

# Intelligent Automation for SAP Transformations

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

**ASUG Tennessee Chapter Meeting** 

### About Me

Ryan Ptacek
Account Executive

rptacek@smartshift.com 651.353.5520





#### 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



Custom code provides a unique user experience



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:**

- X Unused code
- **X** No standards
- X Performance, stability, resilience, security issues
- X Customization tightly coupled to core
- X 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



















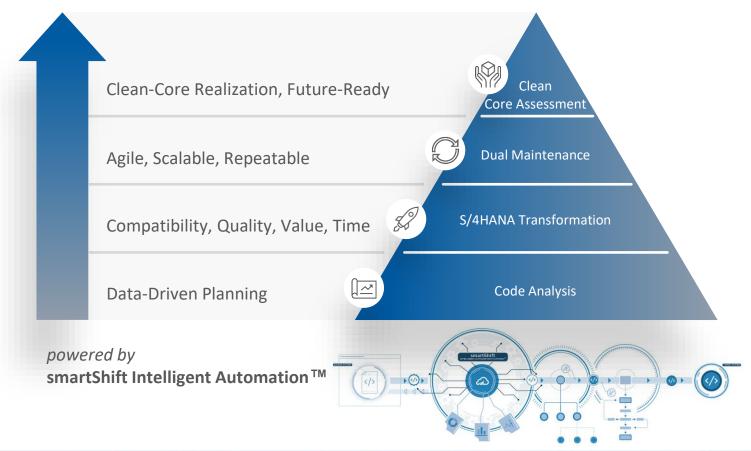






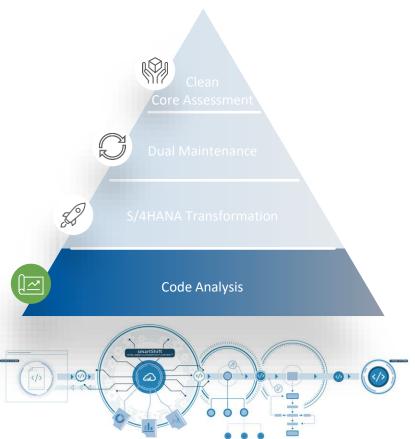


## smartShift – Custom Code Solution Continuum

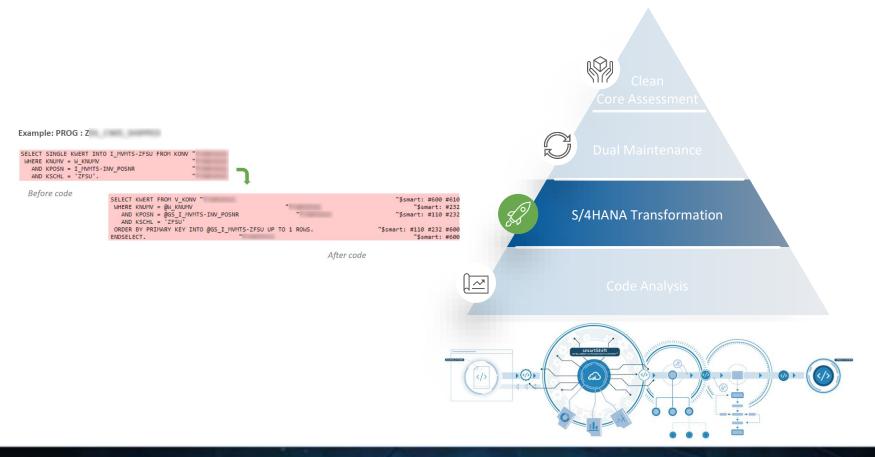


## **Custom Code Analysis**

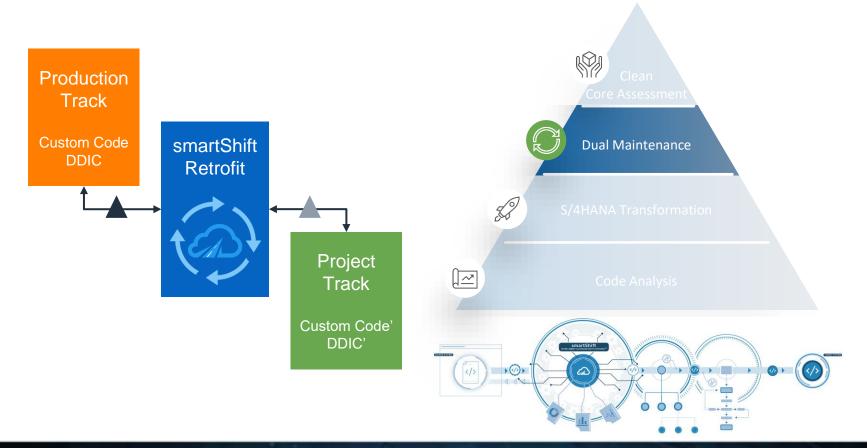




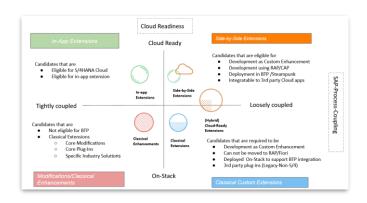
### **Custom Code Transformation**



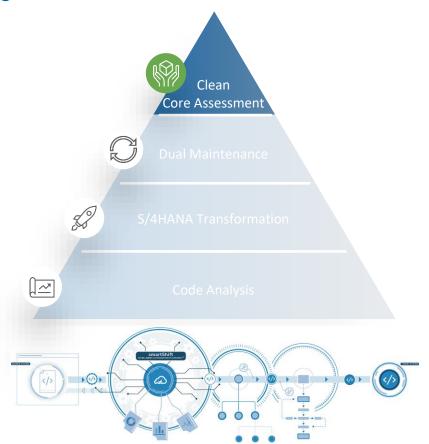
### **Automated Dual Maintenance Solution**



#### Clean Core Assessment







## 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 70 projects completed
  - o 10MM+ LoC, 100k+ objects remediated
  - o 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
  - O 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



## **Next Steps**

Test drive our analysis capabilities

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



## smartShift