Modernising for Scale

How TEKsystems Global Services Supported an E-Commerce Business Streamline, Secure and Simplify.

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Legacy System Migration Powers E-Commerce Transformation

Our client, a global e-commerce leader, embarked on a bold transformation by deprecating its legacy e-commerce platform. The existing infrastructure relied on outdated data formats, making product listing management cumbersome for sellers and stifling innovation. We executed an accelerated transformation programme that achieved comprehensive systems rationalisation over a 10-month period.

This strategic overhaul paved the way for greater agility, improved operational efficiency, and a more scalable foundation for future business growth.

What We Did
Decommissioned legacy systems to modern architecture.

Industry
E-commerce

The Challenge

Legacy Technology Transformation
Re-imagining Seller Experience Through Platform Modernisation

Our customer faced several challenges with their outdated legacy systems – compromised security architecture, limited cloud integration and mounting technical debt. The lack of modern features – such as secure isolation, streamlined dependency management, and cloud-native capabilities was also impacting both operational efficiency and the experience of their selling partners. These issues were also driving up costs, extending time to market and reducing competitive advantage.

Our Solution

Platform Modernisation
Architecting a Secure, Scalable Enterprise Platform Through Excellence in Delivery

TEKsystems Global Services partnered closely with the customer's cataloguing team to retire 20 legacy systems, eliminating long-standing technical debt and streamlining operations. By embedding expert engineering teams within client operations and facilitating strategic workshops, we fostered deep collaboration and executive alignment. This enabled us to co-create a scalable, future-ready platform that supports sustained market leadership.

Our iterative design and validation approach led to a next-generation cataloguing infrastructure, modern security controls, and advanced monitoring capabilities. The result: a rationalised system landscape, enhanced architecture, fortified security, and optimised operations – all tailored to the client's long-term technical vision and cultural context.

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Powering Innovation Through Strategic Modernisation
A Transformative Partnership and Foundation for Long-Term Scalability and Innovation

TEKsystems Global Services delivered a high-impact transformation that significantly enhanced cost efficiency, platform performance, and engineering productivity for our client.

- By modernising the platform with a Java upgrade, hosting costs were reduced by up to 50% while boosting scalability and responsiveness.

- The introduction of new APIs elevated user experience for both end users and vendors.

- To address the decline in Perl expertise, we minimised technical debt and modernised the codebase – resulting in a weekly savings of approximately 120 development hours and enabling a significant reallocation of technical resources toward strategic innovation initiatives.

With projected sales figures set to exceed £150 million over three years, this initiative not only streamlined operations but also demonstrated the strength of our global partnerships and alliances. It laid the foundation for future innovation and strategic growth, successfully culminating in further investment in the TEKsystems Global Services partnership.

Real-World Results

Our solution successfully modernised the seller portal, enhanced platform capabilities and significantly improved security and user experience.

More than a deprecation effort, this was a strategic shift to a unified future-ready architecture that simplified operations and created a level playing field for all selling partners while aligning with the long-term strategic vision of our client. The transformation delivered measurable impact: reduced operational and support costs, lowered time-to-list for partners, improved builder productivity, and accelerated innovation by eliminating inefficient systems and redundant processes.

Reduced host costs by up to	120	Technical debt reduced
50%	hours of development time saved per week	↓

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About TEKsystems and TEKsystems Global Services

We're TEKsystems. We accelerate business transformation for our customers. We bring real-world expertise to solve complex technology, business and talent challenges—across the globe. We're a team of 80,000 strong, working with over 6,000 customers, including 80% of the Fortune 500 across North America, Europe and Asia, who partner with us for our scale, full-stack capabilities and speed. We're strategic thinkers, hands-on collaborators, helping customers capitalize on change. We're building tomorrow by delivering business outcomes and driving positive impacts in our global communities. TEKsystems is an Allegis Group company.

Learn more at **TEKsystems.com.**