

**CASE STUDY**

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# Location-Based Technology Provider

**Proactively Managing Compliance  
and Lifecycle Risk**

**ACCURIS**

An aerial night view of a city skyline, likely Shanghai, with numerous skyscrapers and buildings illuminated. A network of white lines and glowing nodes is overlaid on the city, suggesting a global or interconnected network. The lines form a complex web across the city, with some nodes appearing as bright white dots. The background is a dark, twilight sky over the city.

# Real-Time Risk Mitigation for a Complex Component Landscape

A leading provider of location-based technology solutions significantly enhanced its component compliance process by integrating Accuris Electronic Parts Solutions into its product lifecycle system. With over 40,000 off-the-shelf components and rising complexity in regulatory requirements, the company faced increasing risks

of compliance gaps and potential production disruptions.

By implementing Parts Intelligence and Parts API Integration, the company transformed its operations, reducing manual effort and proactively mitigating risks.

## Pain Points

- Manual part lookup across thousands of components
- Inability to proactively track regulatory changes
- Risk of production disruption due to non-compliance or part obsolescence

## Strategic Gains

- 86% increase in compliance documentation efficiency
- Proactive part lifecycle and compliance management
- Integration of real-time data into PLM system

**“ Our intellectual property is more robust, and our products continue to stay compliant to worldwide standards thanks to the Accuris database with the API feed. ”**



## The Challenge: Breaking the Cycle of Reactive Compliance

The company needed to ensure compliance with a complex and evolving set of global regulations, including RoHS, REACH, China RoHS, and US conflict minerals laws across a massive portfolio of over 40,000 off-the-shelf components.

With regulations changing frequently and varying by region, it faced the growing challenge of maintaining continuous compliance while minimizing disruption to production.

Compounding the issue was the manual nature of its previous approach. The company's staff had to look up part numbers one at a time or upload entire BOMs into their environmental management system, only to receive limited or outdated compliance data.

They were often reacting to regulatory changes only after they became urgent.

Manual processes also hindered lifecycle tracking. Without timely alerts, teams lacked sufficient notice about end-of-life components or obsolescence risks and were forced into time-consuming vendor searches for product documentation.

This reactive model introduced significant risks: from shipment delays at customs to costly redesigns triggered by discontinued parts.

The company needed a proactive, automated solution to stay ahead of regulatory shifts and component lifecycle disruptions.



## The Goals

- 1** **Ensure global compliance** by meeting environmental and humanitarian regulations such as RoHS, REACH, and conflict minerals laws across all product lines.
- 2** **Maintain uninterrupted production** by proactively identifying and addressing component-related risks that could lead to delays or redesigns.
- 3** **Gain comprehensive visibility** into component lifecycle status to support proactive planning and sourcing decisions.
- 4** **Eliminate inefficiencies** by replacing manual data retrieval processes with automated, real-time access to part information.

# The Solution: Accuris Parts Intelligence & API Integration

The company implemented Accuris Parts Intelligence and integrated it into its Oracle Agile PLM system using Accuris Parts API Integration. This enabled real-time access to accurate, compliance-rich component data across 37,000+ parts, covering 92% of their BOMs.

## Streamlined Data Integration

Through Parts API Integration, the company connected Accuris' continuously updated library of 1.2+ billion parts directly into their PLM system. This automated flow of structured data eliminated delays caused by manual updates and ensured system-wide data consistency for sourcing, compliance, and design workflows.

## Time-Saving Access to Information

By leveraging the API to instantly access detailed part data, such as lifecycle status, technical specs, and environmental compliance, the company reduced hours of manual effort and enabled teams to focus on high-value initiatives rather than data hunting.

## Boosted Compliance Confidence

With access to real-time regulatory and composition data through Accuris Parts Intelligence, teams could validate compliance with evolving standards like RoHS and REACH. This helped the company avoid costly delays at customs and prevent non-compliance penalties across global markets.

## Stronger Supplier Negotiation Position

Accurate lifecycle and availability data allowed the company to track EOL and obsolete components proactively. This visibility enabled early procurement of soon-to-be discontinued parts at better prices, reducing last-minute sourcing risks and strengthening supplier relationships.



## **The Results: Operational Clarity and Compliance Confidence**

With Accuris, the company realized transformative results across compliance operations, sourcing strategies, and product lifecycle management. By embedding real-time, structured part data directly into its enterprise systems, the company achieved measurable efficiencies and reduced the time spent on manual processes. Access to predictive lifecycle insights and compliance documentation enabled its teams to anticipate challenges before they emerged, improving both speed and accuracy in regulatory reporting and procurement.

The company also gained a strategic advantage through improved visibility across its component portfolio. Teams could act on proactive alerts about part status changes or upcoming regulation updates, helping them avoid costly redesigns and unplanned downtime.

These improvements enhanced resilience across global operations and reinforced the company's commitment to product quality and supply chain continuity.

# Turning Insight Into Action: The Key Outcomes



## **86% Reduction in Compliance Documentation Time:**

RoHS and REACH reporting turnaround was cut from weeks to under two business days, speeding up customs clearance and enhancing customer responsiveness.



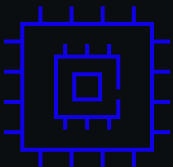
## **300–1,500 Manual Searches Eliminated Per Product Cycle:**

Replaced time-intensive manual lookups with real-time data access, freeing engineering and compliance teams to focus on higher-value activities.



## **Proactive Risk Management Enabled:**

Leveraged real-time alerts and predictive lifecycle monitoring to stay ahead of part obsolescence and regulatory shifts, reducing redesigns and avoiding costly disruptions.



## **Strategic Sourcing Optimization:**

Gained early visibility into EOL components to negotiate better pricing, secure stock in advance, and reduce emergency sourcing scenarios.

# Real-Time Data. Real Business Value.

The location-based technology provider's transformation highlights the impact of integrated, real-time component data on compliance, sourcing, and lifecycle decision-making. By eliminating manual inefficiencies and embedding predictive intelligence into enterprise systems, the company enabled teams to operate with greater agility.

With Accuris, the company shifted from reactive compliance and sourcing workflows to a proactive, data-driven model. Centralized access to lifecycle, compliance, and availability data allowed teams to anticipate risks and make smarter, faster decisions, reinforcing the company's commitment to innovation and operational excellence.

## Streamline your workflows with Accuris Electronic Parts Solutions

Discover how Accuris can help your organization improve efficiency, reduce risk, and ensure regulatory readiness with intelligent data integration.

Book a free parts analysis today and see why leading manufacturers trust Accuris to power their supply chain workflows.

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