



# UNLEASHING SCIENTIFIC INNOVATION, QUALITY & PRODUCTIVITY IN CONSUMER PRODUCT FORMULATIONS



Profound and far reaching global trends are impacting formulated consumer packaged goods (CPG) and Food & Beverage (F&B) companies today.

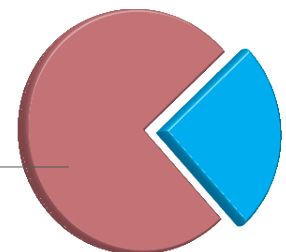
These challenges include:

- A billion new middle-class consumers in emerging markets
- Rapidly changing consumer preferences, including the “shift to value”
- The rise of e-commerce, the digital consumer and user-generated content
- The impact of shifting demographics on consumption patterns
- Increasingly complex and diverse industry regulations
- Growing supply chain volatility, driven by raw material shortages and supplier consolidation

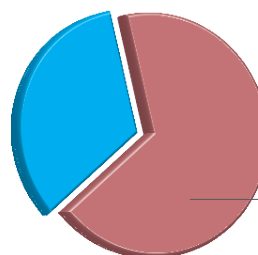
Now more than ever, CPG and F&B organizations need a strategic informatics partner that shares their vision for faster innovation and flawless execution in a digital, unified laboratory ecosystem that improves collaboration, agility, quality and

productivity. These are essential requirements for companies launching new consumer products designed to satisfy a broad spectrum of human needs and desires around the globe.

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.



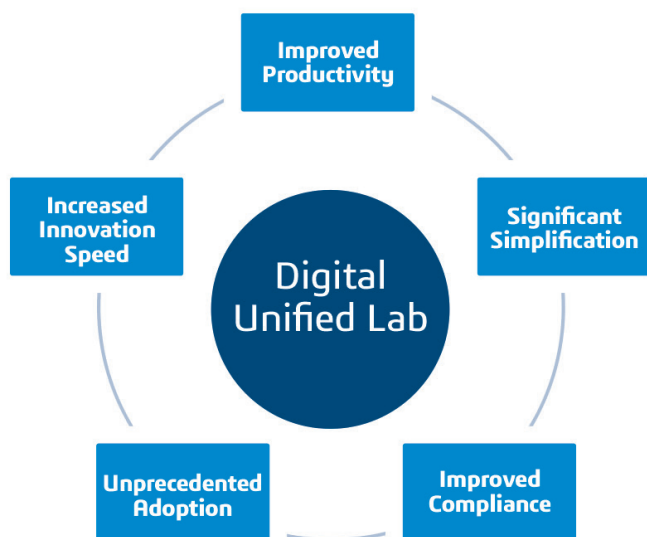
Transformative innovation solutions from Dassault Systèmes BIOVIA turn the vision into action and results by electronically connecting predictive science, collaborative science and the digital lab—empowering teams with diverse expertise to converge quickly on the right set of formulations and ingredients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

BIOVIA solutions can help reduce the weight of cat litter or deliver the next laundry detergent that uses less water. They can accelerate the launch of a new snack food featuring the latest regional flavor trend. They can lessen environmental impacts and save money by helping companies reduce carbon emissions and find new uses for materials that were once consigned to landfills.

### FASTER BREAKTHROUGH INNOVATION

Organizations leveraging modeling and simulation (along with traditional experimentation) have realized a significant 3x-9x return on investment with their modeling and simulation tools, as well as:

- 15%- 35% efficiency savings per user
- 50%-65% reduction in project duration, including patent submission time
- 25%-30% decrease in raw materials



### THE DIGITAL UNIFIED LAB

Moving to the digital lab can result in immediate productivity gains as scientists rapidly access and share previous work and collaborate more effectively with colleagues across global facilities. Organizations have leveraged BIOVIA digital unified lab solutions to achieve:

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

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

To learn more about what this means for you, visit the BIOVIA Solution Offering page for CPG.

### Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com).



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