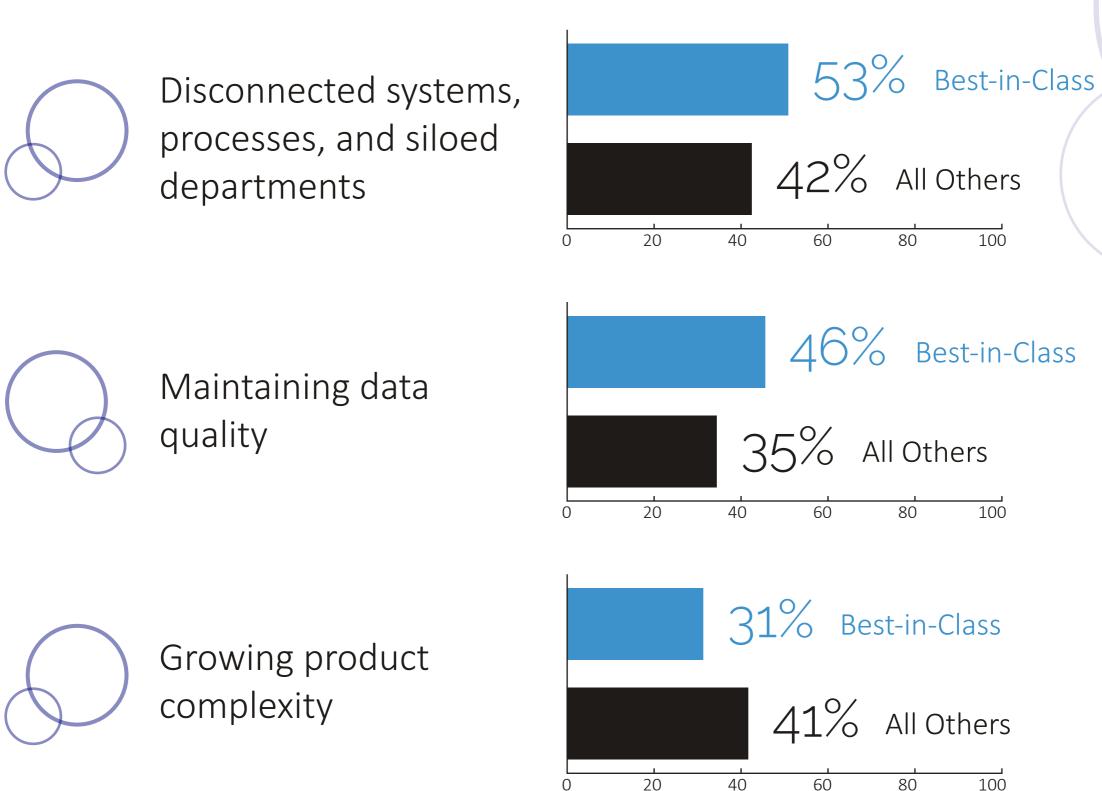


The Importance of Incorporating Quality Management into the Product Life Cycle

Delivering high-quality products while bolstering operations with more efficient machinery and software is top-of-mind for manufacturers and vital to successful digital transformation initiatives. A recent Aberdeen survey of 100 senior executives within large discrete manufacturing organizations revealed that automated quality services is most commonly cited as a critical feature of PLM systems (83%).

Challenges

Strategic quality measures come at a premium, in large part due to inherent challenges in today's product development processes. Best-in-Class discrete manufacturers cited the following as the "most challenging" roadblocks in their development processes:



