BUILDING AN ACTIVE GLOBAL COMMUNITY FOR A DIGITAL-FIRST APPROACH TO INNOVATION AND SUSTAINABILITY

EWAN COOK Process Development Engineer





Unilever



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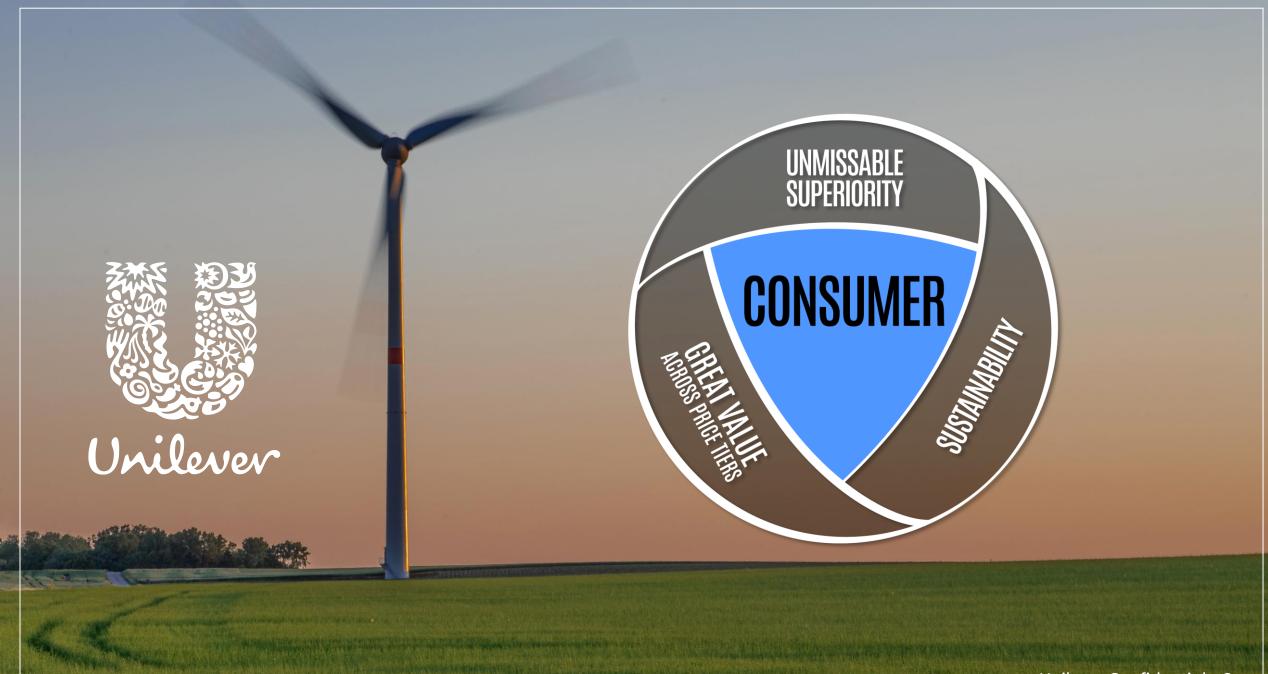
"One of the world's largest consumer goods companies with a portfolio of leading purposeful brands, an unrivalled presence in future growth markets, and a determinedly commercial focus as a sustainable business."

3.4B

people use our products every day Available in over **190** countries

€60.1B

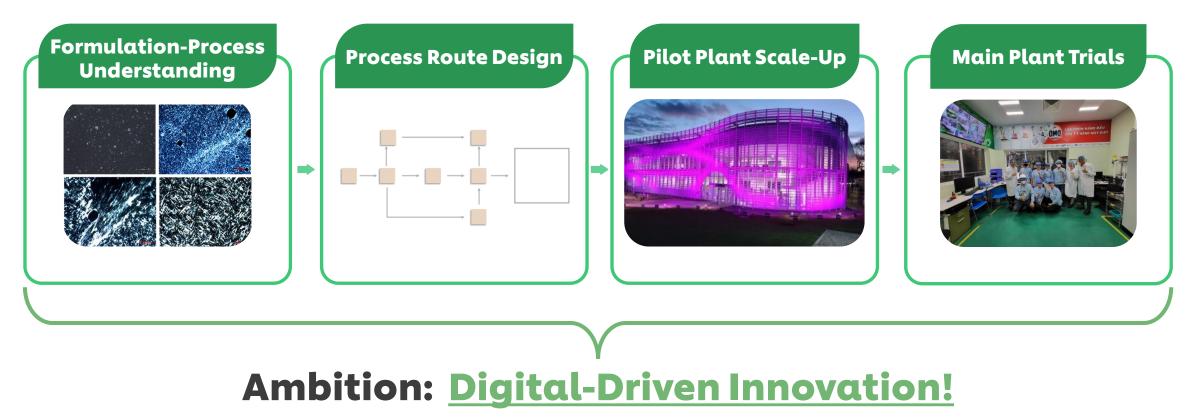
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Home Care Process Development



