

PIONEERING TRANSFORMATION:

How Arista Consulting Enabled the First Global QAD Adaptive Rollout at Tenneco Wuhan

THE CHALLENGE

Tenneco, a global automotive tier 1 supplier, embarked on a digital transformation journey to modernize its ERP landscape and improve operational efficiency at key manufacturing sites. The Wuhan plant, part of the company's Braking division, was selected to lead the company's next phase of ERP modernization as the first site globally to implement QAD Adaptive. The plant needed to replace legacy processes, reduce reliance on manual and Excel-based workflows, and introduce modern warehousing and automation capabilities within the ERP. Given the scale and risk of a first-of-its-kind deployment, the initiative required a carefully executed implementation to ensure operational continuity and measurable efficiency gains.

THE SOLUTION

Arista Consulting was engaged to deploy QAD Adaptive at the Wuhan facility, marking the first-ever global implementation of QAD's newest ERP platform with integrated warehousing and automation functionality.

The project required replacing existing SAP-based warehousing functionality and consolidating several operational processes that were previously managed outside the ERP into a single, unified platform. The transition to QAD Adaptive involved a full-scale transformation of core operational processes—including warehousing, inventory movement, and automation—and required deep coordination between Arista, QAD, and the Tenneco team to align on system readiness, map SAP warehousing processes to QAD, and configure automation personalization under tight timelines.

During user acceptance testing, Arista also implemented automation-related personalization in real time, ensuring the system aligned closely with shop floor needs. This approach eliminated the need to engage a third-party provider for a bespoke solution, while establishing a standardized, scalable configuration within QAD Adaptive.

Throughout the engagement, Arista demonstrated a high level of responsiveness and flexibility. The team consistently kept timelines on track and ensured a smooth go-live, earning strong support from both the local plant and Tenneco's senior leadership.

“ Proud of the progress we continue to make in driving efficiency and positioning Tenneco Braking for a strong, future-ready transformation.

With the successful go-live of QAD ADAPTIVE at Braking Wuhan, the organization can now leverage Champion AI and AI-driven, agentic capabilities embedded directly within the ERP platform - a true game changer in how we operate, execute, and scale.

Outstanding teamwork, collaboration, and execution all around.

- Divisional CIO of Performance Solutions

ERP SYSTEM OPTIMIZATION

Arista successfully deployed QAD Adaptive as a fully integrated ERP platform at the Wuhan plant, replacing manual and Excel-based processes.

By embedding warehousing and automation functionality directly within the system, the implementation centralized core operations and improved data flow across departments, resulting in a noticeable reduction in process cycle times.

WORKFORCE AND PROCESS EFFICIENCY

By automating and simplifying routine shop floor activities, the implementation significantly reduced the need for supervisory oversight. Manual intervention in inventory movement and shipping was also minimized, allowing plant resources to be redirected toward higher-value tasks.

Together, these changes enhanced overall plant agility and responsiveness, enabling faster, system-driven operations.

RETURN ON INVESTMENT

By delivering full warehousing functionality in just one month, Arista accelerated time-to-value and enabled the Wuhan plant to quickly capitalize on its QAD Adaptive investment.

The team's ability to implement advanced capabilities on an aggressive timeline without exceeding budget highlighted both executional excellence and strategic value.

As the first global deployment of QAD Adaptive, the project set a new standard within Tenneco and created a proven model for future ERP rollouts across the enterprise.