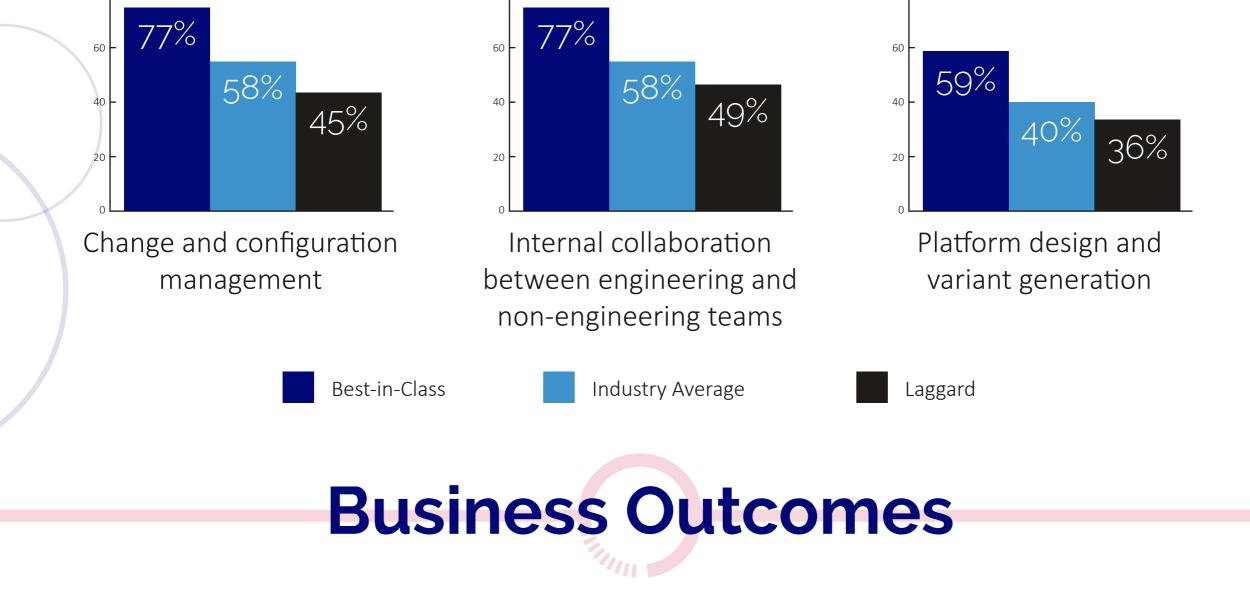
Best-in-Class companies are more likely to take a platform approach in

Dest Fractices

their design process to help generate, manage, and validate product variants, ultimately serving customers better while maintaining quality. Companies should employ Best-in-Class strategies to tackle these quality challenges within PLM:

80

35% All Others



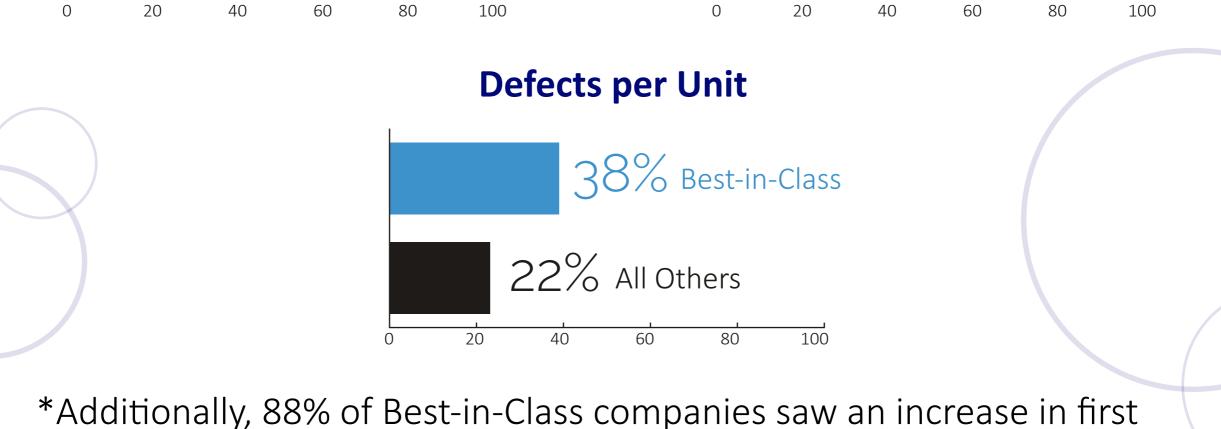
Focusing on quality helps to improve overall operational performance

satisfaction leading to better brand reputation and repeat purchases.

while decreasing related costs. The result? An increase in customer

The recognition of quality as a major value driver in the product environment leads to improvements in other key areas: **Warranty Cost Scrap and Rework** 59% Best-in-Class 38% Best-in-Class

43% All Others



companies are making updates to their quality processes, allowing manufacturers to produce more high-quality units. **Key Takeaways** Continuous access to quality data within PLM systems is ideal for

optimizing the entire product development cycle. When reflecting on

the importance of quality and the impact is has on PLM, there are

pass yield (see sidebar), making them 2.7x more likely to drive

improvement in this key metric — indicating that Best-in-Class

Senior executives view automated quality processes as critical

for driving performance. Top companies focusing on quality see major reduction in the costs of poor quality, including scrap, rework, line failures, and

Technology and process maturity are influential best practices

Summary

three aspects to highlight:

value drivers.

warranty claims.

Across the evolving manufacturing landscape, the need for automated quality processes tops the list as the most sought-after capability of today's technology platforms. Companies looking to enhance and extend governance and traceability initiatives should aim to achieve a Best-in-Class level of quality management to generate tangible

business results in cost, accuracy, and productivity. By placing quality at the forefront of their PLM implementation, manufacturers can reduce process and system complexity while advancing their enterprise digital thread initiative.