"Delivering our Clean Future strategy to factory-scale"



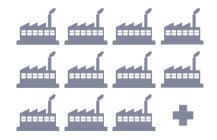
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Piloting a hypothesis-driven approach to DOE

New Formulation



11+ Factories

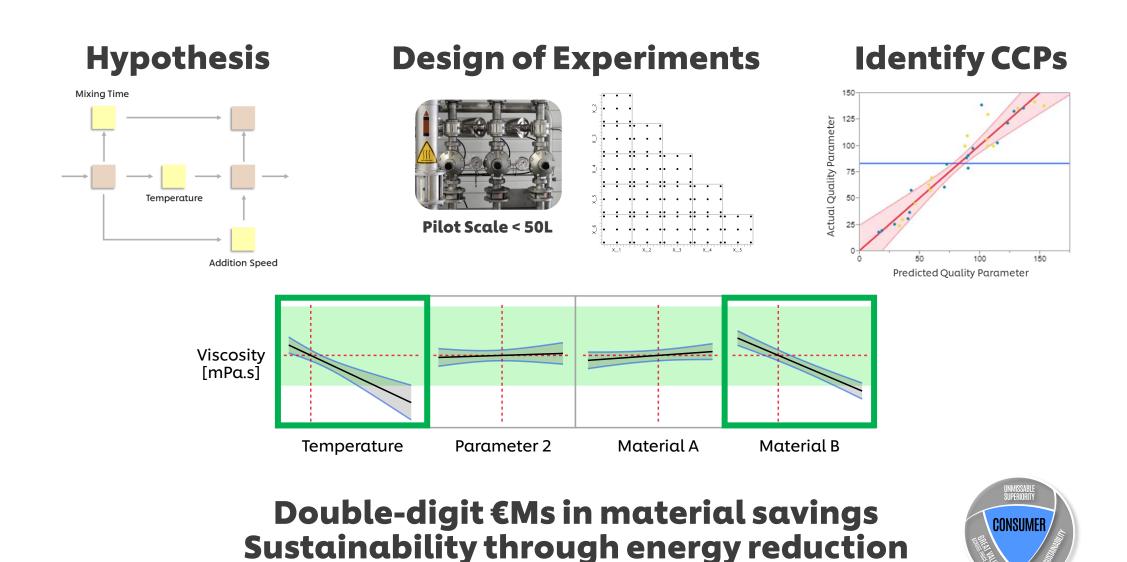


25+ Mixers

Global rollout: How can we optimise the process?



Piloting a hypothesis-driven approach to DOE



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Building an active global community: key skills for every engineer

