TARENTO

IVOLVE MIGRATION & MODERNIZATION BLUEPRINT

Global electronics major PI / PO Landscape

From SAP Process Orchestration to BTP Integration Suite

1,428 Interfaces · **1,090** unique flows · **183** endpoints · **0** ccBPM

Evidence-led design · iVolve-classified complexity · Architect's-lens deep-dive · BTP runtime + modernization plan

PREPARED FOR
Global electronics major Integration Leadership

DELIVERED BY
iVolve

EXECUTIVE SUMMARY

The headlines from Global electronics major's PI/PO production landscape

1,428 → 1,090

End-to-End Interfaces → ICO Scenarios

~24% multi-target reuse already baked in. Single PO 7.5 production tenant (PRD · GLOBAL ELECTRONICS MAJOR_MOZ_CPI_PROD).

911 / 1,090

Pure pass-through unique flows (ICOs)

83% of unique flows have no Operation Mapping. Auto-conversion via iVolve is highly leveraged here.

261 / 1,090

Medium unique flows (architect-led)

iVolve labels 0 Complex. The architect's lens surfaces ~24 truly complex items hiding in this Medium bucket.

1,331

ICOs touching SAP S/4HANA Finance

93% finance-centric. P4G/PLG/M4P/S4P clients are the gravitational center of the landscape.

90% / 10%

Cloud (CPI) / Edge Integration Cell

1,281 interfaces cloud-eligible · 147 potential EIC for File-NFS, RFC, IDoc, JMS proximity.

437

ICOs eligible for A2X API retirement

Replace P2P SOAP/REST/RFC into S/4 with public OData APIs — single biggest modernization lever.

THE ONE-LINE TAKEAWAY

This is a clean, ICO-shaped, finance-centric landscape. Lift-and-shift is safe; the real architectural value is in (a) retiring 437 P2P calls behind S/4 A2X APIs, (b) collapsing 64 WS_AAE receivers to standard CPI adapters, and (c) putting the 41 event-shaped flows on Event Mesh.

SCOPE

Landscape at a glance — single PO 7.5 production tenant

SOURCE: SAP PO 7.5 Production

PROJECT_ID · GLOBAL ELECTRONICS MAJOR_MOZ_CPI_PROD SYSTEM_ID · PRD

Configuration type	**100% ICO · zero ccBPM**
End-to-end Interfaces	**1,428**
Unique receiver-side interfaces	**1,090 (~24% multi-target reuse)**
Distinct endpoint systems	**183**
Operation Mappings (custom)	**199 graphical · 12 unique Java · 3 XSLT**
Operation Mappings (standard)	**0 (no SAP standard content used)**
Pass-through ICOs (no OM)	**1,185 / 1,428 (83%)**
Adapter modules referenced	**20+ (PGP, REST, SOAP, RFC, JMS, IDoc, anonymizer..)**

TARGET: SAP BTP Integration Suite

Cloud Integration + Edge Integration Cell + Event Mesh + TPM + API Mgmt

Why this profile is unusually clean

All ICOs · zero ccBPM · light mapping footprint.

Why migration speed will surprise

≥83% pass-through unique flows are auto-conversion gold.

Where the architectural value sits

Not lift-and-shift — but in API-first rationalization (437 ICOs).

Where the hidden complexity lives

AS2 TPM (10 agreements / 18 parties), 12 Java mappings, Internal trading app JMS↔RFC.

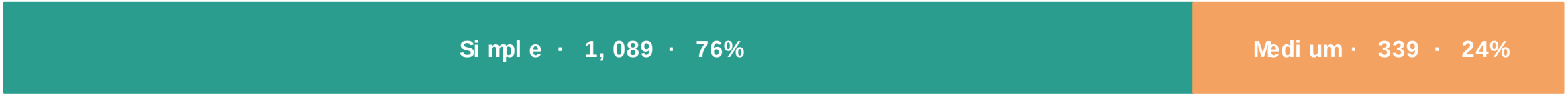
What changes for Operations

From PO Java stack ops → cloud-native iFlows + EIC + AEM.

iVOLVE COMPLEXITY ASSESSMENT

ICO-level classification

E2E Interfaces (1,428)



Unique flows - ICOs (1,090) — what we actually build

MEDIUM-COMPLEXITY DRIVERS · the 261 unique flows that need attention (handled by iVolve)

25 Sender Proxy (XI)

S/4 outbound proxy interfaces — port to CPI proxy receiver.

54 Receiver Proxy (XI)

S/4 inbound proxy — port to CPI ABAP proxy or A2X.

37 Sender RFC

Z*-function modules; need EIC + Cloud Connector.

66 Receiver WS_AAE

All to S/4 — collapse to standard SOAP receiver in CPI.

