Intelligent Automation for SAP Transformations

How Automation De-Risks Code Remediation:

Challenges, Solutions, & Real-World Successes

About Me

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smartShift

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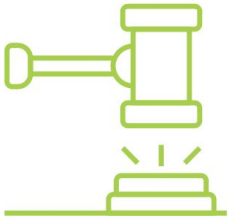
Custom Code is Needed!



46%

Needed as a result of regulatory requirements

45%

Essential for innovation

35%

Essential due to localization or geographics

32%

Provides us with competitive advantage

50% **Custom code provides a unique user experience**

28% **Custom code is a core component in our digital transformation**

Source - ASUG Market Research: Custom Code and Digital Transformation

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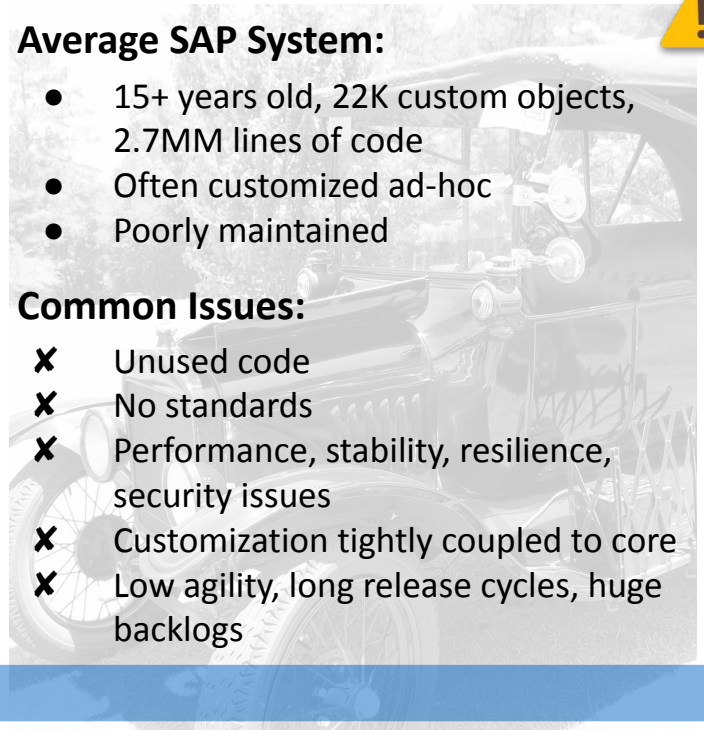
Custom Code Challenges & Opportunities

From a Legacy of Inflexibility to a Future of Agile Extensibility



Average SAP System:

- 15+ years old, 22K custom objects, 2.7MM lines of code
- Often customized ad-hoc
- Poorly maintained

Common Issues:

- ✘ Unused code
- ✘ No standards
- ✘ Performance, stability, resilience, security issues
- ✘ Customization tightly coupled to core
- ✘ Low agility, long release cycles, huge backlogs

S/4HANA

- ✔ Streamlined Processes
- ✔ Simplified Data Model
- ✔ Greater Opportunities to Revert to Standard
- ✔ Enabling Platform for Future Innovation

Clean Core

- ✔ Frictionless Upgrades
- ✔ Scalable customization
- ✔ Lean development teams
- ✔ Agile deployment
- ✔ Standard APIs
- ✔ Focus on innovation

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smartShift Overview

GLOBAL LEADER IN AUTOMATED ENTERPRISE TRANSFORMATIONS

Industry
LEADER
Intelligent Automation

EXPERTS in legacy transformations

PATENTED
Intelligent Automation Platform

20+
YEARS R&D

1000+
Cloud, SAP Transformation and Migration Projects

100+ successful Suite on HANA projects

100+ successful S/4HANA transformations

CERTIFIED
ISO 27001, AWS MAP & MSP

Cloud Migration, Managed Services partnerships with
AWS, Azure, GCP

smartShift worked with 2 out of 5
S/4HANA Business Transformation
finalists in 2021

