



TITLE: Building an E2E Digital Twin for Your Entire Production Process—As Simple as Stacking Lego Blocks

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ABSTRACT: The HPM (Holistic Process Modelling) platform provides a seamless workflow for creating end-to-end (E2E) digital twins of complex production processes. Users can upload data, build and assess models for individual production steps, and select the best-performing models for integration. Leveraging in-house statistical innovations currently undergoing patent preparation, these stepwise models can be reliably connected—much like assembling Lego blocks—while avoiding typical pitfalls leading to predictive bias, false coverage and artificially inflated uncertainty.

The resulting E2E digital twins enable data-driven comparison of production scenarios in development, support efficient root-cause analysis, and facilitate regulatory submissions through automated and standardized reporting within the HPM platform.