8 JMS (Internal trading app)

RFC↔JMS bidirectional NZ/AU banking — Event Mesh candidate.

12 Java OMs (unique)

Tier-1 bank D, e-invoice (BE/DK/PL/RO), Amazon, Sonata, BOX_IT.

10 AS2 TPM

10 agreements / 18 unique parties — TPM industrialisation.

199 Graphical mappings

Direct port to CPI Message Mapping.

TARENTO

Four potential destinations, one rationalized target architecture

Re-platform iFlow

950

ICOs

Lift-and-shift

Templated 1:1 conversion of file/SFTP/REST/SOAP flows. auto-generates the iFlow scaffolding with adapters, encryption, dynamic config and error handling.

A2X API rationalisation

437

ICOs

Retire P2P. Use SAP-published APIs.

Replace direct SOAP/REST/RFC calls into S/4HANA with public A2X APIs (OData v4 / SOAP). Decouples partners from S/4 release cadence; unlocks API Mgmt governance.

Event Mesh

41

ICOs

Push, don't poll.

IDoc-out, JMS, 'Fail' notification flows and event-shaped change-data flows move to AEM topics — pub/sub, fan-out and retry semantics built in.

Trading Partner Mgmt

40

ICOs

Industrialise B2B.

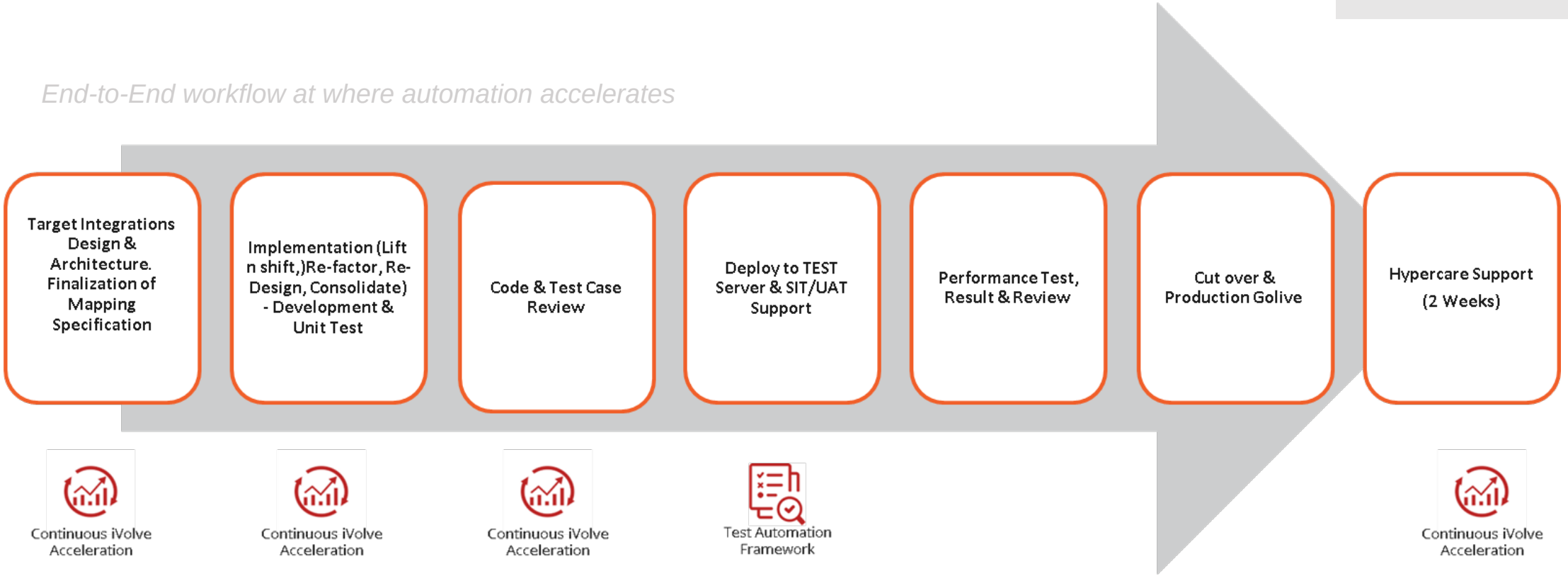
10 AS2 agreements / 18 unique parties move to TPM (built-in partner registry, MDN tracking, certificate rotation, archive). Tax aggregator bridge becomes one TPM partner among many.