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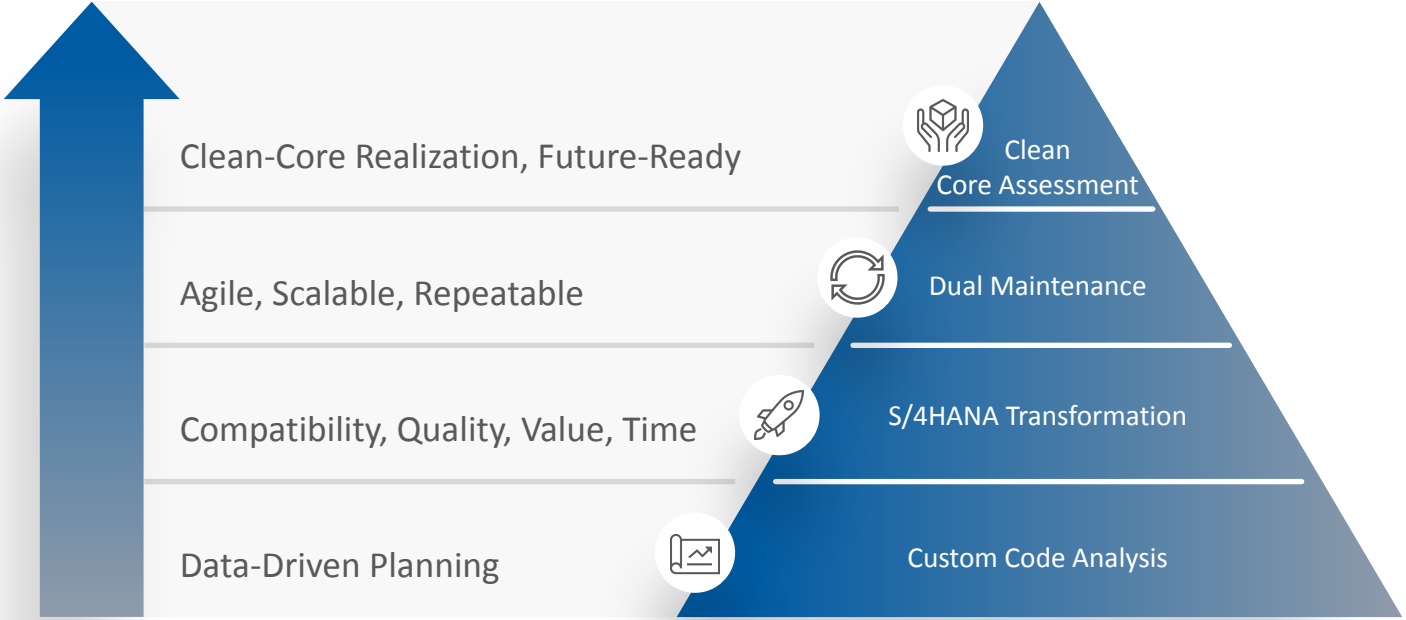
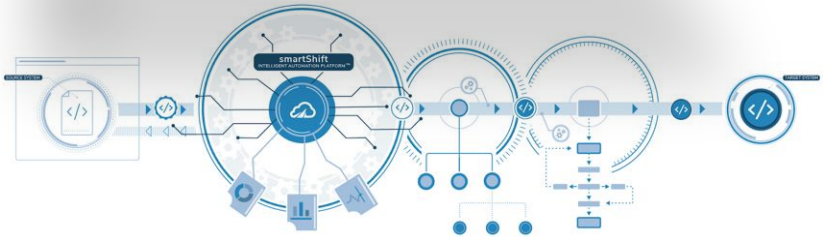
smartShift – Custom Code Solution Continuum



