



"What will matter most in the years ahead: speed and adaptability"



The Crisis in Consumer Goods

Performance analysis of **34 of the world's top 50** consumer goods companies shows that **85%** of those big companies had seen a **decline** in either revenues, profits or both. Only 15% managed to escape unscathed.

- Lower growth in previously booming developing-market economies
- For every large acquisition, there was a large consumer goods company selling or carving out a big part of its business
- Many product categories have gone through unprecedented levels of disruption
- The pressure and expectations from the market have intensified





"What will matter most in the years ahead: speed and adaptability"



Trends

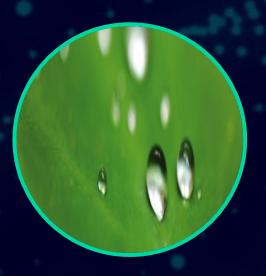
Consumer Products & Retail



Empowered Consumers



Personal & Connected Experiences



Sustainability & Responsibility



Population Growth & Rising middleclass in ASIA

Digital Transformations in the CP&R IndustryChallenges

Globalization and Personalization

Developing Markets will continue to grow, driving a strong need for localized product variants and consumers are looking for products that are tailored for them.

Sustainability

Respecting environmental limits is now considered a requirement of doing business. Proactive and purpose driven companies are winning.

Innovation

Consumers are demanding experiences vs. products. Everything is getting connected. Sustainability requires new materials. The internet enables small nimble companies to win.

Consumer Products & Retail

Industry Solutions

Integrated Lifecycle Management



Smart Product & Process Design



Production Design & Optimization



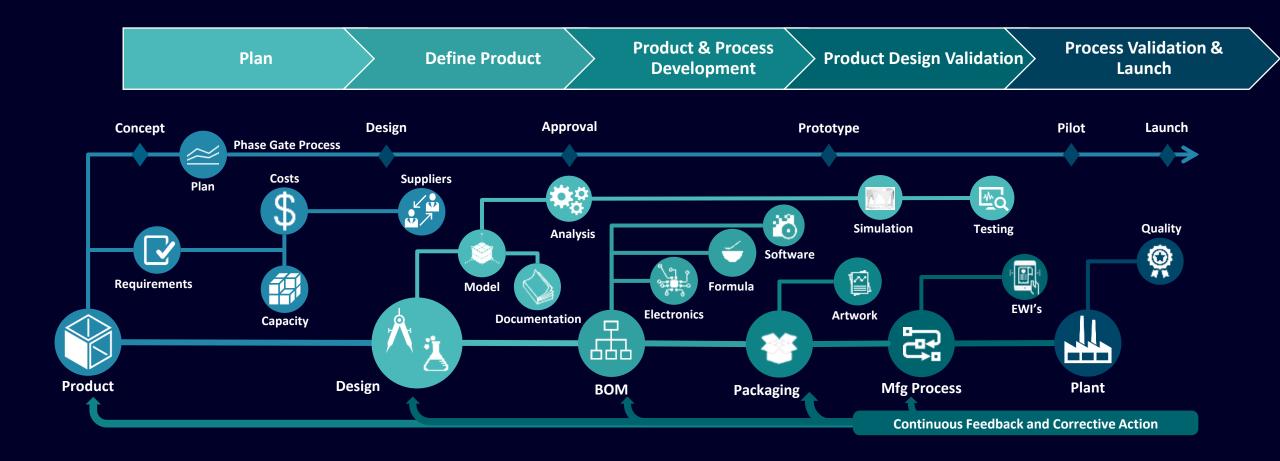
Flexible Manufacturing



Traceability & Lifecycle Intelligence



An Integrated approach Smart Product & Process Design

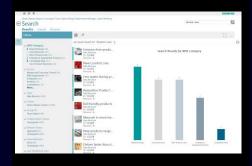


Product Development and Innovation in CPG Industry Five Foundational Pillars

Integrated
Program &
Lifecycle
Management

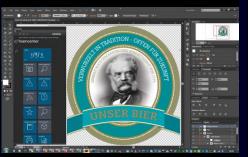
Formulated Product Design

Laboratory Information Management Artwork Development Package Design and Process Simulation





