



Intelligent Automation for SAP Transformations:

How Automation De-Risks Custom Code Modernization

About Me

Marques Green

Account Executive

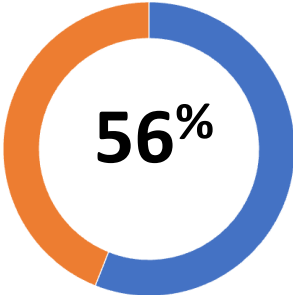
mgreen@smartshift.com

512-633-8031

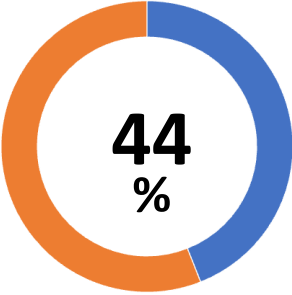


Custom Code is Needed

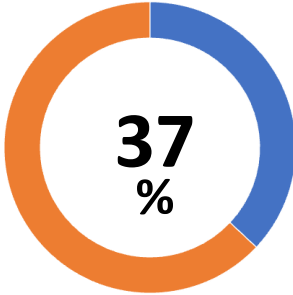
ASUG Research Findings



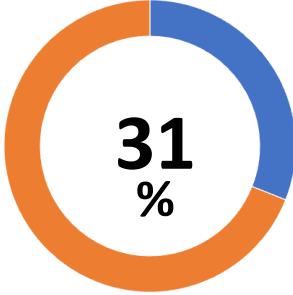
Industry specifics
not covered by
SAP Standard



Necessary to
connect
systems



Necessary
due to
regulatory
requirements

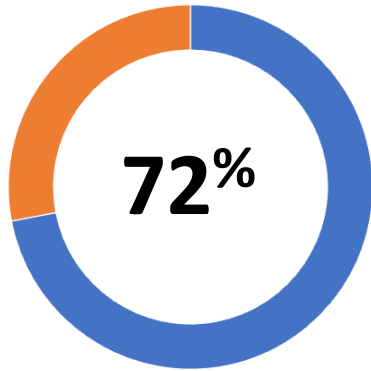


Essential
due to localization
or different
geographies

Source: smartShift/ASUG Market Research

Custom Code Remains Critical

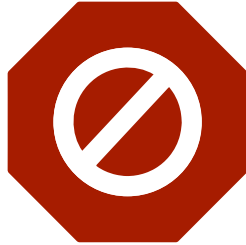
As customers upgrade their SAP systems, they'll need to remediate and transform their custom code



The majority of survey participants plan to retain their custom code as they proceed with upgrading to S/4HANA and beyond

Q. As your organization moves forward with SAP S/4HANA or other SAP system upgrades, how will your organization's custom code be handled? (Please select all that apply.) (n=177)

Custom Code Presents Challenges for Modernization



Barrier to upgrading/
migrating to a new
SAP offering

58%



Difficulty finding expertise
to maintain/enhance
custom code

37%

Source: smartShift/ASUG Market Research

Automation Offers Modernization Options



Speed

Accelerate the transformation process by **minimizing the need for manual remediation**



Confidence

Enhance the overall **quality, security, and stability** of the transformed code



Productivity

Eliminate the need for **business disruption**



Innovation

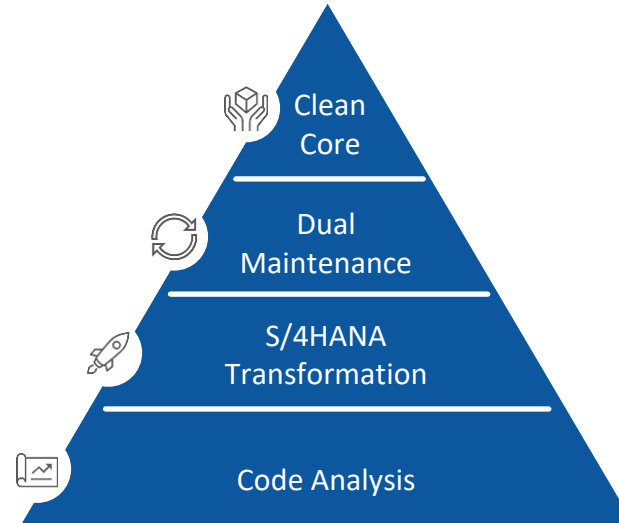
Modernize the system to be more **flexible, scalable, and agile**



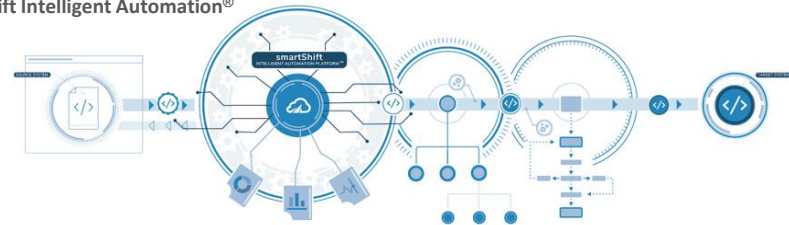
- The only Intelligent Automation for SAP Custom Code Transformations
- 11 Patents - 10+ years of SAP ABAP Research & Development
- 1000+ Successful SAP Transformation Projects
- 2.5+ Billion lines of Code Remediated with <0.01% Code Transformation Error Rates



At smartShift, we develop and deliver automated solutions to accelerate business growth and de-risk the transformation of SAP custom code and applications.

