SIEMENS
Ingenuity for life

Siemens PLM Software

Optimizing cost of quality while meeting OEM requirements

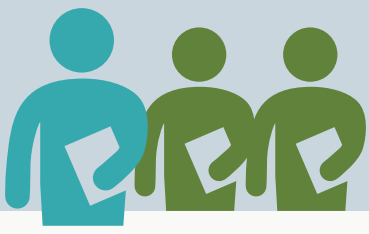
Automakers face challenges

Need for global scale

By 2030, **more than 50%** of new cars worldwide will be sold in Asia.

(Source: McKinsey & Company)

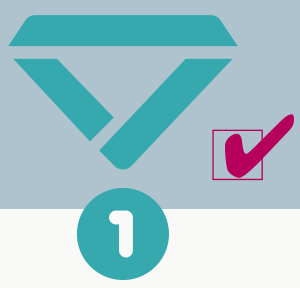
Increasing regulations



One in three automotive professionals believes that regulations have affected current vehicle programs.

(Source: WardsAuto World)

Focus on quality



60 million recalls in 2014 increased quality concerns.

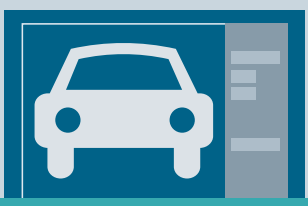
(Source: National Highway Transportation Safety Administration)

Suppliers feel pressure

...to reduce costs

86% of suppliers report intense cost pressures from OEMs.

(Source: Boston Consulting Group)



...to deliver faster

OEMs that focus on design, innovation and marketing outsource work to suppliers and seek shorter time-to-market.

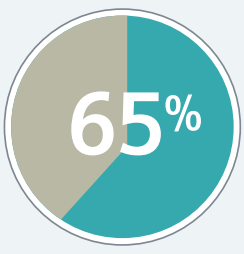
...to improve quality

$100+ million in recall-related costs could cause unbearable financial burden on suppliers.

(Source: Claims Journal)

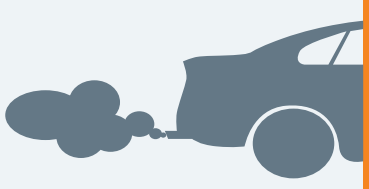
Compliance with quality standards is a productivity opportunity for suppliers

Product compliance with safety-related regulations has a large impact on perceived value.



In 2020, **65%** of vehicle added-value content will be due to fuel economy and safety-related regulations.

(Source: McKinsey Analysis)



"For automotive suppliers, process reliability, traceability and compliance with international standards are essential requirements for optimizing quality targets."

Dean Ding
Manager, Information Technology
Tianjin New Wei San Industrial Co., Ltd.

The Siemens holistic quality solution is key for suppliers that want to achieve their business targets

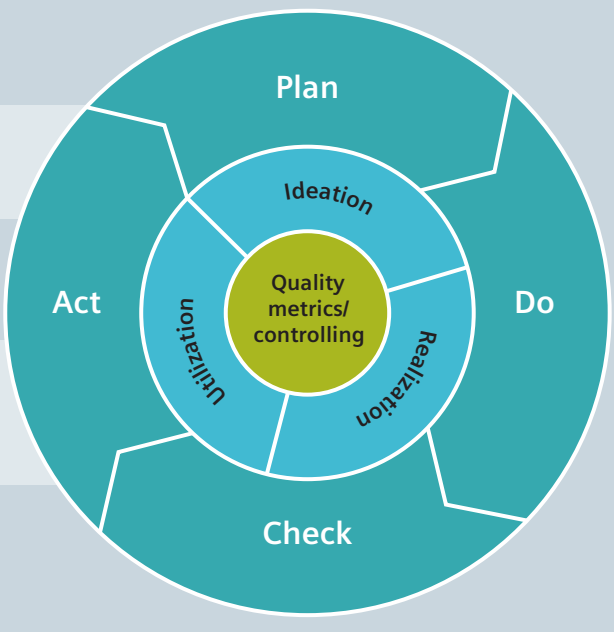
> **It is critical to have a holistic quality management system** throughout the product lifecycle to address manufacturing challenges

> **Quality planning begins** in the ideation phase during engineering and design when process optimization can be carried out

> **Quality control continues** in the realization phase during manufacturing because measurable production processes are necessary to achieve quality targets

> **Quality is key** in the utilization phase as the integrated and centralized exchange of information between customers and suppliers provides major input into the product design process

> **With Siemens QMS software,** you can detect risks and failures in design and manufacturing, initiate problem solving and continuously improve your product and manufacturing processes



Leverage a single homogeneous system

"An integrated quality management system, reinforced by a cross-company software solution, is indispensable in the planning, control and monitoring of process and corporate quality, especially among global enterprises. Individual, standalone solutions can be replaced with a single homogeneous system."

Dr. Roland Jochem
Professor and Head, Quality Science Department
Berlin Technical University

Industry expertise

Many of the top 100 auto manufacturers have an installed base of QMS products.

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