

IMPROVE EFFICIENCY, QUALITY AND PRODUCTIVITY IN CONSUMER PRODUCT DEVELOPMENT

CPG AND F&B / MANAGEMENT

Datasheet



Scientific teams working in the Consumer Packaged Goods (CPG) and Food & Beverage (F&B) industries often struggle to collaborate and innovate effectively in these fiercely competitive and fast-paced industry sectors. Disconnected, inefficient processes and the inability to leverage scientific data and knowledge often slows the development of new, high-quality products.

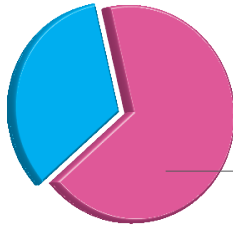
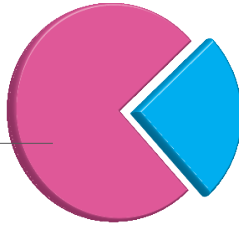
Scientists are challenged by:

- Many ingredients/formulations to synthesize and test
- High cost of physical experimentation
- Fragmented modeling workflows
- Inefficient, disconnected paper processes
- Inconsistent/duplicate/unnecessary test methods
- High late-stage failure rates
- Inefficient resource and material inventory management
- Complex local/global regulations, EH&S compliance
- Limited ability to leverage science across the product lifecycle

To address these challenges, CPG and F&B organizations need a strategic, trusted informatics partner that shares their vision and passion for shortening cycle times, reducing non-value-added activities, enhancing modeling workflows, improving quality/compliance, reducing safety risk and lowering costs across functional domains.

Transitioning to a digital technology platform is the first step in building a shared digital unified lab and modeling/simulation environment where R&D teams can collaborate effectively to bring better products to market faster, at lower cost and in a sustainable way that is completely auditable and compliant.

ACROSS INDUSTRIES, ABOUT **75%** OF PROJECTS FAIL TO EVER REACH THE MARKET



OF THE 25% OF PROJECTS REACHING THE MARKET, **TWO-THIRDS FAIL TO MEET THE COMPANY'S ORIGINAL EXPECTATIONS.**

Source: "Accelerating Science-led Innovation for Competitive Advantage," IDC Manufacturing Insights (2012)

Transformative innovation solutions from Dassault Systèmes BIOVIA turn the vision into action and results by electronically connecting predictive/collaborative science and the digital lab—empowering teams with diverse expertise to converge quickly on the right set of formulations and ingredients to get successful products to market faster.

FASTER BREAKTHROUGH INNOVATION

Organizations leveraging materials modeling and simulation technology (along with traditional experimentation) have realized a significant 3x-9x return on investment in these tools and associated expenses (IDC Chemical Industry Market Study #4158). Other BIOVIA-estimated value metrics include:

50%-65% reduction in project duration, including patent submission time
20%-25% fewer experiments
25%-30% decrease in raw materials

THE DIGITAL UNIFIED LAB

Implementing state-of-the-art digital technology in the lab can result in immediate productivity gains as scientists rapidly access and share previous work and collaborate more effectively with colleagues across global facilities. BIOVIA-estimated value metrics include:

60%-85% of experimental data reused
40%-50% reduced documentation time
20%-40% improvement in productivity



WHY DASSAULT SYSTEMES BIOVIA?

Dassault Systèmes BIOVIA is committed to enhancing and speeding open innovation, improving productivity and compliance, reducing costs and accelerating formulated product innovation from discovery to commercialization for science-driven CPG and F&B organizations.

Make your vision of scientific and consumer product advancements a reality through a business partnership and executive commitment with Dassault Systèmes BIOVIA. Harmonize current and future applications. Provide better access to excellent science. Improve collaboration. Connect ideas, data, models and people across the product value chain.

To learn more, visit 3dsbiovia.com

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