HIGH-TECH INDUSTRY
KNOWLEDGE • PROCESS • VALUE

Compliance & Sustainable Development Solution

MANAGING MATERIAL COMPOSITION AND COMPLIANCE WITHIN REGULATIONS

This solution enables:

- Customer-specific and regional regulatory compliance
- Product compliance analysis throughout the product development process
- Early compliance issue resolution in the development process
- Maximization of compliant component re-use
- Rapid assessment of impact to products and suppliers when new restricted substances are identified
- Supply chain integration for the successful collection of compliance certificates and material composition
- Improved data quality by establishing a material collection standard across the supply chain
- Reduced response time for meeting customer environmental reporting requests

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REGULATORY COMPLIANCE AS A MATTER OF UTMOST IMPORTANCE

High-Tech companies with a reactive approach to meeting environmental regulations often experience costly, late-stage design changes because the requirements are not readily accessible at every phase of the product lifecycle. As society's emphasis on environmental and health concerns increases, governments will pressure High-Tech companies to adopt eco-design best practices. Eco-design integrates environmental considerations into product development, design, maintenance, and disposal.

This is especially true for companies who face the RoHS, WEEE and REACH regulatory mandates in Europe, and other similar initiatives in Asia and North America

The Compliance & Sustainable Development solution includes:

- Material declaration
- Material compliance assessment
- RoHS compliance management
- EuP (Energy-using Products) recycle content compliance

Compliance & Sustainable Development Solution Overview

As part of the Dassault Systèmes' comprehensive Product Lifecycle Management (PLM) V6 solution, the Regulatory Compliance solution enables High-Tech companies to implement "Design for Compliance" functions as an integral part of the product development process, allowing the development team to check material content information early on and throughout the product lifecycle.

Assess and resolve compliance issues early

With this solution, composition decisions for make/buy components are managed without disruption to production schedules as companies can easily assess their compliance against RoHS, REACH and other regulatory mandates in all of their operational regions. Moreover, this V6-based solution can be extended easily to handle special compliance needs in response to new and changing compliance regulations.

Check material content information

Throughout the product development cycle, the Regulatory Compliance solution enables High-Tech product development teams to check material content information from any design view and generate reports to compare the compliance of manufacturing equivalents, list recyclable content, or evaluate best and worst manufacturing locations. Users can cross-reference the information against multiple regulations in all geographies, allowing designers to make changes sooner rather than later. When requested, product compliance can also be reported to customers, auditors, or the public.

Suppliers incorporated into the material compliance evaluation

The solution incorporates suppliers into the same material compliance evaluation process as the OEMs. This action ensures that the suppliers' component libraries contain the most current material compositions and RoHS, REACH or other regulatory certifications. Such critical information helps the designers make better design decisions and component choices based on the customer or market requirements that the new product must meet.

Efficient supplier declaration approval process

A supplier declaration approval process improves data quality and efficiency. Establishing a material declaration collection standard across the supply chain also improves the supplier selection process by using performance metrics. When new restricted substances are identified, companies can rapidly access and manage the impact of the new rule to products and suppliers.

Identify and resolve compliance issues early in the product development process

Produced in collaboration with various global manufacturing companies, the Regulatory Compliance solution from Dassault Systèmes helps High-Tech companies maximize the re-use of compliant components and reduce the costs related to product compliance by identifying and resolving compliance issues early in the product development process. The net result is the ability for progressive High-Tech companies to deliver innovative and environmentally compliant products that meet global market demands.

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