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From bottlenecks
to breakthroughs

How Tricentis and
TTC Global accelerate and
de-risk S/4HANA migrations

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Executive summary

The 2027 deadline for SAP S/4HANA migration is much more than a technical milestone — it's a strategic inflection point.

As SAP winds down support for ECC systems in 2027 (with extended maintenance until 2030), organisations face significant risk from delays, disruptions, or misalignment. These risks carry potentially serious and long-lasting operational, financial, and competitive consequences that can reverberate across the business.

For many CIOs and CFOs, this transformation is a board-level priority that will impact business continuity, customer experience, and long-term competitiveness. Whether your organisation is migrating through RISE with SAP or managing your own S/4HANA deployment, success depends on robust testing and business alignment.
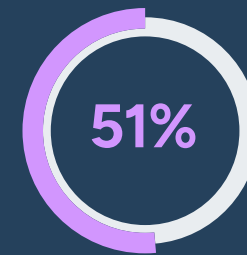
Seamless SAP Migration with Tricentis and TTC Global

Tricentis, a global leader in continuous testing and quality engineering, and TTC Global, a global software assurance provider, are here to guide your organisation through the critical migration transition.
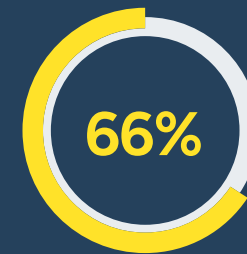
Together, we bring a unique combination of SAP transformation experience, proven quality engineering expertise, and industry-leading testing tools. Our collaborative approach ensures your migration is not just completed on time and on budget — it lays the foundation for long-term innovation, resilience, and enterprise-wide efficiency.

The results speak for themselves

According to an IDC report, organisations using Tricentis testing solutions reported the following:

51%
51% faster testing cycles

66%
66% faster defect resolution

$5m
Over $5 million in annual business value

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Running out of time — and resources

With mainstream maintenance for ECC ending in 2027, time is in short supply.

The SAP migration countdown: Time, talent and risk

43%	75%

Current risk - Nearly half of ECC customers (43%) are unlikely to complete their S/4HANA migration in time

Potential risk - As demand for SAP-skilled resources peaks — potentially reaching 75% of current levels — the talent gap will widen, straining delivery teams and inflating costs

Technology is only one dimension of the challenges facing businesses. A delayed or poorly executed migration can disrupt operations, weaken your competitive position, and create security and compliance risks. Missed deadlines may result in unsupported systems, increased maintenance costs, and unplanned outages that impact revenue and customer satisfaction.

In some cases, companies have been forced to freeze business-critical processes for days due to failed cutovers.

Others have experienced cascading integration failures when legacy interfaces weren't properly tested — bringing order-to-cash cycles, inventory management, or payroll to a halt. Even well-prepared teams can struggle with data inconsistencies or missing custom code, leading to costly emergency fixes in production. Without a robust strategy, what begins as a system upgrade can quickly escalate into a reputational and financial crisis.

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Where projects get stuck: Common bottlenecks in SAP migrations

SAP transformation is rarely straightforward. Many organisations encounter a familiar set of hurdles that slow progress and increase costs. Recognizing these common pitfalls allows organisations to plan smarter and avoid the disruptions that derail timelines, budgets, and stakeholder confidence.

Some migration bottlenecks that may arise include:

01 Complexity and scoping challenges

Poor scope definition is one of the most common pitfalls. Overlooking interface dependencies, underestimating data migration complexity, or assuming existing workflows will work "as is" in S/4HANA leads to delays, rework, and operational disruption. In fact, Deloitte notes that organisations failing to plan thoroughly for S/4HANA migrations can waste up to 25% of their budgets due to scope creep and rework. **We help organisations clearly define migration scope upfront — including integrations and workflow redesign — so projects stay on track and predictable.**

02 Business process validation

Too often, organisations treat validation as a final-phase task. But verifying that key processes work across modules, business units, and third-party systems must happen early and often. **TTC Global enables early and continuous validation to ensure end-to-end business processes function correctly — avoiding last-minute surprises.**

03 Custom code and data migration

Extensive ABAP customisations in legacy environments require impact analysis and reengineering. Failure to address redundant or non-compliant code leads to critical functionality gaps post-migration. **We apply impact analysis to identify what's reusable, what needs to be redesigned, and how to preserve business-critical functionality.**

04 Resource constraints

The scarcity of SAP-proficient talent — particularly those with both technical and domain knowledge — slows timelines and compromises test quality. **TTC Global helps bridge the gap by providing experienced QA consultants, automation specialists, and delivery support to keep momentum strong.**

05 Performance risks and regression testing

Functional readiness doesn't equal performance readiness. Without realistic load testing and regression strategies, seemingly minor issues can cause major slowdowns after go-live. **We provide early performance simulations and targeted regression strategies to protect the user experience post-go-live.**

06 Post-migration realities

Go-live is just the beginning. Inadequate change management, missing regression suites, and lack of post-migration validation leave organisations exposed to costly disruptions. **We ensure organisations have reusable automated assets and change validation tools to maintain business continuity beyond Day 1.**

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How quality engineering overcomes migration bottlenecks

Quality engineering, when done right, prevents pitfalls from becoming project-ending problems. Shift-left testing strategies allow QE and testing teams to detect issues early, during planning and design phases — rather than in production.

