Custom Code Analysis & Transformation

smartShift

The Custom Code Challenge

Updating your SAP systems means making a decision about how to handle your custom code. Is it better to use a manual approach, relying on developers, or automation and artificial intelligence, relying on technology?

smartShift's Solution

smartShift has developed an AI-powered solution to analyze and transform custom code. We have transformed over 3,300 SAP systems and delivered secure, stable, optimized code in a fraction of the time it takes a manual development effort (weeks vs. months). We offer fixed-price, fixed-timeline solutions with a **100% quality guarantee**.

Our Approach

Planning & Initiation	Analysis, Transformation & Handoff	Dual Maintenance & Support
• Project resources are assigned • System access is provided • Kickoff workshop is held • System extracts and SAP Report inputs (ATC, usage) are collected	• smartShift performs automated code analysis • Workshop is held to review findings and recommendations • smartShift executes automated code transformation • Transformed code is uploaded to target system • Handoff workshop is held to ensure proper transition to testing	• smartShift provides code transformation support through test cycles and go-live • Clients can opt in to smartShift's Automated Dual Maintenance solution to synchronize custom code across production and project environments

How Our Technology Works

STEP 1

EXTRACT

smartShift automatically extracts technical information like custom code, data definitions, and usage data from the source system

STEP 2

RE-ENGINEER

smartShift Intelligent Automation® builds a language-independent metamodel of the source code

STEP 3

ANALYZE

smartShift's rules use the metamodel to identify all code issues in categories such as compatibility, stability, security, and more...

STEP 4

TRANSFORM

Thousands of smartShift algorithms transform the metamodel and generate all code changes for guaranteed compatibility

STEP 5

UPLOAD

smartShift's simplified, modern, easily-maintainable code is automatically uploaded to the target system

smartShift
www.smartshift.com
A better way to transform SAP custom code
Boston | New York | Mannheim | Munich | Bangalore

How It Compares

Conventional Upgrade	smartShift Automation
They're Complex: Millions of lines of code must be manually analyzed to find high-visibility issues	**We Simplify Them:** Artificial Intelligence analyzes 100% of your code and evaluates <u>all</u> required changes
They're Risky: Manual efforts can typically only fix the high-priority issues, leaving a lot of legacy code untouched and unsafe	**We De-Risk them:** We fix 100% of identified compatibility issues with 99.99% precision to ensure everything works at go-live
They're Labor-Intensive: Conventional upgrades require substantial developer resources, which are scarce and expensive	**We Automate Them:** With 100,000+ hours of built-in knowledge, our AI significantly limits human involvement and frees your developers to innovate
They're Time-Consuming: Traditional code remediation can take months—even years—of your team's time	**We Accelerate Them:** We can analyze and transform all your custom code in as little as 3 weeks
They're Uncertain: Quality is a gamble	**We Guarantee Them:** We offer a 100% quality guarantee

Proven & Trusted

AIRBUS · AstraZeneca · Boehringer Ingelheim · BMW · bp

Del Monte Quality · EVONIK KRAFT FÜR NEUES · ExxonMobil · JABIL

JBS · Kimberly-Clark · OMV · P&G · Shell
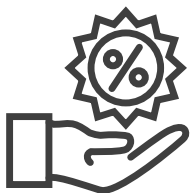
- Over 3,300 SAP systems transformed
- Over 3 billion lines of code converted

See For Yourself

Get a free Rapid Code Analysis to find out exactly what you'll need for your next SAP upgrade.

smartshift.com/rapid-code-analysis