



INDUSTRY
High-Tech

Reducing waste



BUSINESS BENEFITS
The solution, which uses commodity hardware and existing middleware technology, has reduced wafer rejection by 30%.

L&T Infotech worked with a global semiconductor company on an initiative to reduce waste and delivered a 30% reduction in wafer rejection.

THE CLIENT

Our client offers semiconductors and system solutions for automotive, industrial electronics, chip card and security as well as applications in communications.

THE CHALLENGE

Our client needed to enhance the yield of the semiconductor manufacturing process by reducing waste. There was high wafer rejection because of delays in the analysis of data captured from various instruments associated with wafer processing.

THE SOLUTION

To speed up data analysis, complex event processing of near real-time data feed from the manufacturing equipment was desired. Our solution allows for high throughput data acquisition using concurrent algorithms. The data acquisition systems gather data from equipment. This data is co-related and processed using a series of functions and algorithms. It is then analyzed for criteria to trigger corrective action from the feedback system. The real-time capture of data from all instruments uses the latest parallel processing technology and analysis is completed within a desired latency.

L&T Infotech is a 100% subsidiary of the US\$ 7 billion, technology-driven engineering and construction major, Larsen & Toubro. We offer comprehensive, end-to-end software solutions and services to leading companies across the globe. We provide the winning edge to our clients by leveraging our business-to-IT connect and deeply committed people.

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