By integrating testing into every phase of the migration lifecycle, organisations gain earlier visibility into risk and faster paths to resolution. It's not just about detecting bugs; it's about giving the business the confidence to move forward.

Effective quality engineering from the beginning leads to faster decision-making, fewer production issues, and less disruption across business units.

The company's approach to AI-powered quality engineering helps enterprises manage complexity and scale with a suite of tools that ensure quality at speed. Tricentis Tosca accelerates regression cycles, Tricentis NeoLoad ensures systems meet performance requirements, and Tricentis Data Integrity validates pre- and post-migration data accuracy. Tricentis LiveCompare helps teams focus their efforts with impact analysis that highlights what to test — reducing waste and shortening timelines. These tools reduce effort and deliver clarity and speed, so your team can focus on what matters most: keeping the business running and competitive.

Efficient testing, confident results

Risk-based testing and AI-powered insight improve precision. By understanding which processes and components carry the greatest business risk, QE teams can prioritize testing for high-impact areas and deliver greater confidence with less overhead. Together, these approaches help ensure that process continuity, performance, and compliance are preserved, no matter how complex the migration.

Quality assurance that safeguards compliance

Quality assurance also supports compliance. Tricentis Data Integrity and TTC Global's validation practices ensure that financial data, inventory systems, and regulatory reports remain accurate and auditable — reducing audit risk. For regulated industries, this means fewer surprises during audits and reduced risk of non-compliance.

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The TTC Global method:
Assess, accelerate, transform

TTC Global's SAP migration support begins with our cornerstone Quality Maturity Assessment (QMA), a proven approach that helps us benchmark your current capabilities, identify maturity gaps, and create a clear path forward.

From there, we enhance and tailor your roadmap using our S/4 Quality Engineering Readiness Assessment and SAP Accelerator Pack. These frameworks evaluate automation feasibility, data integrity readiness, and business process complexity.

Our three stage journey

Taken all together, we guide your team through a three-stage journey .

1. Planning and preparation phase

In this phase, we define scope, roles, and timelines, conduct benchmarking, and establish governance.

2. Assessment and strategy phase

When progressing into the assessment and strategy stage, we evaluate tooling, automation readiness, and delivery cadence — culminating in a detailed roadmap and scorecard.

3. Development and transformation phase

Finally, during the deployment and transformation phase, we implement automation, enable continuous testing, simulate unavailable systems with Tricentis Tosca Orchestrated Service Virtualisation (OSV), and lead change management efforts to embed scalable QA practices.

QA strategy so testing supports delivery outcomes instead of delaying them. Clients appreciate that we don't just deliver a process — we build confidence in the path forward.

We not only execute the migration, we enable knowledge transfer, so your internal teams are equipped to continue growing your quality capabilities post-go-live. This ensures that QA becomes a sustainable competency within your organisation. By defining scope, aligning stakeholders, and building governance structures, we keep the migration accountable and efficient. We assess test automation readiness, identify risks, and build a business-aligned QA strategy so testing supports delivery outcomes instead of delaying them. Clients appreciate that we don't just deliver a process — we build confidence in the path forward.

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How the Tricentis-TTC Global partnership helps enterprises

Tricentis offers enterprises best-in-class software testing solutions for SAP, and TTC Global brings the delivery expertise to realize their full value.

Each Tricentis tool is implemented with precision and purpose to align with a client's SAP landscape and business goals.

The result?

Greater enterprise migration speed, efficiency, and ROI as proven in the Business Value of SAP Application Testing Solutions by Tricentis report. IDC analyzed the cost savings and business benefits of SAP application testing solutions by Tricentis and found that improving testing quality results in higher-quality applications and allows fewer defects to make it into production environments.

According to the report, organisations using SAP application testing solutions by Tricentis realize:

- **51% faster** testing cycles
- **31% more** efficient test teams
- **66% faster** resolution of defects
- **576% average ROI** over three years
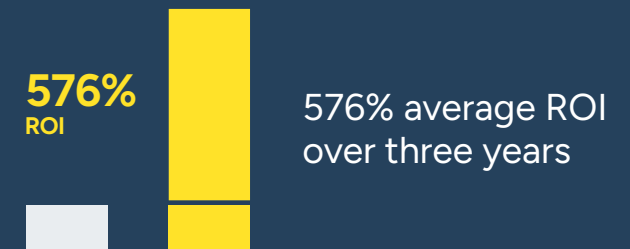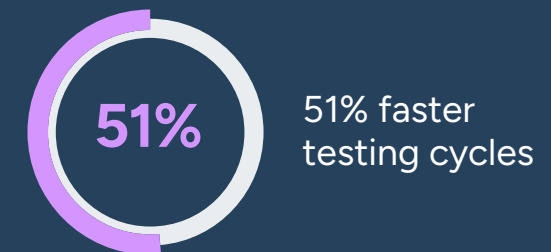- **$5.3M** in annual business value per organisation

When TTC Global implements these solutions, the benefits are magnified. Our consultants accelerate time-to-value by embedding proven methodologies, automation assets, and governance frameworks that help customers avoid common complications, eliminate delays, and optimize their investment in both Tricentis tools and SAP transformation.

