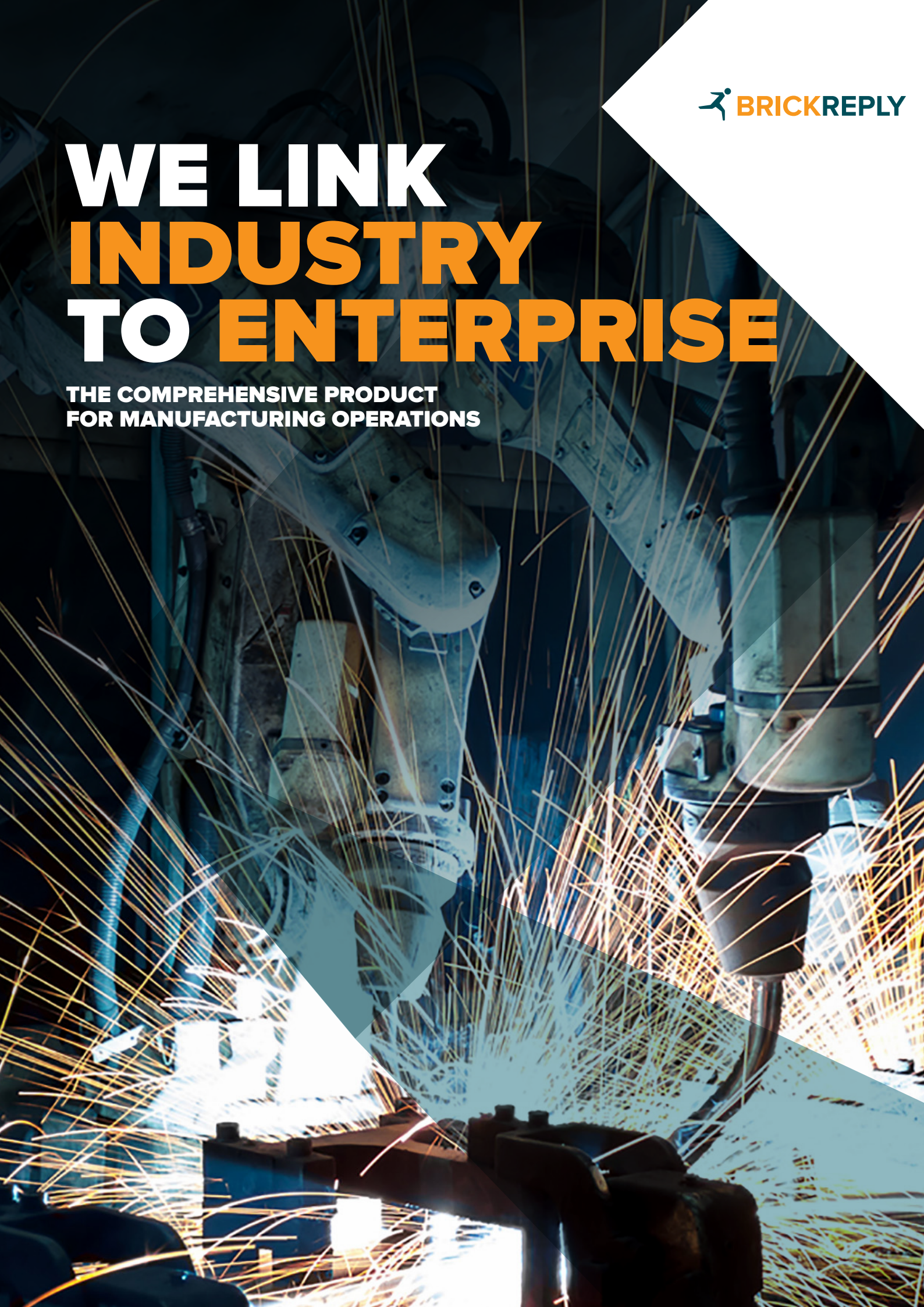


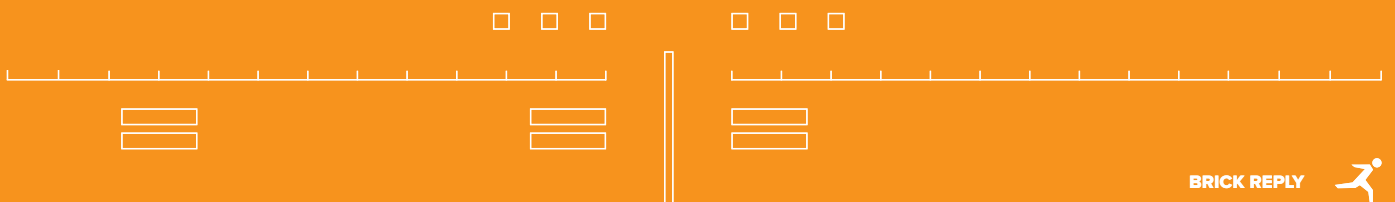
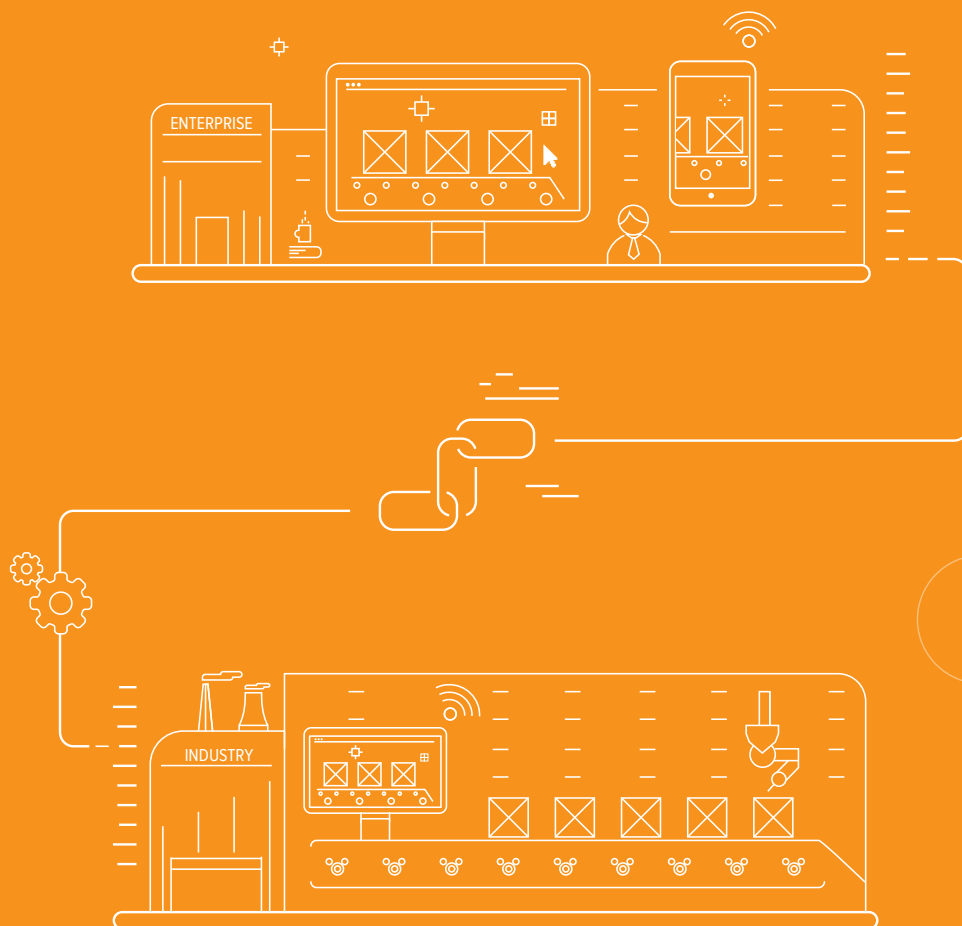
WE LINK INDUSTRY TO ENTERPRISE

**THE COMPREHENSIVE PRODUCT
FOR MANUFACTURING OPERATIONS**



INDUSTRY 4.0 READY!