DELIVERY MODEL

Target-led End-to-End RASCI · Detailed

Detailed RASCI

End-to-End workflow at where automation accelerates



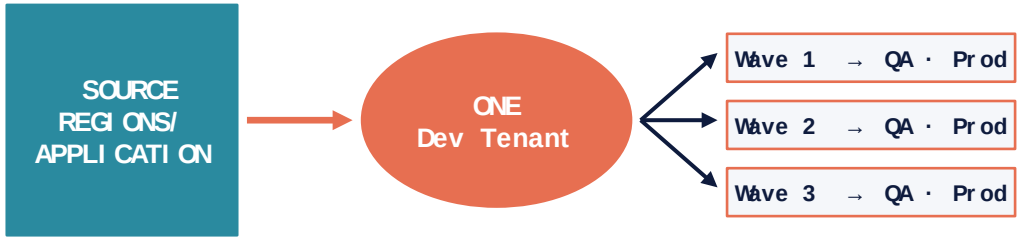
ROLLOUT ARCHITECTURE (POV) - 1

Two valid ways to execute the waves — strategic choice for Global electronics major

Same 1,428 ICOs · same 12-month window · two fundamentally different rollout architectures. Choice drives tenant topology, governance cadence, partner notification windows, and TCO.

APPROACH A · SUPERNOVA

Converge → wave-based fan-out



HEADLINE

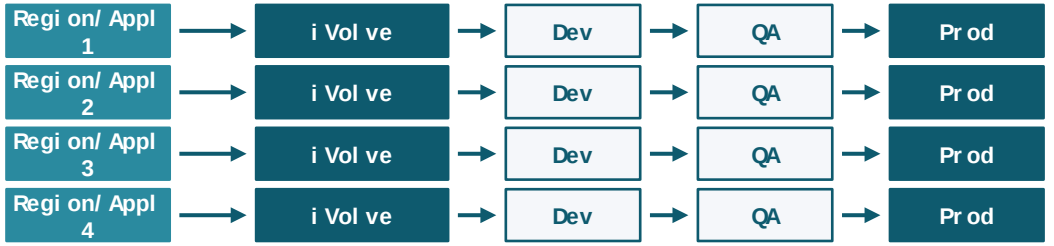
All regions/Applications converge into one Dev tenant. Reflect-and-Refine + auto-conversion happens once. Wave-based rollouts to regional QA/Prod tenants.

BEST FOR tightly-integrated finance cores · uniform standards · max reuse · faster time-to-cutover globally.

TRADE-OFF single Dev tenant becomes a coordination hotspot; regions move at the program's pace.

APPROACH B · GEO/APP-CENTRIC

Independent parallel streams



… +3 more regions

HEADLINE

Each region/application runs its own end-to-end program Region/app-specific iVolve stream → Dev → QA → Prod. Migrations land on local calendars; regional/app ops onboard at their own pace.

BEST FOR regulatory diversity · staggered partner availability · regions at different S/4 release levels · risk isolation per geography.

TRADE-OFF duplicated PM/SIT setups; harder to enforce a single integration standard; slower iVolve reuse compounding.

ROLLOUT ARCHITECTURE (POV) - 2

Hybrid for Global electronics major — Supernova spine + Geo-Centric streams

OUR RECOMMENDATION Run Global electronics major as **Supernova for 90% of the landscape** · carve out **Geo/App-Centric streams for compliance-tight regions** (HU, RO, NO, IN) so they move on their statutory cadence.

Centripetal core

1,331 Interfaces into S/4HANA Finance

93% of the landscape gravitates to the same SAP S/4 finance backbone — textbook signature for Supernova: tight integration, uniform standards, max iVolve reuse.

Regulatory islands

63 Country-compliance ICOs

HU NAV · RO ANAF SAFT · NO Skatteetaten · IN GST IRN · PL JPK / KSeF · BE/DK/AT — each a Geo-Centric stream so cut-over respects local filing windows.

Staggered re-cert

200 Bank ICOs

Banks are multi-region but each has its own cert / penny-test / dual-run window. Run inside Supernova Wave 2 with a dedicated bank-track sub-stream.

ICO COHORT	VOLUME	ROUTING	WAVE / STREAM
Global electronics major custom apps → S/4HANA	894	Supernova	Wave 1 — single Dev tenant + regional QA/Prod fan-out
Intra-SAP S/4 ↔ S/4 ↔ ECC	160	Supernova	Wave 2 / Wave 3 — A2X retirements progressively
Banks (Tier-1 bank A, Tier-1 bank C, Tier-1 bank B, Tier-1 bank D, ..)	200	Supernova + sub-stream	Wave 4 — bank-track inside Supernova; Tier-1 bank C anchor
AS2 TPM partners	10 / 18	Supernova	Wave 5 — TPM industrialization
Country compliance (8 regimes)	63	Geo-Centric stream	Wave 6 — Parallel mini-streams aligned to filing windows
Internal trading app NZ/AU JMS↔RFC bridge	8	Supernova	Wave 7 — Event Mesh + EIC, single architectural unit