



ecosystem.

# Future Forward: Reimagining Manufacturing

APRIL 2025



The Manufacturing sector, traditionally defined by stable processes and infrastructure, is now facing a pivotal shift. Rapid technological advancements and shifting global market dynamics have rendered incremental improvements inadequate for long-term competitiveness and growth. To thrive, manufacturers must fundamentally reimagine their entire value chain.

By embracing intelligent systems, enhancing agility, and proactively shaping future-ready operations, organisations can navigate today's industrial complexities and position themselves for sustained success.





# Key Priorities for the Manufacturing Industry in Asia Pacific



Source: Ecosystem, 2025

Here are recent examples of Manufacturing transformation in the Asia Pacific.





# Intelligent Automation & Efficiency

**Komatsu Australia**, a global industrial equipment manufacturer, tackled growing inefficiencies in its small parts department, where teams manually processed hundreds of PDF invoices daily from more than 250 suppliers.

**To streamline this, the company deployed intelligent automation – AI now extracts and validates data from invoices against purchase orders and inputs it directly into the legacy mainframe.**

The impact has been sharp: over 300 hours saved annually for one supplier, 1,100 invoices processed in three weeks, and a dramatic drop in manual errors. Employees have shifted to higher-value tasks, and a citizen developer program is enabling staff to build custom automation tools. With a scalable framework in place, Komatsu has not only transformed invoice processing but also set the stage for broader automation across the enterprise.





# Data-Driven Insights & Agility

**Berger Paints India Ltd.**, a leader in paints and coatings, needed to scale fast amid rising database loads and complex on-prem systems.

**In response, Berger Paints migrated its mission-critical databases and core business applications – covering finance, manufacturing, sales, and asset management – to a high-performance cloud platform.**

This shift boosted operational efficiency by 25%, doubled reporting and system response times, and enhanced scalability and disaster recovery with geographically distributed cloud regions. The move simplified access to data, driving faster, insight-driven decision-making. With streamlined infrastructure management and optimised costs, Berger Paints is now poised to leverage advanced technologies like AI/ML, setting the stage for continued innovation and growth.



**ORACLE**

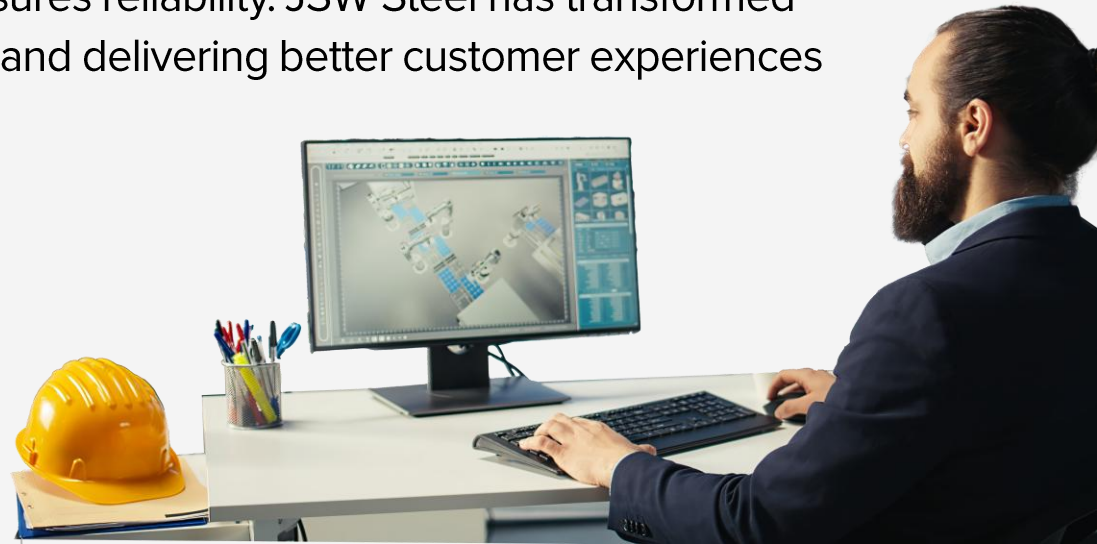


# Connected Operations & Customer Centricity

**JSW Steel**, one of India's leading steel producers, set out to shift from a plant-centric model to a customer-first approach. The challenge: integrating complex systems like ERP, CRM, and manufacturing to streamline operations and improve order fulfillment.

**With a robust integration platform, JSW Steel connected over 32 systems using 120+ APIs – automating processes and enabling real-time data flow across orders, inventory, pricing, and production.**

The results speak for themselves: faster order fulfillment, reduced cost-to-serve, and real-time visibility that optimises scheduling. Scalable, composable APIs now support growth, while a 99.7% success rate across 7.2 million API calls ensures reliability. JSW Steel has transformed how it operates – running faster, serving smarter, and delivering better customer experiences across the entire order-to-cash journey.





# Modernising Core Systems & Foundational Transformation

**Fujitsu General**, a global leader in air conditioning systems, was constrained by a 30-year-old COBOL-based mainframe and fragmented processes. The legacy system posed a Y2K-like risk and limited operational agility.

**The company implemented a modern, unified ERP platform to eliminate risk, streamline operations, and boost agility.**

By integrating functions across sales, production, procurement, accounting, and HR and addressing unique business needs with low-code development, the company created a clean, adaptable core system. Robust integration connected disparate data sources, while a central repository eliminated silos. The transformation delivered seamless end-to-end operations, standardised workflows, improved agility, and real-time insights – setting Fujitsu General up for continued innovation and long-term resilience.







# Powering Growth with a Modern Network

As a critical supplier to India's infrastructure boom, **Hindalco** needed to modernise its network across 55 sites – improving app performance, enabling real-time insights, and building a future-ready, sustainable foundation.

**Hindalco replaced its ageing hub-and-spoke model with a modern mesh architecture using SD-WAN.**

The new architecture prioritised key app traffic, simplified cloud access, and enabled segmentation. Centralised orchestration and SSE integration brought automation and robust security. The impact: 30% lower costs, 50% faster apps, real-time visibility, rapid deployment, and smarter bandwidth. Hindalco now runs on a lean, secure digital backbone – built for agility, performance, and scale.



**Hewlett Packard**  
Enterprise





For more Ecosystem  
Insights, visit



[info@ecosystem.io](mailto:info@ecosystem.io)



[www.ecosystem.io](http://www.ecosystem.io)