powered by
smartShift Intelligent Automation™



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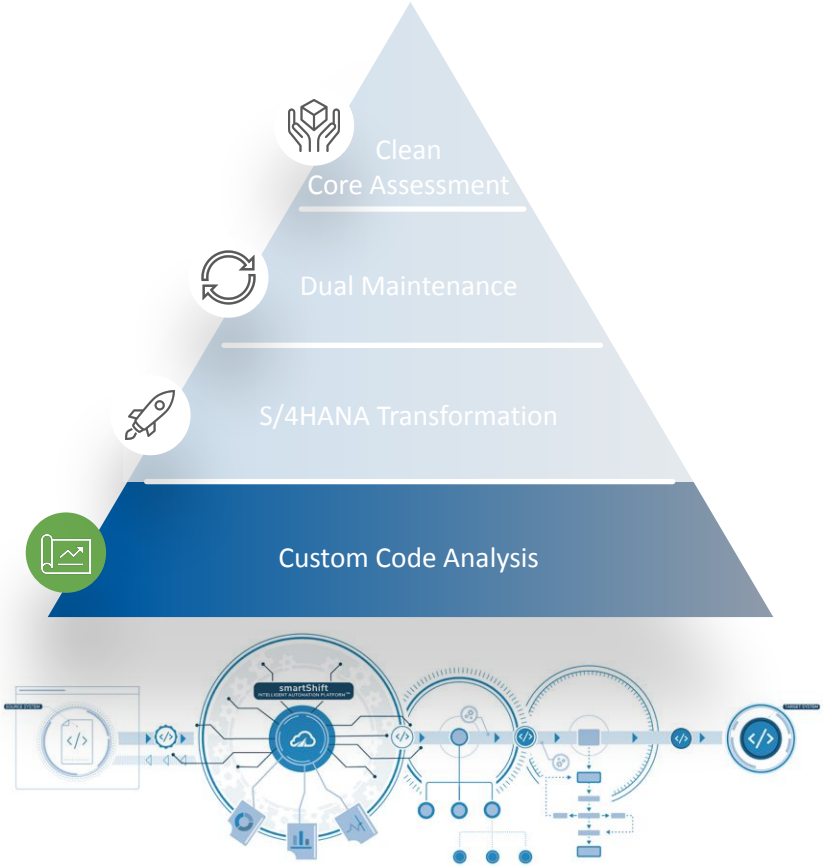
Custom Code Analysis



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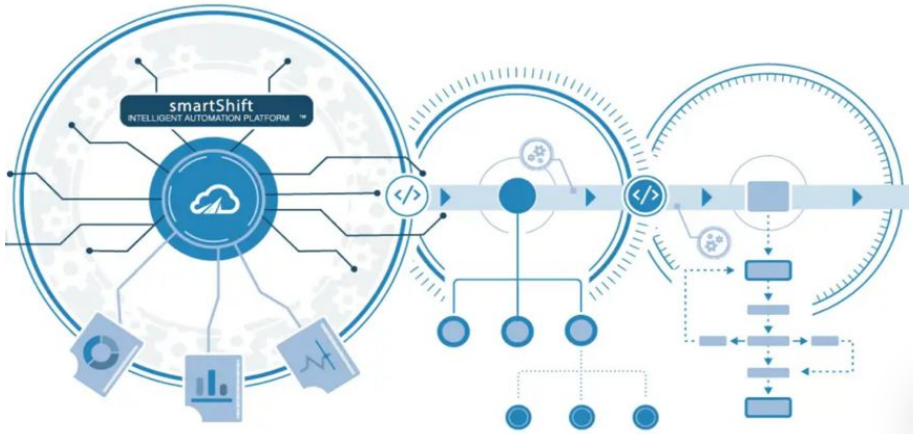
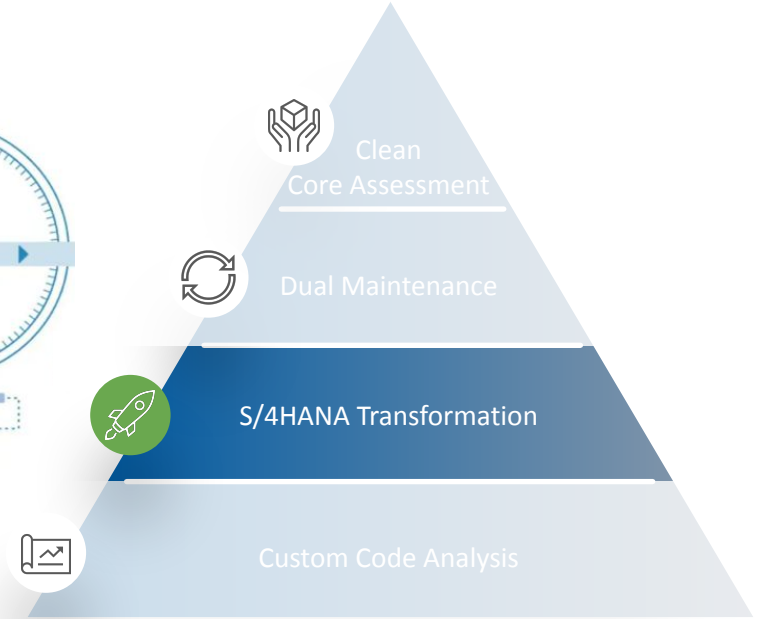
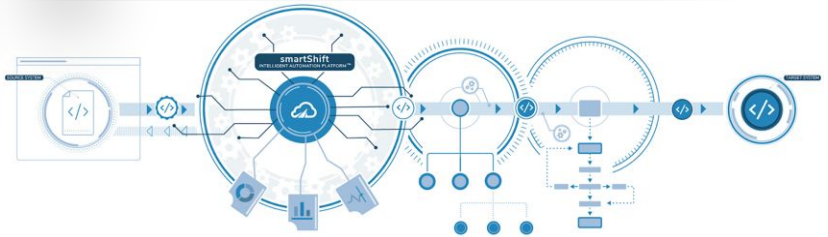
Custom Code Transformation







