



Intelligent Automation for SAP Transformations

Custom Code Transformation – Challenges, Solutions, & Real-World
Successes

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

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



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



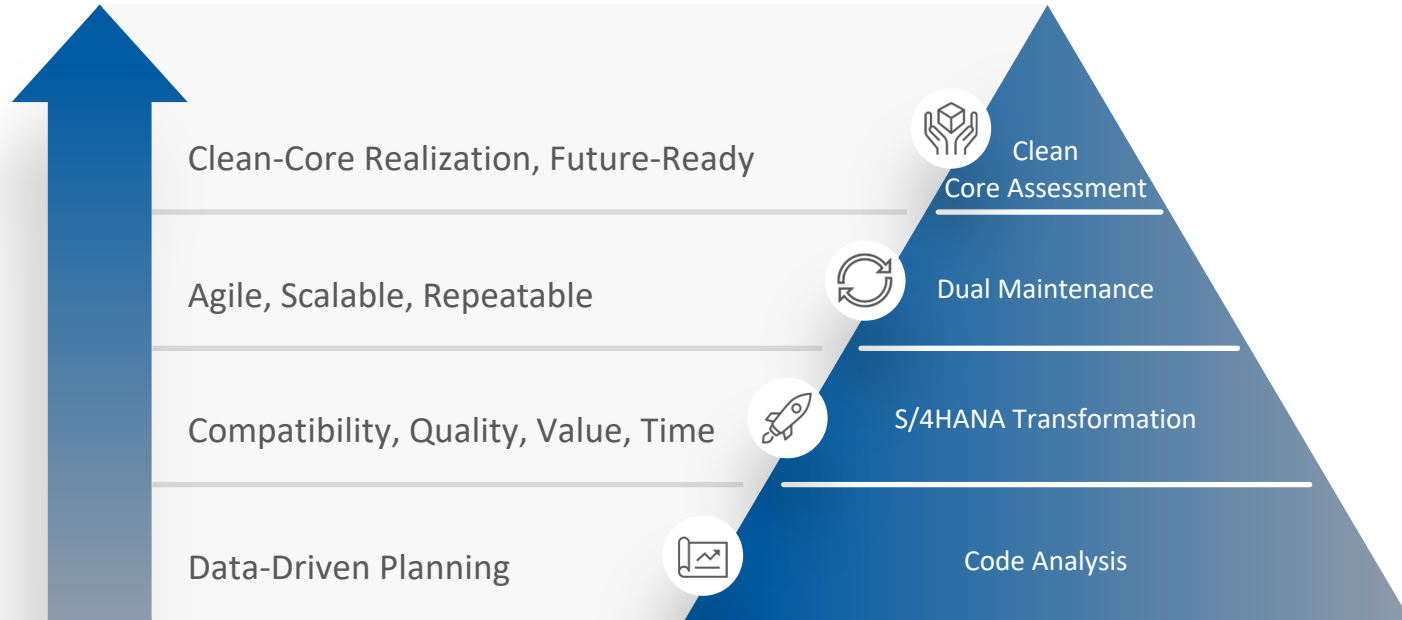
