

INVOLVE MIGRATION & MODERNIZATION BLUEPRINT

Global Electronics Major PI / PO Landscape

From SAP Process Orchestration to BTP Integration Suite

~1,400 Interfaces · **~1,100** unique flows · **180+** 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

~1,400 → ~1,100**End-to-End Interfaces → ICO Scenarios**

≈ 24% multi-target reuse already baked in. Single PO 7.5 production tenant.

~83% / ~1,100**Pure pass-through unique flows (ICOs)**

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

~24% / ~1,100**Medium unique flows (architect-led)**

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

~1,300**ICOs touching SAP S/4HANA Finance**

93% finance-centric. Core S/4HANA clients are the gravitational centre of the landscape.

90% / 10%**Cloud (CPI) / Edge Integration Cell**

~90% of interfaces cloud-eligible · ~10% 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 ~400 P2P calls behind S/4 A2X APIs, (b) collapsing ~60 WS_AAE receivers to standard CPI adapters, and (c) putting ~40 event-shaped flows on Event Mesh.

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 · SYS-F

Configuration type	100% ICO · zero ccBPM
End-to-end Interfaces	~1,400
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)	~83% of landscape
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, BLINK JMS↔RFC.

What changes for Operations

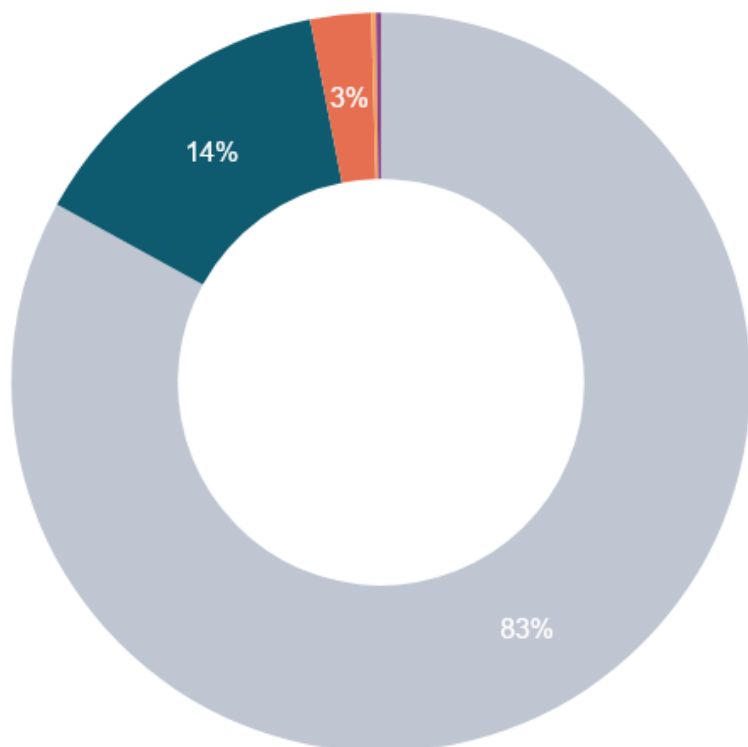
From PO Java stack ops → cloud-native iFlows + EIC + AEM.

Endpoint constellation — internal applications and external partners

SAP ESTATE <i>Inside the corporate landscape</i>	Global Electronics Major APPS / DATA <i>Custom & in-house systems</i>	EXTERNAL PARTNERS <i>Outside the firewall</i>
SYS-A / CLNT-01 S/4HANA Finance — primary (1,210 touches) SYS-B / CLNT-01 S/4HANA Finance — secondary (92) SYS-C / CLNT-01 S/4HANA Finance — sub-region (37) SYS-D / REG-01 thru 04 Region clients (~100 combined) SYS-E / CLNT-01 / CLNT-02 ECC / specialist (~33) SYS-F / CLNT-01 S/4 / ECC (20)	PORTAL Vendor Portal, cXML, PunchOut (187) SYS-G / FACTORY Factory / shop-floor (66) SYS-H / LEGACY-01 AR migration & legacy (90) SYS-O / SYS-P Asset / OCS (31) SYS-I / SYS-J / SYS-K Reporting & cost (~80) SYS-L / SYS-M / SYS-N Migration & retired tools	Banks Tier-1 & Regional Banks (~155 ICOs) Payment Providers Payment Providers Tax & e-invoicing Tax Aggregator · Big-4 Tax Partner (India IRN) Logistics / Trade Logistics & Trade Partners Travel & Expense Concur (50 ICOs) Distributors / OEM Country distributors

How heavy is the transformation footprint? — and what's actually distinct

OM types · 1,428 ICOs · 1,185 are pass-through



■ No mapping (pass-through) ■ Graphical ■ Java ■ XSLT ■ Graphical/Java

1,185 / 1,428

Pass-through interfaces (83%)

No OM at all — pure routing or content-conversion.
Auto-convert with .