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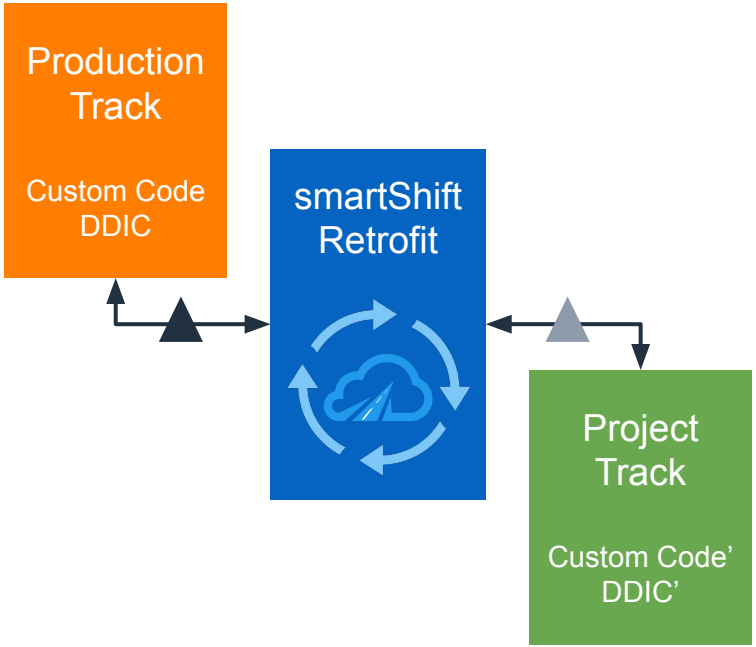
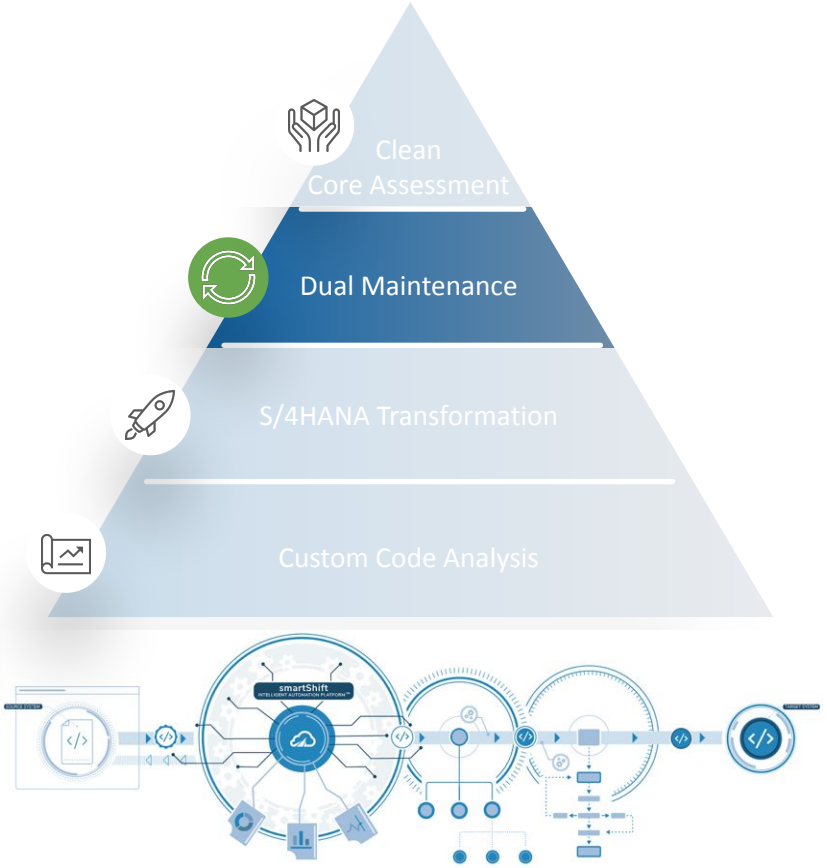
Automated Dual Maintenance