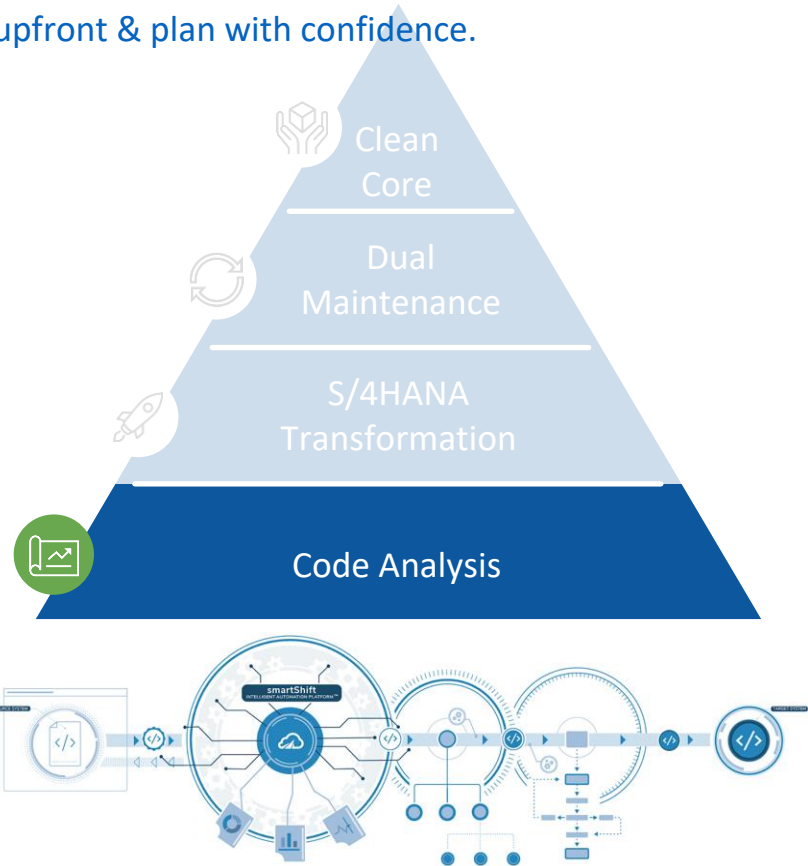


powered by
smartShift Intelligent Automation®



Custom Code Analysis

De-risk with data-driven planning. Know all changes for S/4 upfront & plan with confidence.



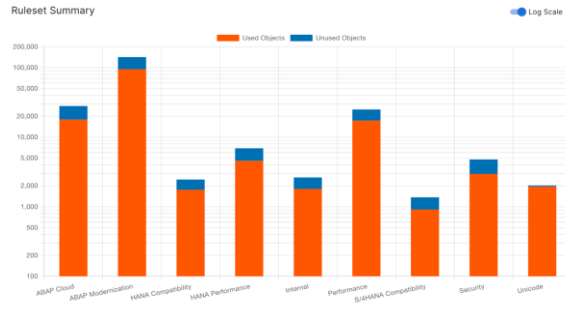
powered by
smartShift Intelligent Automation®

Custom Code Transformation

Comprehensive transformation. Guaranteed quality - 1,000X better than manual approach.

Ruleset Summary

Rule Set	All Objects	Used Objects
ABAP Cloud	28,082	17,906
ABAP Modernization	141,579	94,824
HANA Compatibility	2,463	1,757
HANA Performance	6,910	4,577
Internal	2,635	1,805
Performance	25,035	17,291
S/4HANA Compatibility	1,366	912
Security	4,780	2,974
Unicode	2,023	1,947

