CUSTOMER STORY

Aichi Electric modernizes operations for Japan's power grid

Moving from legacy ERP to the cloud



Overview

Aichi Electric powers future growth with Infor cloud infrastructure

Founded in 1942, Aichi Electric manufactures power equipment such as pole-mounted transformers to support power infrastructure, alongside producing industrial equipment including motors. With an aging legacy system showing signs of strain, the company launched a major digital transformation to move to a unified, cloud-based enterprise resource planning (ERP) infrastructure.

Challenge

Modernize a nearly 30-year-old legacy system and fragmented hardware facing imminent end-of-life support.

Infor solution

Implement Infor CloudSuite Industrial Enterprise to transition to a unified, secure cloud infrastructure.

Outcome

Improves production precision, centralizes data, reduces maintenance costs, and enables future scalability.



"We realized that if we stayed bound to our historical operational habits, there would be no future progression. Infor CloudSuite Industrial Enterprise resolves those issues in one fell swoop."

Yukinari Yokote
Director Managing Executive Officer
Aichi Electric

Challenge

Replacing a 30-year-old legacy setup to secure long-term system stability

Aichi Electric is often described as "the silent engine" of Japan's power grid. It specializes in the hardware that moves electricity around the country.

The company's BAAN IV production system first came online in 1999. Over subsequent years, heavy customization made the system cumbersome and expensive to maintain. By 2023, both hardware and software were reaching their limits for support, while the retirement of original personnel made knowledge transfer incredibly difficult. In addition, upcoming end-of-life pressures loomed large. Electronic Data Interchange (EDI) hardware was set to expire in 2027, and production hardware was set to expire in 2029.

Operationally, fragmented data across separate platforms, including separate customer and supplier masters, caused frequent data drift and consistency issues in day-to-day administrative work. Aichi Electric needed to modernize rapidly within a tight timeframe to secure its core business operations and eliminate system risks.

"Deploying Infor CloudSuite Industrial Enterprise has greatly enhanced the flow of information, from production to sales. The accuracy, speed, and real-time nature of the data provide immense value."

Yukinari Yokote
Director Managing Executive Officer
Aichi Electric



Infor solution

Embracing standard processes and architectural affinity with Infor LN

Aichi Electric has adopted Infor™ CloudSuite Industrial Enterprise (CSIE) as a next-generation platform that offers high compatibility with its legacy systems. The architectural affinity minimized the team's training burden and simplified data migration. The unified cloud platform is built for complex manufacturing needs and supports Aichi Electric's long-term growth ambitions.

Championed by executive leadership, the company pursued a top-down standardization approach, adapting its business operations to Infor's standard best practices while minimizing risky custom add-ons. By integrating its accounting functionality into the core ERP, Aichi Electric replaced its separately operated domestic accounting system, reducing redundant interfaces and manual work. The implementation followed a structured five-step framework from inception to optimization, backed by close cooperation between the joint project teams. Under a strict deadline, this helped eliminate bottlenecks through data cleansing and repeated rehearsals.



"Infor provided us with a clear framework for implementation. This framework allows us to see the big picture of the project while getting an overview of specific action items. The work required in each phase was crystal clear."

Yukinari Yokote
Director Managing Executive Officer
Aichi Electric

Outcome

Streamlining workflows and establishing an agile core for future innovation

Unified approach allows businesses to scale

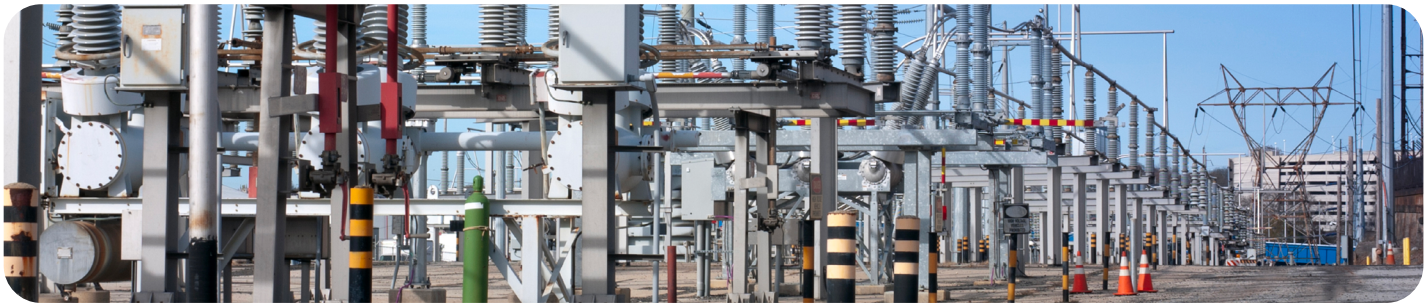
Aichi Electric has revamped its business processes, which were previously siloed across departments, establishing a unified approach across sales, planning, manufacturing, procurement, and accounting. By minimizing custom add-ons, the cloud-based system makes it easier to scale.

Centralized data strengthens decision-making

Centralizing customer and supplier master data enhances data integrity. Decision-makers across the business have faster, more consistent access to trusted data.

Feature-rich platform transforms user experience

Users now have access to modern features, such as advanced dashboards, web browser accessibility, and multi-site/multi-company management. Shifting from date-based planning to time-unit tracking minimizes planning gaps and improves production precision.



About Infor

Infor is a global leader in business cloud software products for companies in industry-specific markets. Infor builds complete industry suites in the cloud and efficiently deploys technology that puts the user experience first, leverages data science, and integrates easily into existing systems. Over 67,000 organizations worldwide rely on Infor to help overcome market disruptions and achieve business-wide digital transformation.

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