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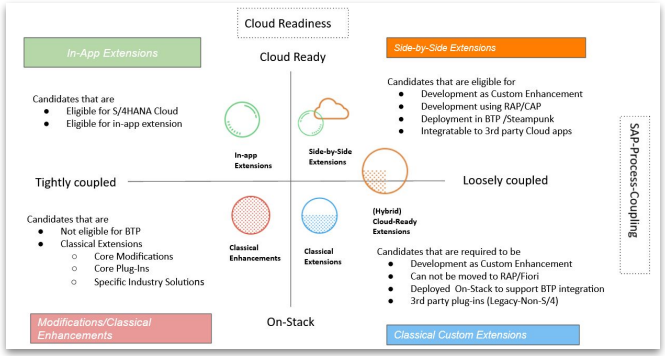
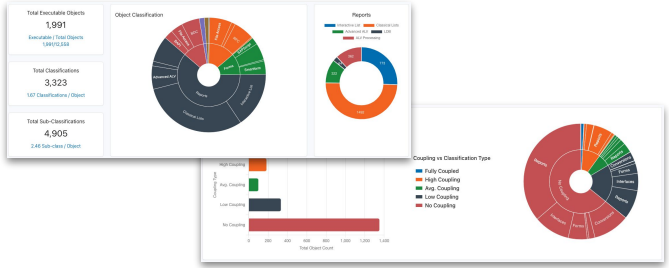
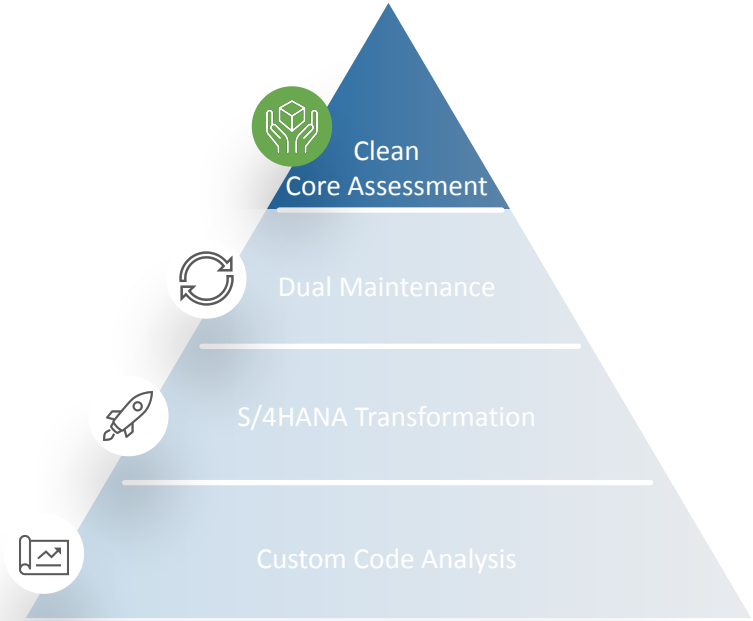
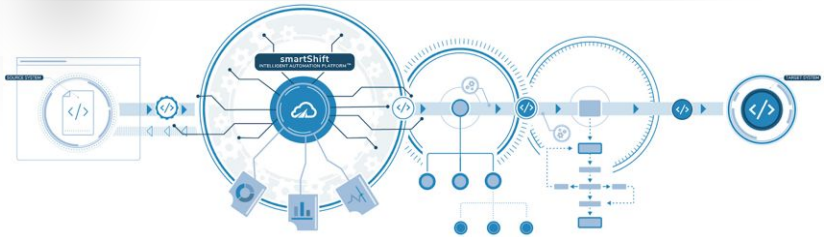
Clean Core Assessment









