

# Start with Visibility. Modernize with Confidence.

Gain full insight into your SAP custom code—visibility no other analysis can deliver.

## See What's There. Fix What Matters.

Every successful SAP transformation starts with clarity. smartShift Code Analysis is the only solution that provides full-spectrum visibility into your entire ABAP codebase. Because nobody else has our patented technology, other scans only scratch the surface, but smartShift goes deeper, analyzing millions of lines of code with 250+ AI-based transformation rules.

**The result:** actionable insights no other analysis can uncover, tied to class-leading solutions for code transformation. Data-driven insights allows you to plan and modernize with confidence.

See everything before you transform.



Talk to a Custom  
Code Expert

## The Challenge: Partial Visibility Creates Transformation Risk.

SAP landscapes evolve through years of enhancements, integrations, and fixes—leaving behind an undocumented maze of custom code. Most analysis tools only surface a fraction of this complexity, missing critical dependencies and risks that can derail transformation.

### Organizations face:

- Bloated upgrade timelines
- Inability to fix latent technical debt, including security and performance issues
- Unpredictable S/4HANA upgrade costs
- Costly rework and project delays caused by developer error

Without total visibility, transformation decisions are made on assumptions—driving up timelines, cost, risk, and uncertainty.

## The Solution: Complete, Automated Insight—Only from smartShift.

smartShift Code Analysis delivers complete visibility into your SAP custom code using patented automation and 250+ expert rules. We analyze millions of lines of ABAP code to assess S/4HANA compatibility, performance, stability, security, and modernization readiness—providing a single, comprehensive view of your code landscape.

### Our solution provides:

- **Complete code inventory.** Full sizing of your custom codebase by objects and lines of code
- **Comprehensive issue identification.** 250+ AI-based rules assess compatibility, performance, stability, security, and modernization readiness
- **Code decommissioning insight\*.** Identify unused or redundant custom code to reduce transformation scope. *Requires customer usage data*
- **S/4HANA Simplification Item impact\*.** Visibility into SAP ABAP Test Cockpit (ATC SI) findings. *Requires customer ATC data*
- **Actionable readouts.** Summary-level and detailed insights to support aligned decision-making

## See Before You Transform

Before any SAP S/4HANA upgrade or optimization you need to know exactly what's in your code. Partial visibility leads to partial transformation—and costly surprises. smartShift Code Analysis is the only solution that delivers complete visibility into your ABAP customization.

By exposing every hidden risk, smartShift gives you the confidence to plan with precision, control scope, and modernize without disruption.

### Use smartShift Code Analysis when you:

- Are preparing an ECC-to-S/4HANA transformation and need to lock in code remediation effort accurately.
- Want to retire unused or redundant custom code to reduce upgrade scope.

## What You Get with smartShift Code Analysis.

Gain a comprehensive view of your SAP custom code with unmatched visibility. smartShift delivers clarity and insight to plan transformation confidently.



### Complete Code Base Visibility

Analyze 100% of your custom ABAP code to understand exactly what exists in your landscape before transformation—eliminating blind spots that other scans miss.



### Transformation Risk Identification

Surface S/4HANA compatibility issues, technical risks, and areas requiring remediation early, so potential blockers are identified before they impact timelines or cost.



### Faster, More Accurate Planning

Understand the size, complexity, and remediation effort required across your custom codebase, enabling realistic planning, forecasting, and resourcing.



### Future-Ready Modernization

Lay the foundation for secure, high-performing, and maintainable code aligned with SAP's Clean Core and ABAP Cloud standards.

## Why smartShift?

smartShift delivers a level of precision and depth that no other analysis can match—combining patented automation, proven accuracy, and global enterprise trust.

### Enterprise-Grade Accuracy and Speed

Scan millions of lines of ABAP in days with 99.99% automation accuracy, powered by 11 patents and 20+ years of R&D.

### Predictable, Risk-Free Delivery

Fixed-price, fixed-timeline delivery ensures guaranteed quality and zero disruption to operations.

### Fast, Reliable Outcomes

Comprehensive insight transforms planning and decision-making—reducing risk and accelerating modernization.

### Trusted by Global Enterprises

3,300+ SAP systems modernized and 3.5 billion+ lines of code analyzed for leaders like IBM, BMW, and P&G.