Global Community of Practice



Building an active global community: key skills for every engineer

Global Community of Practice

20%

Shared Learnings

through regular sessions with all participants and mentors

70% Delivering Impact

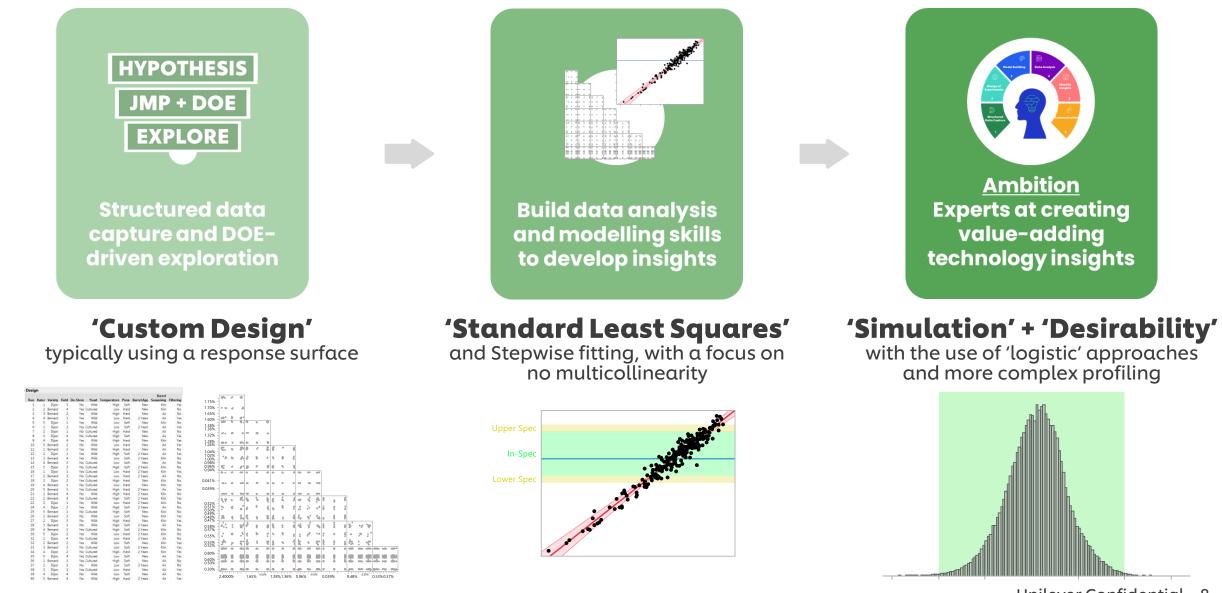
through key technologies in high-value projects

10%

Structured Training

led by JMP champions working within Home Care Process Development

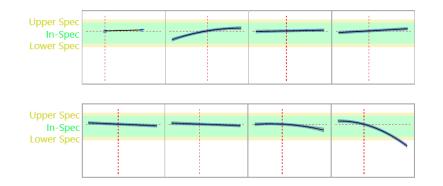
Building an active global community: digital-first approach

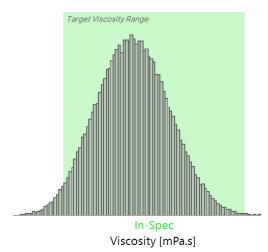


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Case Study 1 – Product Superiority







Characterisation

Modelling the formulation space built in-depth formulation understanding and led to an optimised product

Robust at Factory

Simulating formulation behaviour at our factories enabled multi-million euros in CAPEX avoidance

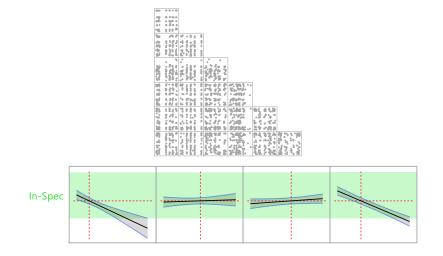


This approach built confidence in the right-first-time factory scale-up of high-performing, great-value products



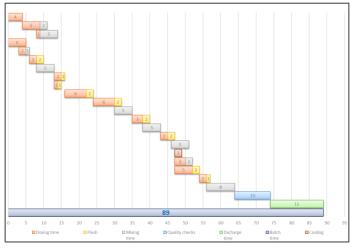
Case Study 2 – Value and Sustainability





Characterisation

Exploring product and process behaviour led to new technical insights and deeper chassis understanding



-26% Batch Time

Optimising the factory process unlocked batch cycle time savings, increasing factory make capacity

-21% Polymer

Profiling enabled us to maintain performance, reduce cost, and improve product sustainability

Key Learnings

Focus on high-value projects

helped us to create real business impact and bring stakeholders on board with a digital-first approach to innovation



Frequent presentations

by teams maintained the cadence of development, value creation, and the transfer of understanding to cross-functional teams



1:1 Mentoring

was an invaluable investment of resource in the early stages of our journey

Long-term commitment is key to successfully change ways of working