The Tricentis and TTC Global partnership benefits enterprises because we act as both advisors and delivery partners. We go beyond strategy to put it into action and turn it into measurable outcomes. That means not only implementing automation but building sustainable quality engineering capabilities that evolve with your organisation.

With a combination of tools and experience, our partnership helps enterprises proactively reduce risk by embedding quality throughout their migration lifecycle. Our role is to help you translate powerful tools into business value so you can drive faster go-lives, fewer defects, reduced risk, and greater stakeholder trust.

Key report statistics

According to an IDC report, organisations using Tricentis testing solutions reported the following:

31%
31% more efficient test teams

51%
51% faster testing cycles

576% ROI
576% average ROI over three years

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Case study:

How Tricentis and TTC Global delivered a high-quality SAP migration on time and for less

Challenges

A global energy company embarked on a complex bluefield migration where they selectively transitioned data to three SAP S/4HANA systems.

The company faced several challenges that could impact the migration of critical processes and cause business disruptions. Relying on traditional manual testing would slow down the project and testing the entire system after every change risked project delay and cost overruns.

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Solution:

Seamless migration through TTC Global

The company partnered with TTC Global to ensure a seamless migration By automating its testing with Tricentis Tosca and LiveCompare, the company introduced quality at speed to achieve 80% test automation of critical business processes in SAP S/4HANA.

Facilitating the automation journey through Tricentis

The energy company partnered with Tricentis to automate a small test portfolio over six weeks.

This project provided support in introducing the capabilities of Tosca and demonstrated how it benefited the project roadmap. The company's SAP domain experts had limited test automation experience, and Tosca helped them scale their expertise quickly.

The team began automating the most critical SAP business processes. Once those processes had corresponding automated test cases, the team started branching out automation to include full end-to-end testing.

Result:

By integrating TTC Global's expertise and implementing Tricentis' solution, the energy company was able to go live in approximately 18 months with 90% of all code on three separate S/4HANA systems.

Tricentis and TTC Global helped this customer:

Achieve on-time delivery despite a compressed timeline

Avoid business disruptions at go-live

Implement long-term automation assets that now support regression testing for change requests and system updates

This engagement also built a scalable test automation capability within the company, reducing future reliance on external consulting for routine QA activities.

The company went live with 90% of all code on three separate S/4HANA systems within an...

18

month turnaround period

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The conclusion:
Testing is a catalyst, not a bottleneck

For organisations facing the complexity of an SAP S/4HANA migration, testing can appear to be a burdensome obstacle.

But with the right strategy, tools, and partners in place, testing becomes a catalyst — accelerating progress, reducing risk, and generating lasting value.

Tricentis provides the software testing platform trusted by global SAP customers. TTC Global ensures that platform delivers real-world results. With TTC Global and Tricentis, you're not just implementing a testing solution. You're building a strategic capability that supports innovation, enhances operational resilience, and ensures greater business agility.

From assessment to execution, we're here to help you:

01 Accelerate time-to-value	02 Improve software quality & compliance	03 Build scalable QA practices that evolve with your business

We understand that successful SAP transformations are business transformations. Testing is how you protect that investment — and how you empower your teams to deliver confidently, every step of the way.

Let's turn your SAP transformation into a competitive advantage.

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About Tricentis

Tricentis is a global leader in continuous testing and quality engineering. The Tricentis AI-based, continuous testing portfolio of products provide a new and fundamentally different way to perform software testing. An approach that's totally automated, fully codeless, and intelligently driven by AI. It addresses both agile development and complex enterprise apps, enabling enterprises to accelerate their digital transformation by dramatically increasing software release speed, reducing costs, and improving software quality. Widely credited for reinventing software testing wfor DevOps, cloud, and enterprise applications, Tricentis has been recognized as a leader by all major industry analysts, including Forrester, Gartner, and IDC. Tricentis has more than 3,000 customers, including the largest brands in the world, such as McKesson, Allianz, Telstra, Dolby, and Vodafone.

Learn more at tricentis.com

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About TTC Global

TTC Global, formerly The Testing Consultancy, is a global pioneer in software quality engineering, helping organisations worldwide enhance speed, quality, and cost efficiency while reducing risk. Founded in 2005 in Auckland, TTC Global has grown into a trusted partner for businesses across New Zealand, Australia, the USA, Canada, Europe, and the Middle East. With deep expertise in AI, automation, and digital accessibility, and partnerships with some of the world's most influential technology companies, TTC Global helps enterprises drive efficiency, ensure compliance, and future-proof their software ecosystems.

Learn more at ttcglobal.com

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