AIRBUS



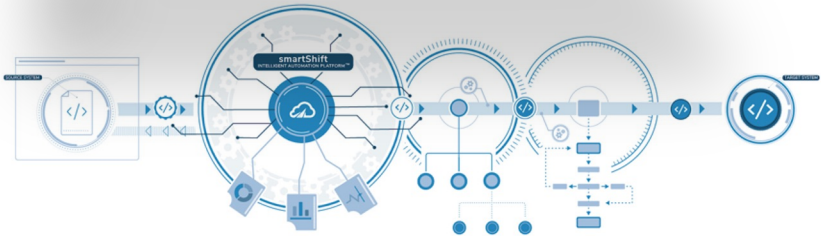
JABIL



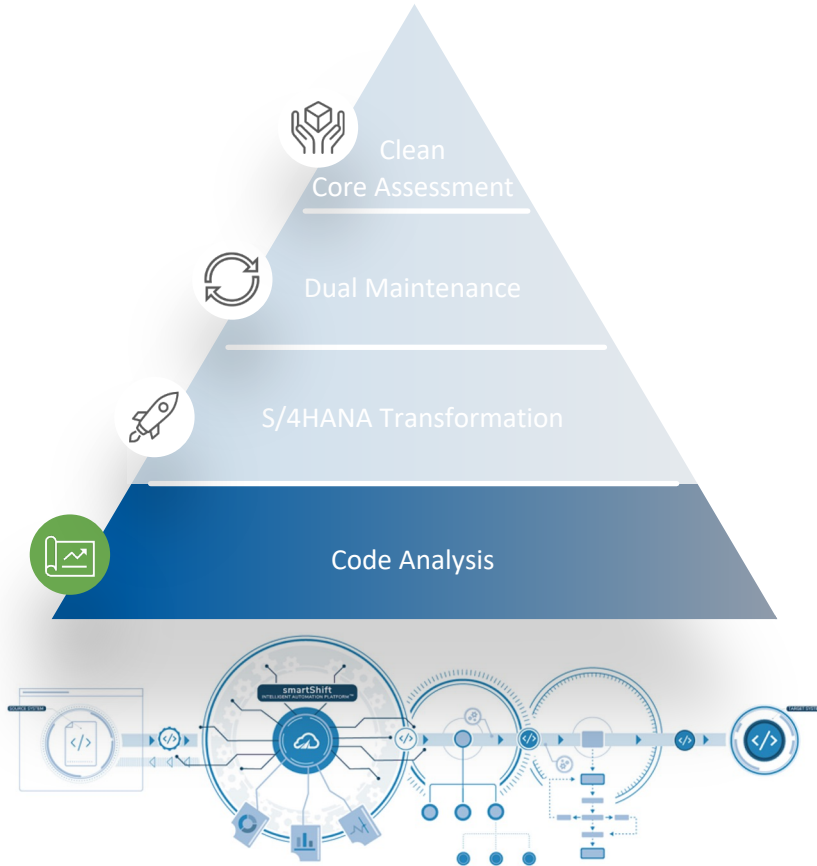
smartShift – Custom Code Solution Continuum



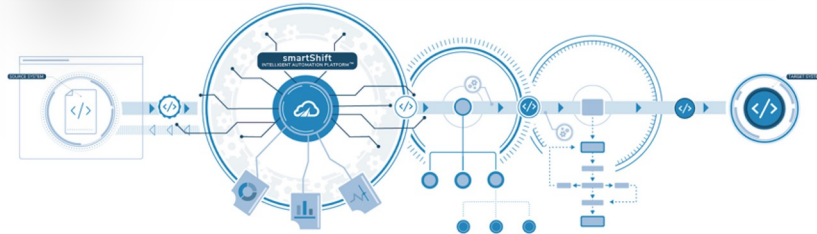
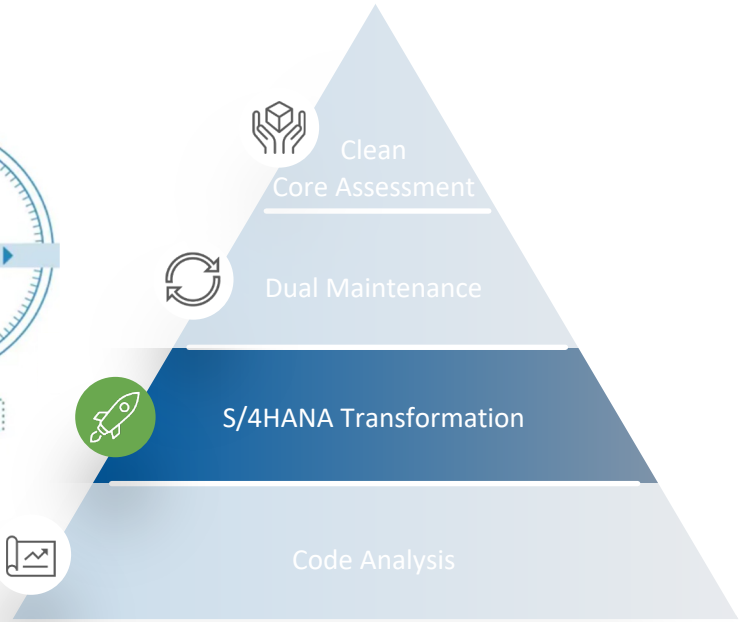
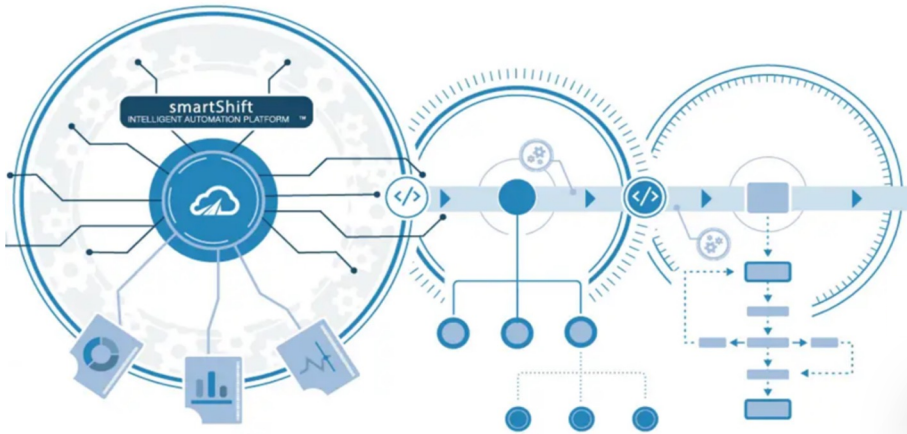
powered by
smartShift Intelligent Automation™



