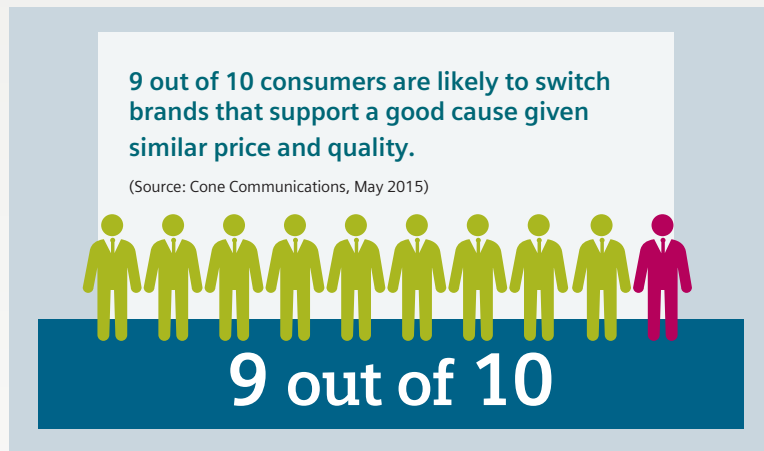


Green design with PLM

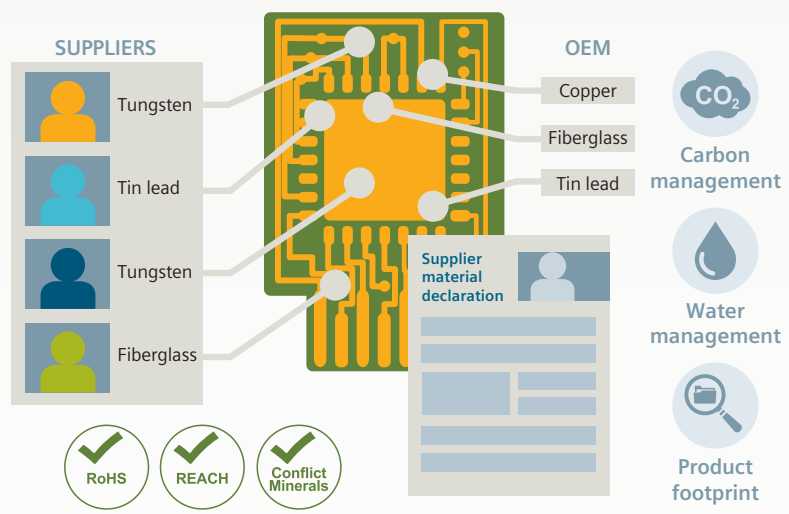
Introduction

Consumers demand greener, more environmentally and socially compliant products to protect the earth and mankind. Adopting strategies to enable the efficient design of green products can help manufacturers meet consumer and customer demands, comply with regulations, and create winning products.



Challenges

Green design and regulatory compliance requires complete visibility into your product makeup, which includes material and substance data. Supplied components in your product must also be accounted for, requiring material declaration data from your supply chain.



Methods

Provide a PLM-based framework for green design and product sustainability

- Integrated material and substance management
- Automated supplier disclosure
- Compliance grading and reporting
- Integration to Life Cycle Assessment (LCA) tools

To support green, environmental and social compliance objectives, companies need a sustainability framework built on a product lifecycle management (PLM) foundation that allows them to phase out non-sustainable components and materials, and design-in new and innovative "green" ones.

Management of material and substance information combined with core PLM

capabilities such as program and process management, configuration and change management, requirements management and document management, and supplier integration, along with integration to LCA tools, provides companies with an intelligently integrated solution to address current and future green design goals.

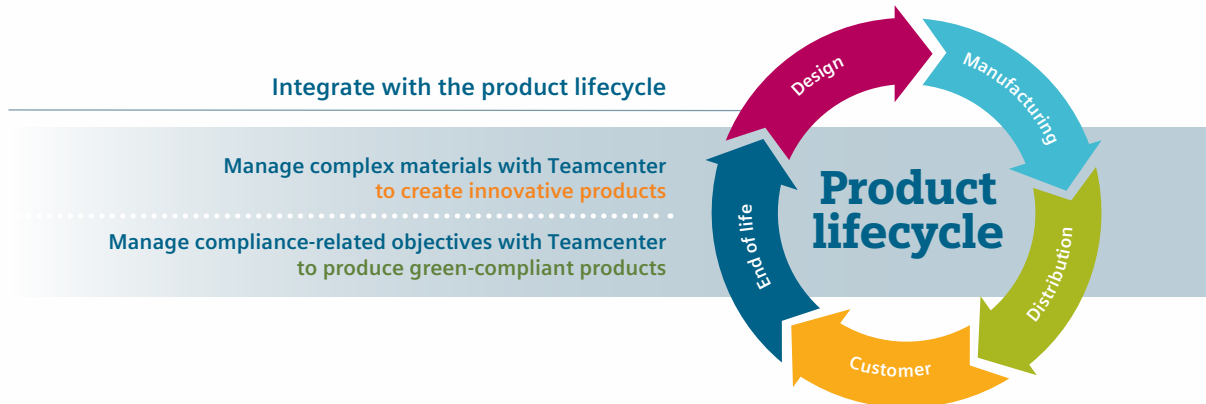


Results

Teamcenter® PLM software helps manufacturers meet their business objectives to produce green products by integrating green design requirements into the product development process.

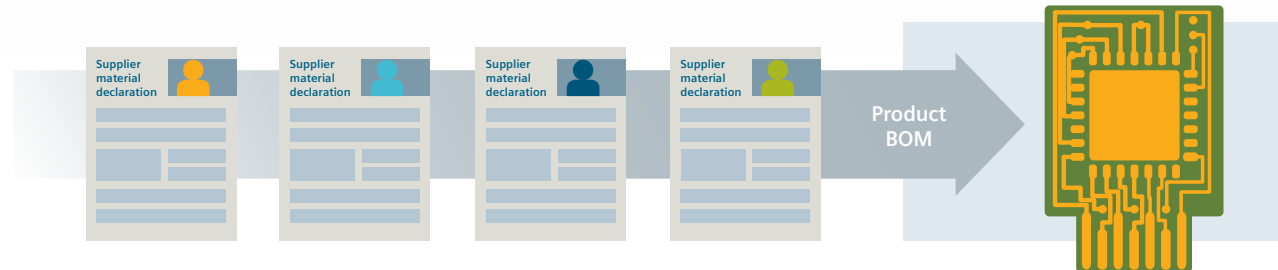
Teamcenter provides environmental compliance and product sustainability solutions to help manufacturers control and trace the material makeup of their products down to the substance level.

They can limit the use of hazardous substances in products and reduce the risk of noncompliance with regulatory directives (REACH, RoHS, Conflict Minerals, etc.).



With Teamcenter software's highly automated supplier disclosure processes, supplier material declarations are easily captured and validated, and once approved,

the materials are aggregated into the product BOM. This provides a more complete view of the product to support green design.



Conclusions

Manufacturers can address green design initiatives in the same PLM environment they use to accelerate product development. With Teamcenter, manufacturers can ensure that products are designed right the first time, thereby maximizing their return on investment.

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