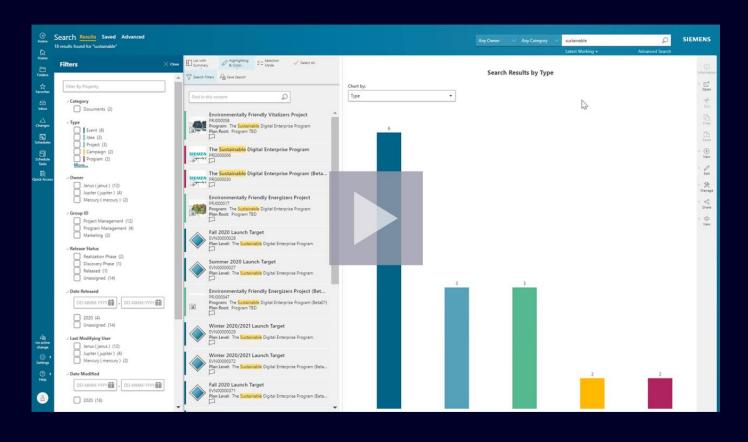






Program Lifecycle Management





Formulated Product Design



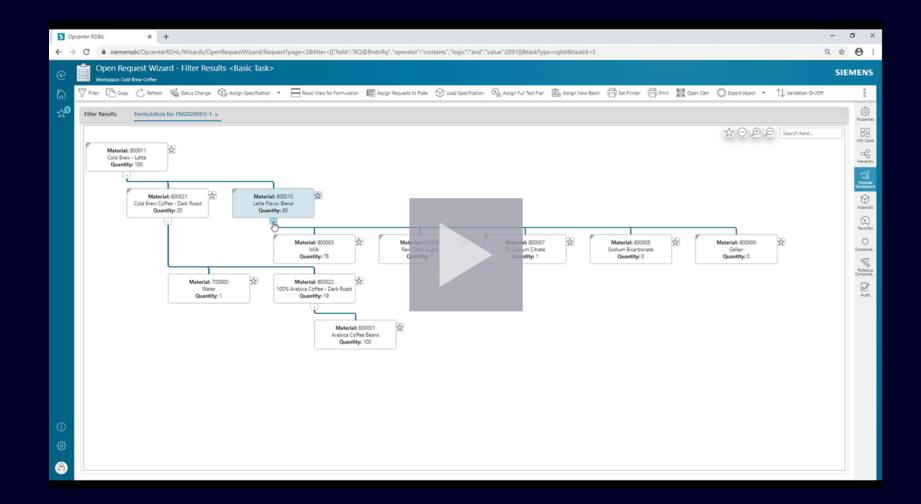












Laboratory Management Components



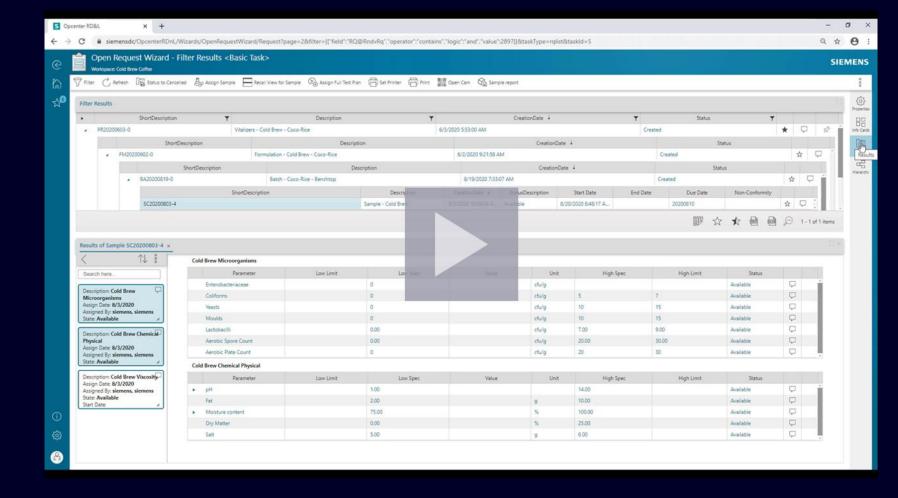












Artwork Development



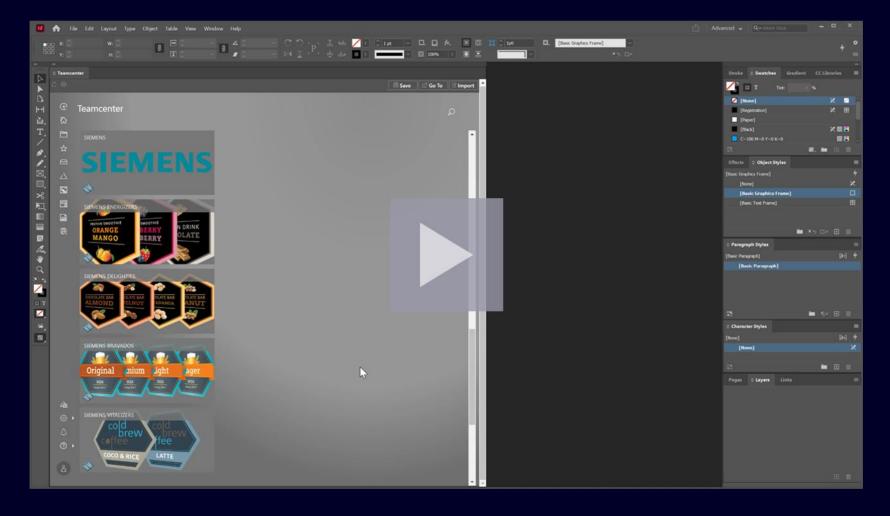




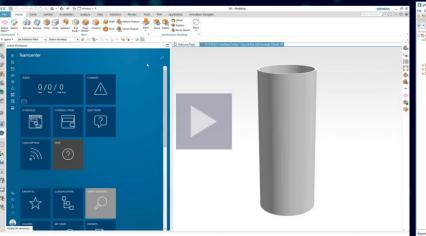


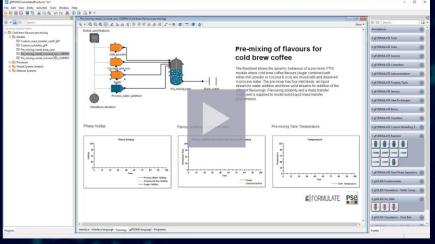


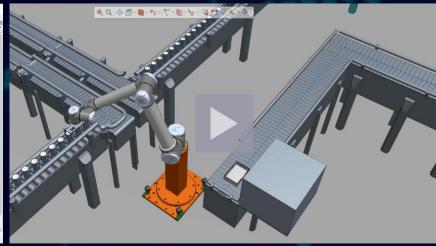




Package Design and Process Simulation







Product Process Production

Consumer Products & Retail

Industry Solutions

Integrated Lifecycle Management



Smart Product & Process Design



Production Design & Optimization



Flexible Manufacturing



Traceability & Lifecycle Intelligence



Integrated Program & Lifecycle Management



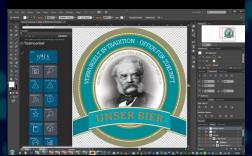
Formulated Product Design



Lab Information Management



Artwork Development



Package Design and Process Simulation



REAL VALUE FOR YOUR BUSINESS

meet the demand of personalized experiences; anywhere, all the time?



Smart Product & Process Design Value Creation

15-35%

Faster to Market

30%

Engineering Time Reduction thanks to Knowledge Transfer 50%