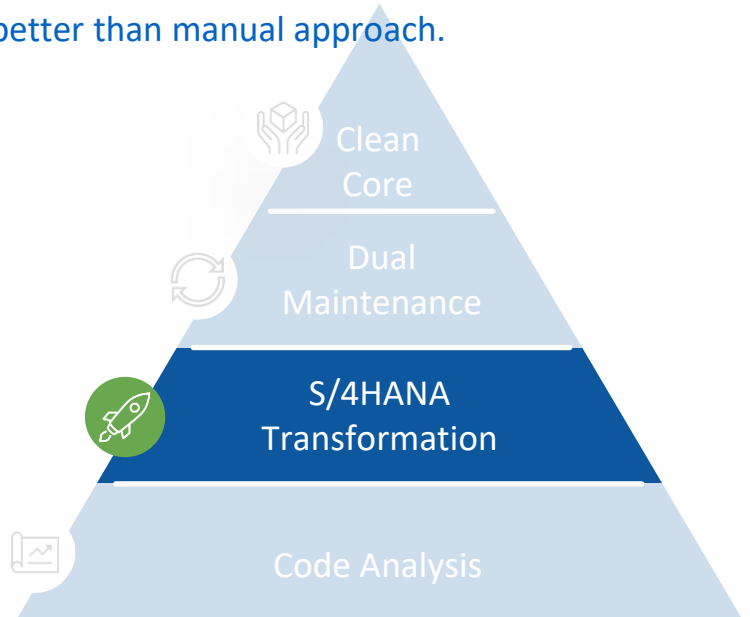


```

TABLES : bseg.
DATA gt_fag_l_bseg_tmp TYPE fag_l_bseg.
*Smart: 633
*Smart (E) - #633 Detected access to DB table BSEG. (A)
c_l_fag_l_emu_cvrt_services=>get_leading_ledger(
IMPORTING
  ed_rldnr = DATA(gv_rldnr)
EXCEPTIONS
  error = 4
  others = 4 ).
IF sy-subrc = 0.
CALL FUNCTION 'FAGL_GET_GL_DOCUMENT'
EXPORTING
  l_rldnr = gv_rldnr
  l_bukrs = '1'
  l_belnr = '2'
  l_gjahr = '3'
  l_buzei = '4'
IMPORTING
  et_bseg = gt_fag_l_bseg_tmp
EXCEPTIONS
  not_found = 4
  others = 4.
IF sy-subrc = 0 AND gt_fag_l_bseg_tmp IS NOT INITIAL.
  bseg = gt_fag_l_bseg_tmp[ 1 ].
  FREE gt_fag_l_bseg_tmp.
ENDIF.
    
```

```

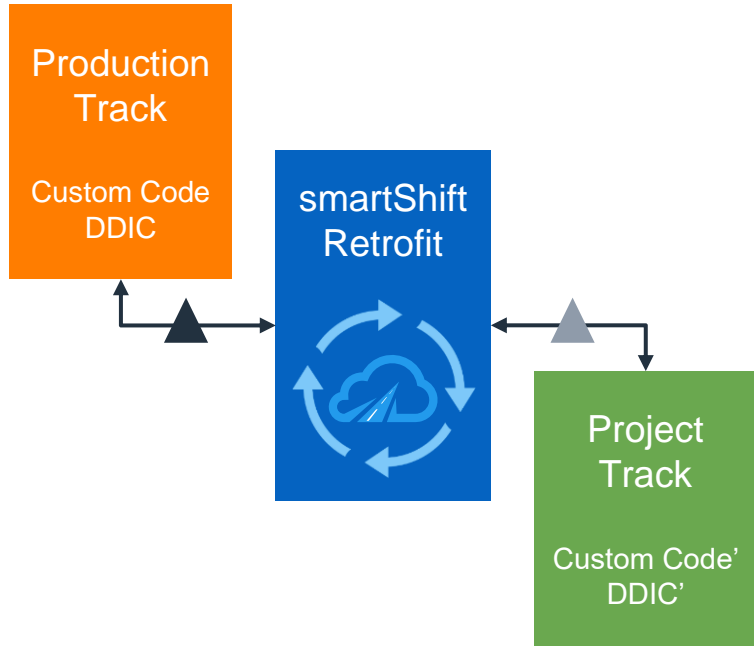
TABLES : bseg.
SELECT SINGLE *
FROM bseg
WHERE bukrs = '1'
AND belnr = '2'
AND gjahr = '3'
AND buzei = '4'.
    
```



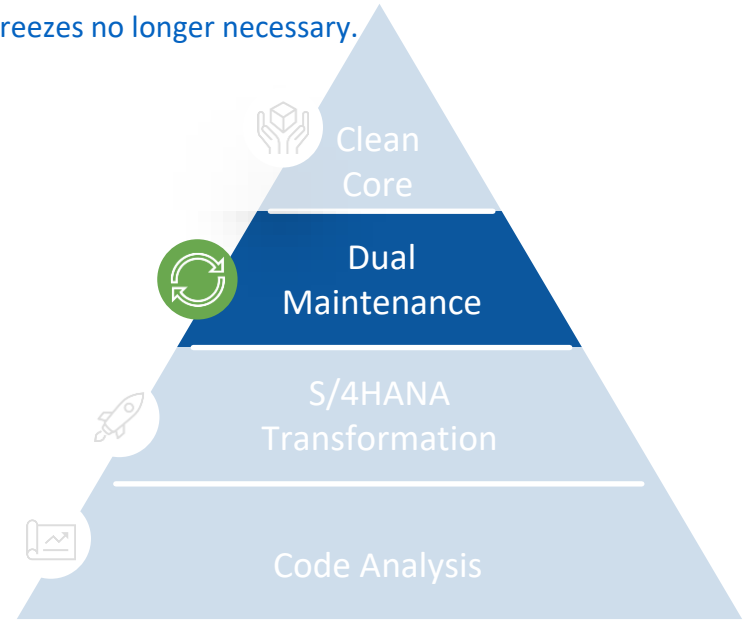
powered by smartShift Intelligent Automation®

