PTC®

the product development company®

Windchill Compliance

REDUCE RISK WITH EARLY VISIBILITY INTO COMPLIANCE

Windchill® Compliance enables manufacturers to build compliance into the earliest phases of product development, so they can bring compliant products to market faster with less risk. Now you can reduce risk and meet your compliance objectives by identifying and resolving design issues and potential points of failure before they become costly problems in manufacturing or they cause serious recalls in the field.

The number of government regulations and customer requirements necessitating compliance due diligence and reporting keeps growing. So, what exactly are the costs if your products fail to comply? Blocked shipments, costly redesigns, and scrapped parts are just the tip of the iceberg. No doubt, the stakes are high—with potentially millions of dollars in lost revenue, plus tariffs, taxes and fees that go straight to the bottom line.

To avoid these costs, manufacturers must grade their products against numerous regulations and customer requirements, while keeping up with frequent changes in product designs, parts, suppliers, and in the regulations themselves.

Today, manufacturers must provide regulators with detailed reports demonstrating compliance with regulations such as REACH, RoHS, CPSIA, CA Prop 65, WEEE, RRR, Battery and Packaging Directives, conflict minerals, and trade compliance. These regulations require reporting on a product's restricted substances, recyclability, packaging, country of origin, safety, UL, ecolabeling and other critical regulatory obligations.

Enter Windchill Compliance (formerly InSight™ Environmental Compliance) – a world-class solution for tracking and managing the compliance of your products throughout the product development lifecycle. This solution is built on and leverages

Windchill Materials & Substances to capture supplier data and integrate with your existing enterprise systems for real-time bill-of-material (BOM) and product data.

Windchill Compliance provides current, accurate visibility of product compliance with regulations and customer requirements. Reports are based on actual product data, and demonstrate evidence of due diligence required for customers and regulators. It's an industry-proven enterprise solution used by leading manufacturers.

Disclosure	RoHS (C)	RoHS (I)	RoHS (S)	REACH (A)
	✓	✓	✓	✓
	⚠	⚠	⚠	✓
	⚠	✗	✗	✓
	✓	✓	✓	✓
	✓	✓	✓	✓
	⚠	⚠	⚠	✓
	✓	✓	✓	✓
	✓	✓	✓	✓
	✓	✓	✓	✓
	✓	✓	✓	✗
	✓	✓	✓	✓
	✓	✓	✓	✗
	✓	✓	✓	✗
	✓	✓	✓	✓

Track the compliance status of parts and products, relative to multiple standards.

Key Benefits

Reduce the risk of blocked sales, product redesigns, and other costs

With Windchill Compliance, manufacturers can view the compliance status of suppliers, parts and BOMs against numerous regulations and customer requirements. It provides the necessary supply-chain traceability and audit-trail history to prove compliance for regulators. Users can drill down into products to identify problems and view data confidence reports to assess risk. By analyzing compliance early in the product development process, manufacturers can resolve issues before they result in blocked sales or unexpected tariffs and fees.

Ensure products stay compliant and track evolving regulations

Managing compliance is not an event; it's an ongoing process. Windchill Compliance will help ensure that product portfolios remain compliant throughout the entire product lifecycle—as new products are introduced, and new materials and suppliers are qualified. As regulations such as REACH and RoHS evolve, and new restricted substances are identified and exemptions expire, your team will be kept up-to-date on the changes to requirements. Additionally, by tracking REACH suspect Substances of Very High Concern (SVHC), you can anticipate forthcoming regulation changes, monitor risk exposure, and maintain proactive compliance requirements.

Design for compliance

By making compliance data available in the earliest phases of product development—where decisions have the most impact and are least disruptive, manufacturers can bring compliant products to market faster and avoid unnecessary tariffs that can hurt the bottom line. With visual displays in Windchill Compliance, users always know the compliance status of their products. Having the power to analyze what-if scenarios will also allow users to explore the compliance status of design alternatives, resulting in better-informed decisions, fewer late-cycle changes, and reduced downstream costs.

Features

Environmental Regulations and Standards

Windchill Compliance provides customers with analysis and reporting to comply with today's key government regulations:

- REACH (Registration, Evaluation, Authorization and Restriction of Chemicals), including suspect REACH SVHC

- EU RoHS (Restriction of certain Hazardous Substances), China RoHS, and RoHS exemption management

- ELV (End-of-life Vehicle)

Additional analysis and compliance support is available for:

- The Joint Industry Guide (JIG)

- Global Automotive Declarable Substance List (GADSL)

- WEEE (Waste Electrical and Electronic Equipment)

- CPSIA (Consumer Product Safety Improvement Act)

- RRR (Reduce, Reuse and Recycle)

- California Proposition 65

- Halogen-Free

- Battery & Packaging Directives

- Conflict minerals

- Country of origin

- Customer-specific Requirements

Risk Management, Reporting and Analytics

Generate reports to demonstrate compliance and identify and mitigate risks early. Intuitive dashboards and status icons make complex analysis easy to understand.

- Patented algorithm provides the most accurate analysis of your product available on the market (with multi-source and multi-BOM-level analysis, best- and worst-case analysis, what-if analysis)

- Exemption management

- Forward-looking visibility into substances of concern, to address supply availability and risk

- Reports for assessing data confidence and risk in your products and supply chain

- Analysis of data disclosure: Yes/No Certificate of Compliance, partial disclosure (banned/reportable), full material disclosure

- Evidence of due diligence and an exhaustive audit trail that traces compliance status back to source data

- Identify the presence, masses and concentrations of substances and materials in parts and products

- Build your own custom compliance reports, or perform ad-hoc analysis to track and understand risk

Requirements & Platform Specifications

- Requires installation of Windchill Materials & Substances

- Server Operating Systems:

  - Microsoft Windows®: Windows 2008

  - Unix®: Solaris 10, HP-UX® 11i, Red Hat Enterprise® Linux 5

- Java: Java version 1.6 and higher

- Browser: Internet Explorer® v7.0 and higher, Mozilla Firefox® v3.0 and higher

- Database: Oracle® 11g R2, Microsoft SQL Server® 2008

- Languages: English, Chinese (Simplified and Traditional), French, German, Japanese, Korean

Systems Integration

Windchill Compliance builds compliance into the standard product development process. It integrates with design and supply chain data management systems, including:

- PLM: Windchill®, Teamcenter®, ENOVIA® and others

- ERP: SAP®, Oracle® and others

Learn More

For more information on Windchill Compliance, please visit: PTC.com/products/windchill/productanalytics

6287–Windchill Compliance–DS–EN–0211