

# Casos de Uso Bind SME IV

Nombre CDU	Descripción CDU	Posibles tecnologías	Ejemplos y aplicaciones
<b>Application of Cybersecurity in the company.</b>	Cybersecurity application in an integral way to the company, with special emphasis on <ul style="list-style-type: none"> <li>• Logical Cybersecurity: Cloud, online services and prevention</li> <li>• Physical Cybersecurity: Access control, plant and online security.</li> <li>• Securization of devices (machinery and equipment)</li> <li>• Cybersecurity from product design</li> <li>• Related certifications (e.g. ISO 27000 / 27001)</li> </ul>	Big Data Data Analytics	Access control and time clocking systems System and machinery protection against attacks Workplace security Data protection Integration of cybersecurity solutions in products at the design stage. Obtaining certifications
<b>Product development and evolution</b>	Product development specific to each SME, including: <ul style="list-style-type: none"> <li>• Lifecycle review</li> <li>• Inclusion of product intelligence and functionality</li> <li>• Application of data analytics</li> <li>• User experience analysis and improvement</li> <li>• Consumer preference identification</li> <li>• Product recommendation system</li> <li>• Product development and evolution</li> </ul>	IA IoT Big Data Data Analytics Mobile Apps Geopositioning Systems Embedded Electronics	Integration of electronics into end products for usage data collection and user experience improvement Integration of products with Apps for enhanced experience
<b>Evolution of management systems and tools</b>	Evolution of management tools and models, through tools such as: <ul style="list-style-type: none"> <li>• Management Systems that include demand prediction models, planning optimization.</li> <li>• Risk calculation models for predicting deviations in project execution.</li> </ul>	IA IoT Big Data Data Analytics	CRM, ERP, planners with AI assistants, planning optimization engines, risk calculation and prioritization models...
<b>Sensors, robotics, asset (machinery) analytics and quality control.</b>	Robotization and Sensorics: Evolution of production process through: <ul style="list-style-type: none"> <li>• Sensorization and applied machine analytics solution (maintenance, efficiency, optimization).</li> <li>• Advanced or collaborative robotics applied</li> <li>• Solutions for quality control (artificial vision, artificial intelligence, data mining).</li> </ul>	IoT Augmented, Mixed or Virtual Reality Artificial Vision Robotics	Vision quality control systems Integration of robots in production process Failure and rejection forecasting models in production process Machine downtime exploitation based on process data analytics



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<b>Digitalization and IoT</b>	Digitization and automation of the production or business process through IoT and other technologies in a comprehensive and transparent way for employees, including training and employee involvement. Traceability solutions along the value chain: unit information of each item, labeling systems, etc.	IoT Robotics AI LLM (Large Language Models) Special automation solutions	Document generation systems AI-based label generation systems Use of AI in administrative tasks Use of AI in routine customer-facing tasks Automation of manual workstations (bulk unloading)
<b>Reduced environmental impact</b>	Reduction of environmental impact, through: Ecodesign Reevaluation and reuse of materials and waste (discards). the application of technologies for monitoring, management or compensation of waste and emissions.	Big Data Data Analytics Specific techs	Application of circular methodologies (reuse of scrap)
<b>Carbon footprint management: Product Passport</b>	Management and obtaining of the Digital Product Passport to comply with European Regulations. Solutions for carbon footprint calculation (company and/or product level).	Big Data Data Analytics	Obtaining Product Passport (DPP) for products manufactured based on regulations. Solutions for calculating carbon footprint per product or company. Obtaining certifications
<b>Energy audit and performance improvement</b>	Systems, tools or methodologies for the energy audit of the company, identification of aspects to work on and improvement of global and specific performance by machine or process.	Big Data Data Analytics Specific software solutions	Obtaining certifications Performance of consumption Energy Efficiency Projects
<b>Integration of information systems in the value chain</b>	Integration of the different existing systems and assets, focusing on, among others: <ul style="list-style-type: none"><li>• Systems integration across the value chain</li><li>• After-sales service for connected products</li><li>• Application of maintenance, machine health and asset management methodologies (both in-house and customer)</li><li>• Process and infrastructure modeling (digital twin)</li><li>• Project coordination tools with other agents in the value chain (suppliers, customers...), integration of information along the value chain.</li></ul>	Specific software solutions Big Data Data Analytics Digital Twin AI System apification and Interconnection	Platforms for supplier or customer management Platforms for asset management (own or customers) Solutions and connectors for integration between platforms