Industrial^{IT} Solutions for the Life Sciences Industry

Partnership for Life Sciences

The world depends on the Life Sciences industry to sustain and improve the quality of life. This makes time a precious – and crucial – commodity in your success. Life Sciences manufacturers measure time to market in millions of dollars per day. Time to market is driven by such factors as the limited patent life of new drugs as well as the enormous resources needed for drug discovery. At the same time, typical business pressures like supply chain management, production management, and international competition can severely chip away at efficiency. The answer for meeting all of these demands, including regulatory compliance, is found in ABB's solutions for the Life Sciences industry.

As your company launches new products, ventures into global markets, and faces new regulatory and manufacturing issues, you can rely on ABB as your enterprise partner for:

- Bulk Pharmaceuticals and Biotech Production
- Manufacturing and Packaging Plants
- Medical Devices

Your Recipe for Improving Production

ABB's industry expertise, excellence in execution, and global resources guarantee stability and a continued commitment to innovation. ABB products are used by virtually all major manufacturers. With thousands of installations worldwide, we are the partner of choice for new plants as well as expansions and upgrades to existing facilities.

The core of our offering is ABB Industrial^{IT}. Industrial^{IT} is an integrated portfolio of products, services, and solutions that enables compliance with industry standards and regulations, including MCA, FDA, and ISA S88 for:

- Process and Lab Analytical Devices
- Instrumentation
- Fieldbus Technology
- Process and Building Automation
- Batch Automation and Recipe Management
- Manufacturing Execution and EBR Systems
- Packaging Systems and Robotics
- Clean Rooms and Building Management
- Drives, Motors, Power, and Distribution

Your Validation and Compliance Partner

ABB transforms regulatory challenges into compliance successes. We partner with our customers to enhance their businesses and to provide solutions to increasingly complex regulatory issues. ABB supports a full spectrum of compliance efforts – from clinical trials to API manufacturing to secondary manufacturing to medical devices to packaging – by providing:

- Certified quality assurance systems
- Project execution and product development methodologies that integrate validation activities throughout the system development life cycle
- Proven experience with all major Life Sciences manufacturers

From our membership in the GAMP Suppliers Forum to our current activities supporting clients as they develop strategies to ensure compliance with evolving regulations, ABB has consistently demonstrated leadership in an ever-changing regulatory environment. ABB consultants are recognized experts, and are regularly called to present at various forums and conferences around the world.

Experienced Teams

“Know the market, follow its demands, open up future opportunities for our customers.” This is our philosophy for creating value-based solutions. ABB’s expertise enhances your position in the global market place and offers a sound approach to risk management, including

regulatory monitoring and measurement. As the technological leader, ABB supports our clients with Industrial^{IT} products, systems and services for the optimization of processes, throughout the entire value chain.

From product delivery to turnkey projects, ABB Industrial^{IT} solutions for the Life Sciences industry are helping manufacturers with their most fundamental mission – enhancing and sustaining life – by improving operational efficiency, maintaining compliance, and increasing profitability.

Creating Value through Industrial^{IT}

Our Products and Solutions for the Life Sciences Industry

Process Control and Automation: Programmable logic controllers, process control and monitoring systems, Foundation Fieldbus, Profibus DP, HART and other fieldbus protocols, safety systems, SCADA systems

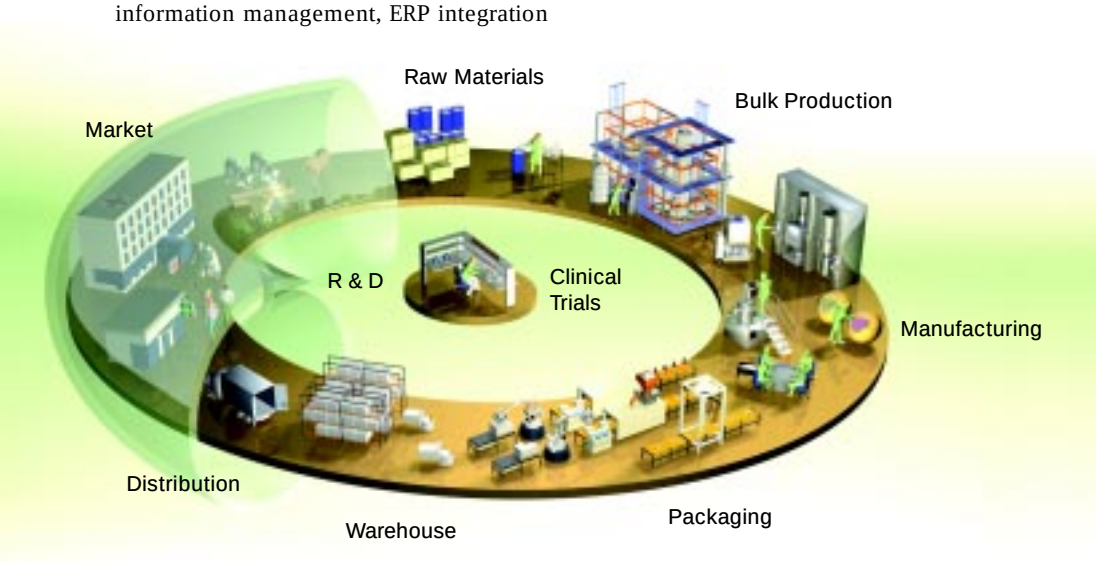
Instrumentation and Analytics: Temperature and pressure sensors, flowmeters, valves and connectors, FT-IR/NIR tablet and powder analyzers

Production & Manufacturing Management: Campaign and batch management, pharmaceutical MES, scheduling, process information management, ERP integration

Packaging and Robotics: End-of-line packaging including top and side loader, wrapper, bulk packaging systems, palletizing, robots

Power and Building Technology: Transformers, motors and drives, switchgear, motor control centers, building automation and management, clean rooms

Services: Validation and consulting, project management and engineering, assembly and installation, documentation and training, maintenance and customer support



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