



TRANSFORM



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Automate Faster. Validate Smarter. Release S/4HANA with Confidence.

In this session, we showcase how **Tricentis Tosca transformed SAP S/4HANA release validation from a manual, time-intensive process into a scalable, automation-driven Quality Engineering capability.** Through reusable end-to-end automation, the program reduced manual effort, accelerated test execution, enabled earlier defect detection, and progressively improved release quality. The result was **faster release cycles, stronger deployment confidence, measurable efficiency gains, and a reusable automation foundation for future SAP transformation initiatives.**





300+ Dedicated
Enterprise
Experts

40+ \$Bn Clients
serviced globally

10,000+ Reusable
Repository of Test
Assets

Partnership with
leading product vendors

25+ Global
Implementations

Expertise in
Leading ERP
Products

We are the world's leading AI-first quality engineering and assurance company, delivering end-to-end quality management services across the business and technology life cycle for enterprise customers who demand certainty at 'go-live'.

STRATEGIC SAP ECOSYSTEM LEADERSHIP

SAP Delivery Leadership

- SAP Partner since 2007 (18+ years)
- 20+ SAP global implementations completed
- 20+ active global S/4HANA programs
- Largest S/4 Finance implementation (2024)
- Largest S/4HANA implementation (2025)

Transformation Milestones

- First-year HANA implementation (2015)
- First-ever S/4 Finance global implementation (2018)
- First 2 S/4 Fashion implementations (2019)

SAP + Tricentis Strategic Alignment

- **SAP**
- Silver Partner
- **Tricentis**
- Tier 1 Partner of the Year
- 400 certified resources
- Ript AI Partner
- Executive relationships (CEO, CPO, CRO)

**QualityAI provides a layer of independent accountability
that gives global brands the certainty to press 'go'!**



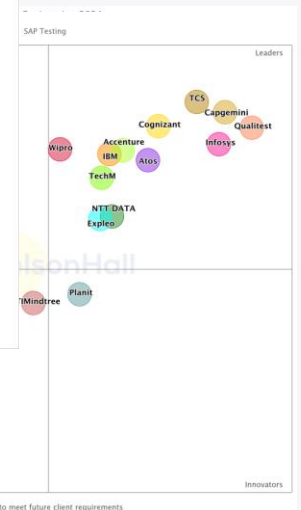
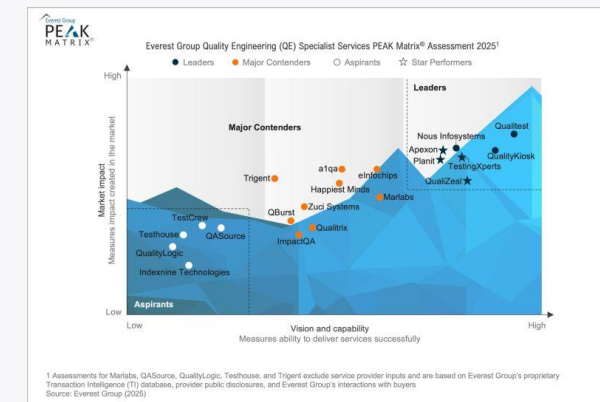
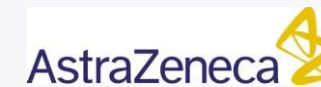
Multinational O&G
Corporation



Worlds Largest
Retailer



Media &
Entertainment
Conglomerate



Powering global operations through reliable enterprise testing

THE CLIENT

Multinational power management leader

175+

Countries of operation

~94K

Global resources

4

Core business segments

HQ

Ireland-headquartered

ENGAGEMENT OVERVIEW

QualityAI partnered with Eaton on a new SAP S/4HANA implementation, combining program-level quality engineering, manual functional testing and end-to-end test automation using Tricentis Tosca across enterprise applications.

ENGAGEMENT JOURNEY

01 Automation feasibility POC

Validated Tricentis Tosca automation viability across Mocha and IBM iSeries.

02 Expanded E2E automation

Extended reusable automation across Bid Manager, SAP, Mocha, IBM iSeries and Order Center.

03 SAP S/4HANA quality assurance

Integrated test management, functional testing and Tosca automation to support deployment readiness.

ENGAGEMENT FOUNDATION | Tricentis Tosca established the reusable automation backbone for scalable SAP and cross-system release validation.

PROBLEM STATEMENT

Manual regression could not keep pace with a complex, multi-system SAP release program

Execution Bottleneck

Large regression scope across SAP and connected applications created long execution windows, repeated manual effort and limited ability to retest quickly.

Quality & Integration Risk

End-to-end business processes crossed multiple boundary systems. Interface run-time issues and incomplete documentation increased defect and data-integrity risk.

Release Pressure

Three SIT cycles had to absorb changing scope, environment issues, onboarding delays and defect cleanup while protecting deployment dates.

BASELINE SIGNALS

10-25 min

Manual execution / test
case

Before automation

512

Manual test cases

Across SIT 1-3

317

Defects raised

Across SIT cycles

5+

Boundary systems

E2E validation complexity

Core need: Create a reusable regression backbone that could execute faster, validate end-to-end integrations consistently, and provide earlier release-quality feedback.

Tricentis Tosca converted repeatable regression into a scalable quality-engineering capability

01 Model-based automation

Automated complex SAP business processes and repeatable regression scenarios using reusable Tosca assets.

02 End-to-end validation

Synchronized validation across SAP and adjacent systems to strengthen process and data integrity.

03 Execution optimization

Used scheduled/batched automation to reduce idle time, increase throughput and accelerate feedback.

04 Reusable framework

Built a Tosca backbone designed to scale into future releases, sites, processes and transformation phases.

AUTOMATION IMPACT

377

Test cases automated

Phase 1

57%

Manual effort reduction

Automated cases

~85h

Effort saved / cycle

Phase 1 alone

17%

Release acceleration

Overall program

Execution time per test case improved from 10–25 minutes to 2–6 minutes, up to 76% faster per cycle.

Automation improved both release velocity and confidence across successive SIT cycles

75% → 88%

SIT pass rate

SIT 1 to SIT 3

113 → 44

Defects raised

SIT 1 to SIT 3

100%

RTC & Tax pass

SIT 3

0

FIN open defects

SIT 3 closure

Faster Feedback

Shorter automated execution cycles enabled earlier defect discovery, faster retesting and tighter release windows. The team could spend less time on repetitive execution and more time on risk-based validation.

Higher Release Confidence

SIT performance improved cycle over cycle: 75% pass in SIT 1, 85% in SIT 2 and 88% in SIT 3. SIT 3 became the cleanest cycle with the lowest defect count and strongest first-pass success.

Scalable Business Value

Reusable Tosca assets created a foundation that could extend to future SAP releases and manufacturing sites, while synchronized E2E validation reduced integration and data-quality risk.

BOTTOM LINE | Tricentis Tosca shifted regression from a manual execution constraint into a reusable release-quality capability, delivering measurable effort savings, faster cycles and stronger confidence in SAP deployment readiness.

| Thank you