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Recent S/4HANA Customer Success

Trusted solutions for the largest SAP customers in the world

- S/4HANA migration factory for 80+ system landscape
- Automation for S/4HANA, security, standardization, and performance
- Agile, sprint methodology
- To date:
  - Over 60 projects completed
  - 10MM+ LoC, 100k+ objects remediated
  - Over 7MM EUR saved
  - MM of obsolete LoC safely decommissioned

- ECC to S/4HANA
- 46K custom ABAP objects
- Dual Maintenance automated with smartShift Retrofit
  - Critical enabler of agile continuous development & test process

- Multi-wave ECC to S/4 rollout
- 42K custom ABAP objects / 3.5MM lines of code
- Transformation and optimization
- Selective data/carve-out approach
- Automated Dual Maintenance with smartShift Retrofit ensuring continuous alignment ECC to S/4HANA

- Automation for 200k custom ABAP objects. Manual approach not feasible.
- 9 system consolidation to 3 templates + S/4HANA conversion
- Strategic development partner
  - Automated Interface Identification
  - Dual Maintenance
  - Clean-Core Modernization

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Next Steps

Test drive our analysis capabilities

A free custom code health check to gain insight into your SAP modernization roadmap

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smartShift Solution Map

Consume smartShift intelligent automation services on demand

Pre-Transformation & Discovery

Landscape Comparison Analysis
Identifies custom code conflicts in your SAP landscape

Custom Code Analysis
Provides detailed custom code information

System Consolidation Analysis
Identify deviations in custom code including harmonization and unification potential

S/4HANA Analysis
Identifies the custom code and object remediation requirements for a move to S/4HANA

Carve-Out Analysis
Identifies the custom code to be carved-out and object remediation requirements

Code Decommissioning
Cleansing for unused code and code bearing potential security risks

S/4HANA Pilot (Cloud) Service
Access to a pilot S/4HANA system

Transformation

System Conversion – EHP, UNICODE
Custom code conversion EHP and/or UNICODE compatibility

System Conversion – HANA
Custom code conversion for HANA compatibility and optimization

System Conversion – S/4HANA
Custom code conversion for S/4HANA compatibility and optimization

System Conversion – Security
Custom code conversion for ABAP Code Security

System Conversion – Standardization
Implementation of coding guidelines for better maintainability & stability

System Consolidation
Repository Consolidation of multiple SAP Systems

SPDD and SPAU
Execute SPDD and SPAU during system conversion

Post Conversion

smartShift Retrofit
Automated Dual-Maintenance for complex scenarios, especially S/4HANA

smartRUN
Continuous Modernization

Clean Core Modernization
Assessment for SAP Clean Core Methodology

Always Included

- SLAs & Warranties
- KPIs
- Support

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