199 / ~150 unique

Graphical OMs

Direct port to CPI Message Mapping; ≥80% one-shot conversion.

38 / 12 unique

Java OMs (architect-led)

Heavy reuse: 28 of 38 ICOs share OM_Xml2Json_AttributeIssue (utility). The remaining 12 distinct OMs are the real work.

3 + 3

XSLT and Mixed

Smallest cohort — XSLT runs natively in CPI; mixed cases reviewed individually.

MAPPING TRANSLATION HEURISTICS

Graphical → CPI Message Mapping (direct port).

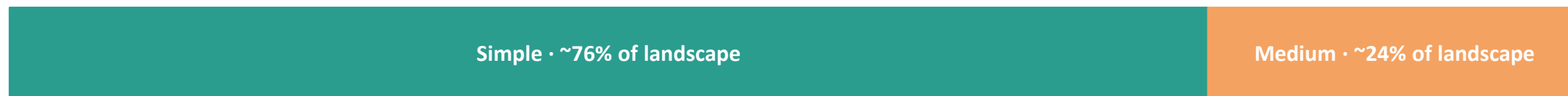
Java UDF → Groovy step or compiled JAR (script collection with iVolveAI workbench)

XSLT → Native XSLT step (no rework).

Value-mappings & lookups → Number Range / Data Store / Value Mapping.

ICO-level classification

E2E Interfaces (~1,400)



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



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

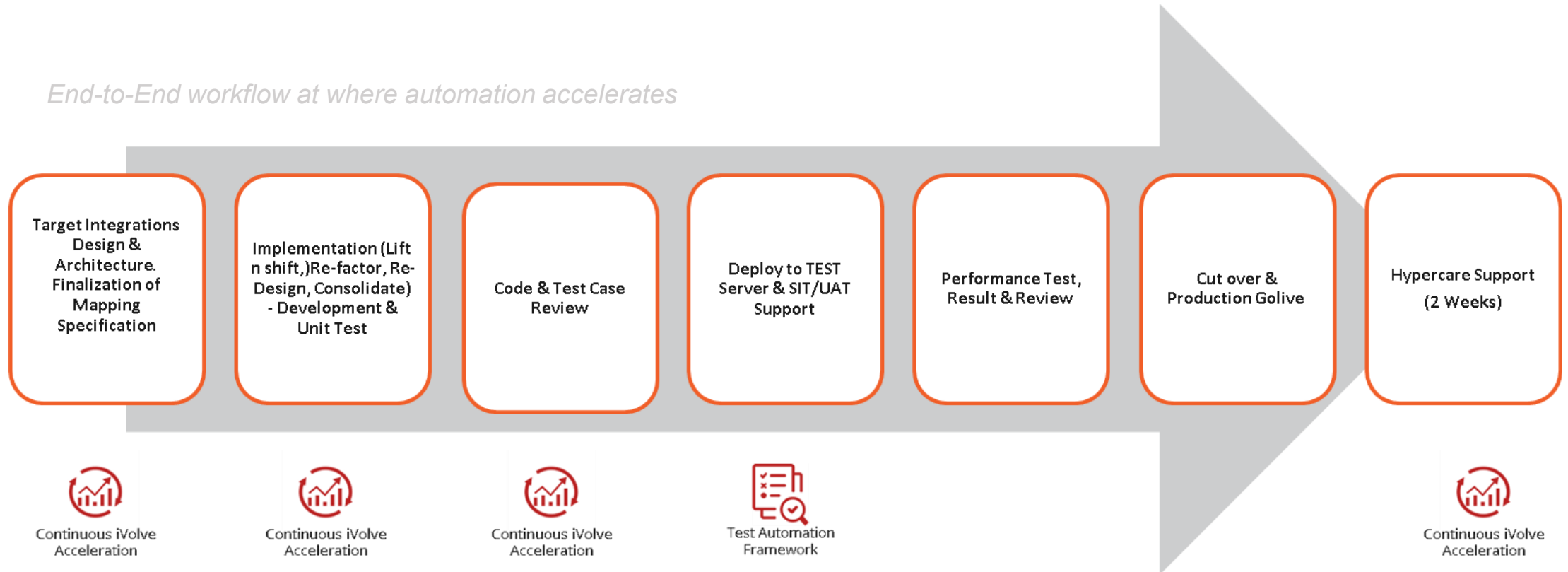
25 Sender Proxy (XI) S/4 outbound proxy interfaces — port to CPI proxy receiver.	54 Receiver Proxy (XI) S/4 inbound proxy — port to CPI ABAP proxy or A2X.	37 Sender RFC Z*-function modules; need EIC + Cloud Connector.	66 Receiver WS_AAE All to S/4 — collapse to standard SOAP receiver in CPI.
8 JMS (BLINK) RFC↔JMS bidirectional NZ/AU banking — Event Mesh candidate.	12 Java OMs (unique) Regional Bank, e-invoice (BE/DK/PL/RO), Marketplace Partner, internal systems.	10 AS2 TPM 10 agreements / 18 unique parties — TPM industrialisation.	199 Graphical mappings Direct port to CPI Message Mapping.

