

# How Can Intelligent Automation Streamline the Handling of Complex Materials Data?

Processing up to **10,000 product specifications** from vendors each year

Active in more than 100 countries, Evonik Industries AG provides specialty chemicals that help improve the performance of everything from tires to mattresses. To streamline the management of complex materials data, Evonik explored the use of process automation enabled by machine learning. Its proof-of-concept project focused on helping highly qualified purchasing personnel gather key characteristics describing the steel drums that are used to store specialty chemicals. The solution gave staff **more time to focus on high-value activities** and can be reused for other, even more impactful use cases with minimal IT intervention.



## A self-learning, scalable platform helped reduce manual data entry, **increasing staff productivity and improving data quality.**

Based on a proof-of-concept project conducted by SAP and SAP partner Camelot ITLab GmbH, Evonik Industries AG plans to deploy the **SAP® Data Intelligence solution** running on SAP Cloud Platform to:

- Increase accuracy of product specification data in the SAP ERP application by minimizing manual data entry
- Establish a self-learning solution that can trace back errors in materials classification
- Accelerate the processing of complex packaging specification information from vendors by a factor of seven
- Free expert staff to focus on value-added tasks, such as nurturing supplier relationships
- Reduce out-of-stock situations with more accurate orders based on correct packaging specifications in SAP ERP
- Cut the time needed for system maintenance tasks by 50% and for integration with enterprise solutions by 20%
- Improve compliance with the General Data Protection Regulation by maintaining critical data centrally
- Establish an architectural blueprint that builds expert know-how into machine learning and is ready for reuse in at least 10 other use cases with minimal IT effort

“We have witnessed efficiency improvements for data management as well as higher data quality. Using SAP Data Intelligence, we will continue our journey to **streamline the handling of complex materials data** across our business.”

Frank Schmale, Head of Enterprise Data Management, Global IT, Evonik Industries AG



Evonik Industries AG  
Essen, Germany  
[www.evonik.com](http://www.evonik.com)

Industry  
Chemicals

Employees  
32,000

Revenue  
€13.3 billion

Featured Solutions and Services  
SAP Data Intelligence, SAP Cloud Platform,  
and SAP ERP



Follow us



[www.sap.com/contactsap](http://www.sap.com/contactsap)

Studio SAP | 67097enUS (20/01)

© 2020 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platforms, directions, and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies.

See [www.sap.com/copyright](http://www.sap.com/copyright) for additional trademark information and notices.