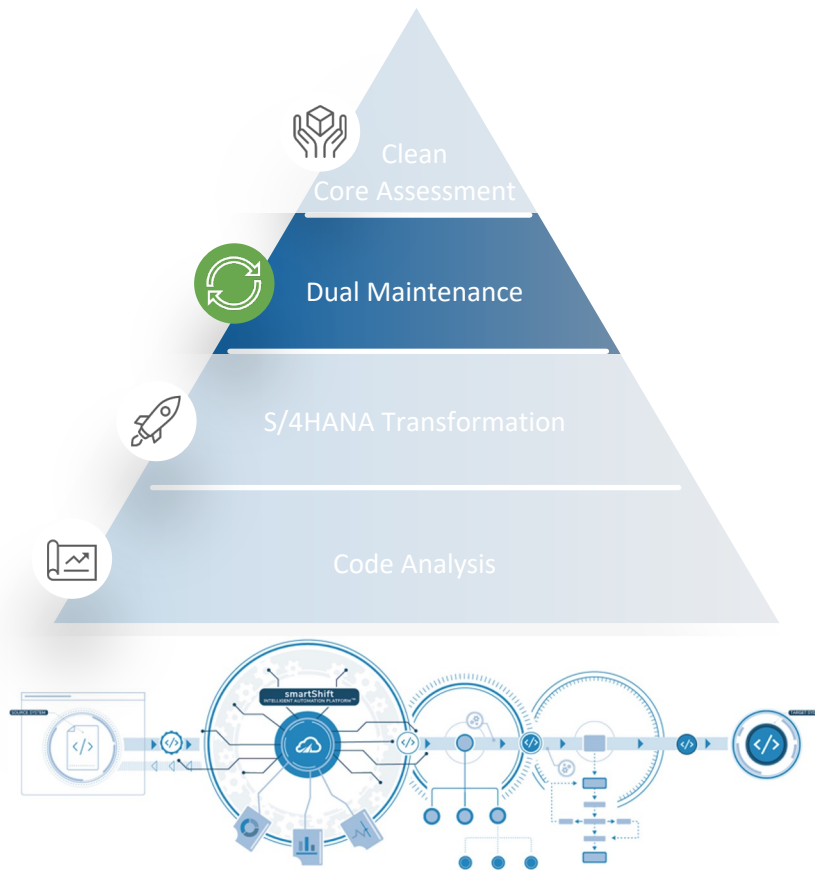
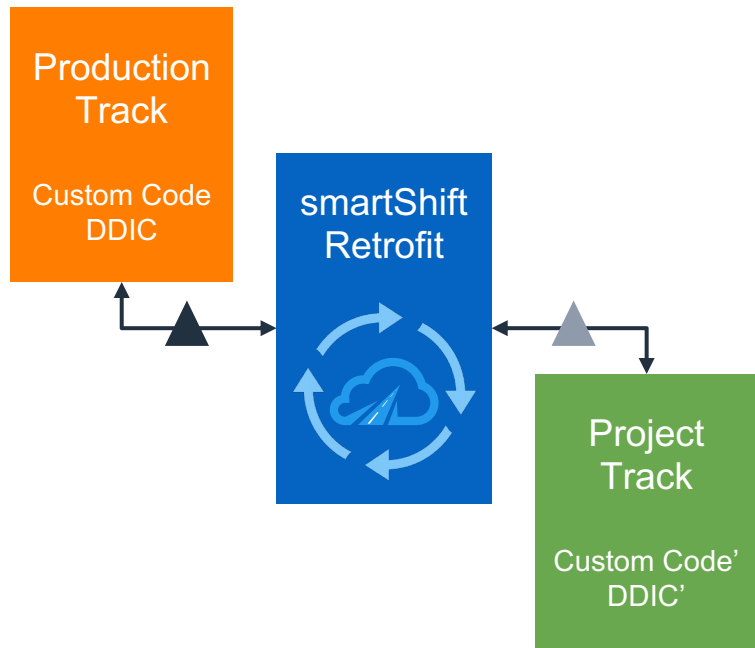
Code Analysis