DEvised, DESIGNED AND DEVELOPED
ACCORDING TO INDUSTRY 4.0 PARADIGMS,
BRICK REPLY IS A MOM (MANUFACTURING
OPERATIONS MANAGEMENT) PLATFORM
FOR THE MANAGEMENT AND CONTROL
OF A “**SMART FACTORY**”.



SMART FACTORY

Brick Reply is an enabling tool for Industry 4.0. In the first place, it offers ready-to-use, Manufacturing Operations functionality, from planning to execution through the different quality data collection and tracking phases, and at the same time, the platform is capable of enabling a complete integration between the shop floor level and the enterprise level.

The Brick Hub Connector facilitates the normalisation, through industry standards, of all information received from different field devices and makes such information available on the cloud, accessible from other production sites and analysable with predictive analytics and Machine Learning tools.

THE CONTEXT THAT BRICK REPLY IS ABLE TO SUPPORT IS A FACTORY ENVIRONMENT CONNECTED WITH THE OUTSIDE WORLD, WITH THE SUPPLY CHAIN AND OTHER COMPANY DEPARTMENTS.

The role of the new technologies adopted by the Brick Reply platform is crucial to achieving this goal: IoT, Cloud and Big Data are essential and enabling factors for Industry 4.0 paradigms.



CONNECTED SHOPFLOOR

THANKS TO THE BRICK HUB CONNECTOR, BRICK REPLY IS ABLE TO INTERFACE WITH DIFFERENT TYPES OF INDUSTRIAL DEVICES IN ORDER TO GATHER MEASUREMENT-RELATED INFORMATION, MONITOR ALARMS AND VERIFY SYSTEM PERFORMANCE.

The platform's flexibility and ease of configuration facilitate the management of communication and industrial processes through the different production units of a factory.

The Brick Hub Connector exploits the Fog Computing concept by centralising all the information acquired in the field, avoiding data redundancy and making the information available for process control and overall plant monitoring activities.

The information exchanged within the local network is converted by the Brick Hub Connector into IoT-compliant messages, stored on the cloud system. This data can subsequently be analysed and shared in order to improve the efficiency and effectiveness of the entire factory. The event-oriented application architecture enables asynchronous communication between machines, men and business processes.



INNOVATIVE

**INDUSTRY 4.0.
EDGE TECHNOLOGIES.**

CONNECTED

**PROCESSES AND THINGS.
LINKING INDUSTRY TO ENTERPRISE.**



OPERATIONS MANAGEMENT

Through the platform, Brick Reply facilitates the configuration of production processes, the definition of work sequences and the quantity and quality of data collected from production lines.

Brick Reply can be configured to operate in different settings, from Kanban environments based on work islands, to the management of traditional production lines. The factory layout can easily be modified and integrated within the specific product structure, whether defined within the ERP system or directly on the Brick Reply platform.

Thanks to its flexibility and ease of implementation, production managers can configure the factory production processes, define work sequences, as well as the quantity and quality of data collected from production lines. The adoption of universal, fast and intuitive user interfaces, integrated with multimedia-based context help features, minimises the operators' learning curve.

**EASY INTEGRATION IN EXISTING IT ENVIRONMENTS IS ENSURED
BY THE ABILITY TO COMMUNICATE WITH LEADING MARKET DATA
AND ERP PLATFORMS OVER MULTIPLE CHANNELS.**





BRICK REPLY IS AN INDUSTRY 4.0 MANUFACTURING OPERATIONS MANAGEMENT (MOM) PLATFORM, DESIGNED TO MANAGE PRODUCTION PROCESSES AND TO INTERFACE WITH MACHINES AND DEVICES FOR FACTORY MANAGEMENT AND CONTROL.

Brick Reply offers numerous application opportunities for the digitisation of manufacturing business processes.

Depending on individual needs, the platform can be used based on different levels of service and flexibility: from the cloud-based aaS (as a Service) model to the delivery of the product on dedicated customer infrastructure.



Hermes Reply is the Reply Group company specialised in innovative technological solutions, Application Maintenance services and process consulting in the Manufacturing field. The company operates as a System Integrator between ERP level and Shop Floor solutions, for a 360° management of production activities inside the factory, guaranteeing that customers achieve their business objectives.

www.reply.com
www.brickreply.com