Four potential destinations, one rationalized target architecture

Re-platform iFlow	A2X API rationalisation	Event Mesh	Trading Partner Mgmt
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.	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.	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.	40 ICOs Industrialise B2B. 10 AS2 agreements / 18 unique parties move to TPM (built-in partner registry, MDN tracking, certificate rotation, archive). EDICOM bridge becomes one TPM partner among many.

Tarento-led End-to-End RASCI · Detailed

End-to-End workflow at where automation accelerates

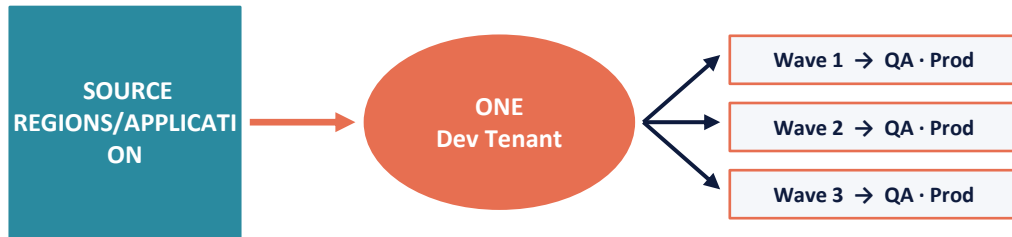


Two valid ways to execute the waves — strategic choice for Global Electronics Major

Same ~1,400 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

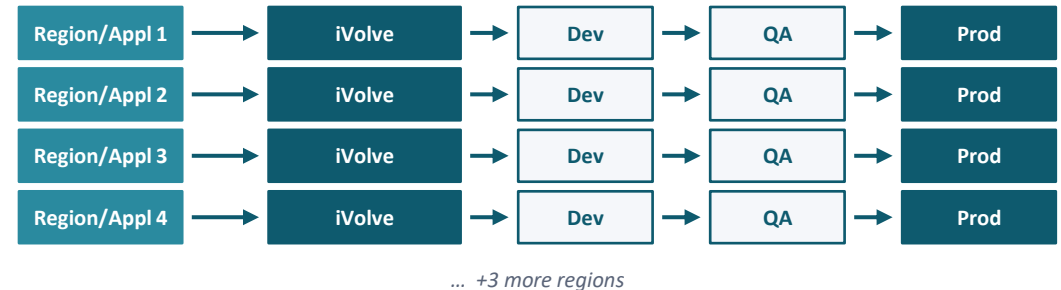
All regions/Applications converge into one Dev tenant. Reflect-and-Refine + auto-conversion happens once. Wave-based rollouts to regional QA/Prod tenants.

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



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.

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	Regulatory islands	Staggered re-cert
~1,300 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.	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.	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
Tier-1 & Regional Banks	200	Supernova + sub-stream	Wave 4 — bank-track inside Supernova; Anchor Bank first
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
BLINK NZ/AU JMS↔RFC bridge	8	Supernova	Wave 7 — Event Mesh + EIC, single architectural unit