THE ISSUE
Power transmission manufacturer Bondioli & Pavesi aimed for a complete digital integration of machines, lines, and 13 separate plants to increase productivity, reduce process inefficiencies, and gain an economic edge.

THE SOLUTION
Bondioli & Pavesi combined the physical and the digital to collect machine status and energy consumption from several types of production machines in a unique platform that can natively communicate with the ERP system. Developed with help from ABO Data, now part of Deloitte, the platform provides the company’s proprietary MES with the data it needs to improve operations, quality, and maintenance.

THE IMPACT
SAP Leonardo capabilities have allowed Bondioli & Pavesi to acquire data, including energy consumption, from different machines, standardize data in the cloud, and make it persistently available at factory sites.

Analytics automatically calculate equipment effectiveness, driving predictive maintenance decisions and empowering a statistical process control (SPC)-ready solution.

The solution is highly scalable, both in terms of number of machines connected and machine types.

Production information is available in the cloud, to provide full visibility across multiple plants.

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