

Optimizing the cost of quality while meeting OEM requirements

Automakers face challenges

Achieve global scale	Increasing regulations	Focus on quality
Optimize operating footprint for global quality management.	Increased government regulations for safety, fuel efficiency and transition to zero-emission vehicles.	31 million vehicles were recalled during 2020. <small>Source: NHTSA</small>

Suppliers feel pressure to...

reduce costs	deliver faster	improve quality
Original equipment manufacturers (OEMs) and suppliers are challenged to reduce product and operating costs.	OEMs that focus on design, innovation and marketing outsource work to suppliers and seek shorter time-to-market.	50% of all quality costs can be attributed to suboptimal quality control, poor quality management and the lack of preventive measures. <small>Source: Manufacturing Execution Systems Association</small>

Complying with quality standards can enhance supplier productivity

<p>Product compliance with safety-related regulations has a large impact on perceived value.</p> <p>Brand damage and reputational costs can have a big impact on a company.</p>		<p>Reputation costs Companies can face a 20% drop in share price after a single major quality event such as a recall.</p>	<p>“When we were choosing a quality system we thought about the possibility of globally integrating it with our PLM and ERP systems. Only this kind of solution can improve the performance of daily work.”</p> <p><i>Ewelina Luszczek, Supervisor, Global Engineering Systems and Change Management Group Merit Automotive Electronics Systems</i></p>
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Siemens’ holistic quality solution helps suppliers meet their business objectives

> **Quality can be defined as an enabler of excellence.** The Siemens quality offering helps companies by supporting the entire product lifecycle. This holistic solution performs functions in all stages, positively impacting product and process quality and efficiency throughout the development process

> **Design for quality:** The quality of a product is already determined in the design phase so integrating quality early in the design process can provide a competitive and cost advantage

> **Quality planning:** Quality planning supports the entire product development process across the enterprise, providing traceability for all deliverables, enhancing collaboration between engineering, manufacturing and quality management

> **Quality execution:** A perfectly planned product requires well managed production and supply processes to achieve the desired quality

> **Quality improvement:** Quality improvement enables companies to record quality issues and complaints. Problem solving allows you to effectively find and eliminate root causes

Siemens’ holistic quality solutions enhance customer development processes in this digital era by helping to bring products to market faster while complying with norms and regulations.

Leverage a single homogeneous system	Industry expertise
<p>“An important aspect in our digital transformation is to set up a common approach for managing product information and improve collaboration across Cebi’s global network, in which all the actors bring in their added value to meet customer expectations in terms of product innovation and quality.”</p> <p><i>Paul Elvinger, Member of the Executive Board Cebi</i></p>	<p>By integrating quality processes and industry-specific requirements, you can take the first steps toward digital transformation and realizing a competitive advantage.</p>