

DR.VOLKER ERB AND MORITZ HAUS
Albert Invent Corp.; US-Oakland



ACCELERATING COATINGS INNOVATION WITH DATA MANAGEMENT AND AI

Digitalization and AI are reshaping the coatings industry by enabling accelerated innovation and reduced time to market. Key challenges, however, include the high-dimensional design space of coatings and the barrier for structuring complex data to be AI-ready. With a modern data management platform, companies can leverage AI to rapidly meet regulatory and sustainability requirements, facilitate material replacements for supply chain resiliency, optimize key performance properties, and reduce costs.

This presentation will feature success stories from Henkel, Nouryon, Applied Molecules, and more that demonstrate how a unified R&D platform can simplify the generation of AI-ready data, drive collaboration across thousands of scientists, and streamline formulation workflows. We will share specific examples of reducing development cycles from months to days, pushing product performance beyond historical limits, and unlocking an entirely new way of transacting business online. Regardless of how far along your organization is in its digital transformation, this session will offer practical use cases and key considerations for implementing an end-to-end R&D platform to modernize the way scientists invent coatings.