Processing Time
Reduction via greater
Operational Efficiency

\$ Millions

Savings Getting
full scale behavior right
first time for a new

product

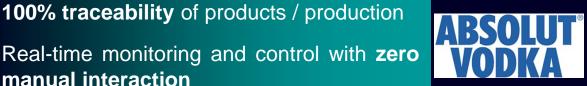
Customer References



Eliminate redundancies

Manage formulation and specifications

Single point of truth





12% increase in productivity

30% savings in tank filling time

20% reduction in planning time



100% traceability of products / production

manual interaction





20% Increase in Operational Efficiency

Optimization of supply logistics based on the current consumption and stock

Full integration between MES, LIMS & ERP **Automatic notifications and reports** Tasting procedure time reduced by 40%





Call to Action – Business Initiatives Assessment

Priority Scoping workshop



Value Map Solution Map



Scenarios



(Priority Definition)

Transformation Roadmap

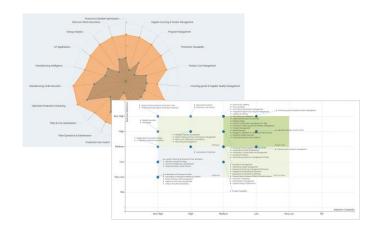


Business Relevance / Roadmap Phase



Maturity assessment (Benchmark)

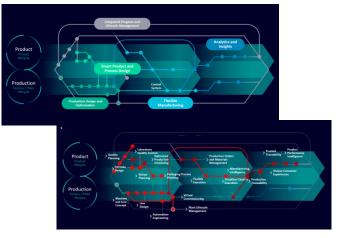




Digital transformation (Initiatives Map)



Digital Thread Prioritization





Let's talk about digitalization...



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