Automated Dual Maintenance

Enables business agility & innovation. Dev restrictions, prolonged code freezes no longer necessary.

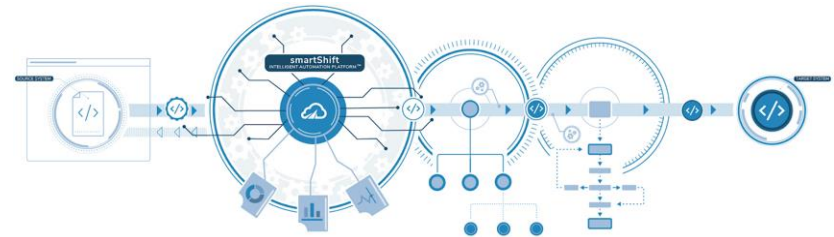
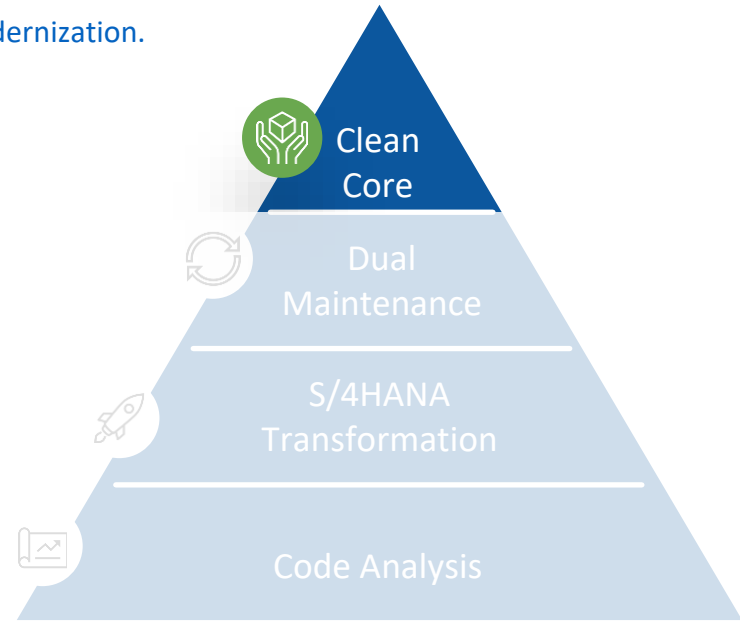
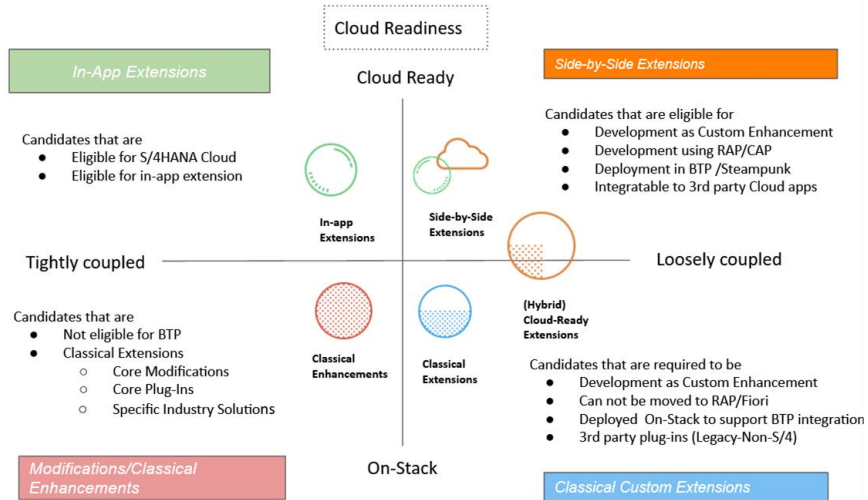


powered by
smartShift Intelligent Automation®



Clean Core Assessment

Informed feasibility, design, approach, and planning for application modernization.



powered by
smartShift Intelligent Automation®

smartShift Overview - Global Customers



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/4HANA 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

Better Together

Test drive our analysis capabilities

A complimentary rapid code analysis to gain insight into your SAP modernization roadmap