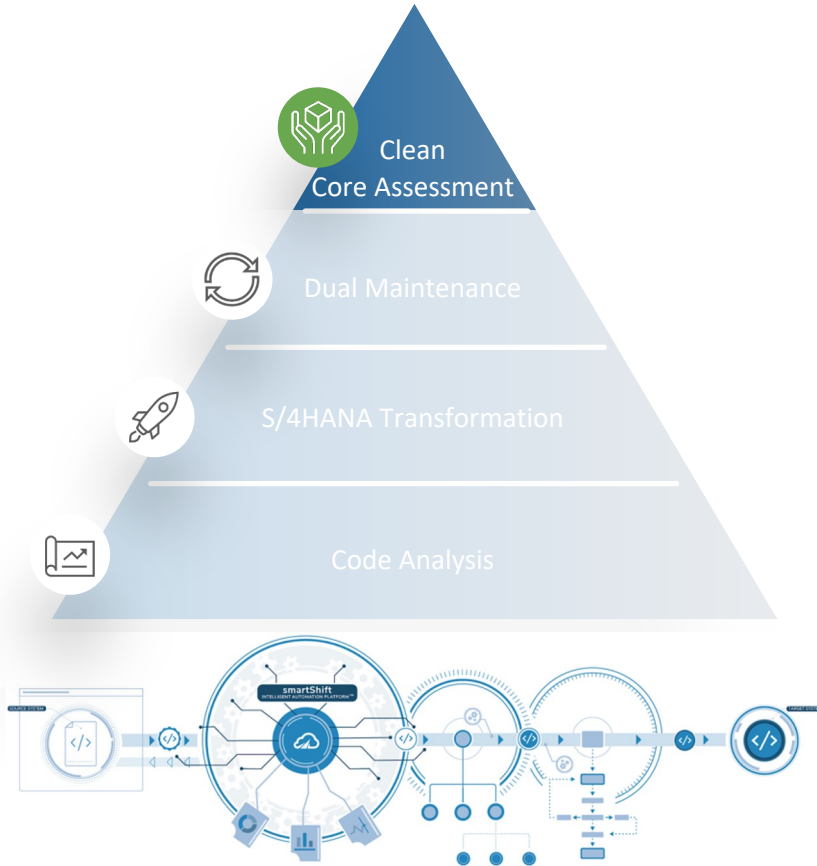
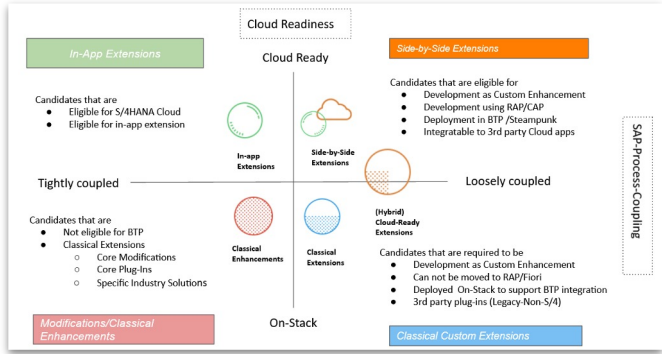
Custom Code Transformation



Automated Dual Maintenance



Clean Core Assessment



Recent S/4HANA Customer Success

Trusted solutions for the largest SAP customers in the world - just like you



- 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

JABIL

- 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 of 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

