

Z-CortexTM

An AI-Assisted Framework for SAP Custom Code Intelligence, Testing & Remediation

From Release Tax to Release Confidence.

The Challenge

Your SAP system runs on years of custom ABAP, Fiori/UI5, and integrations. That customization is a competitive asset, but it can also increase testing effort and release risk. Even a small code change can take days to locate, assess, and validate safely. As you move toward S/4HANA, that complexity only grows.

The ZCortex Solution: Three Strategic Pillars

CODE INTELLIGENCE	TESTING	REMEDIATION
Understand What You Have Automated inventory, documentation, and dependency mapping turn custom code into a searchable, governed knowledge base your teams can review, maintain, and reuse. 01 CATALOG Inventory prioritized Z/Y custom objects via RFC. 02 DOCUMENT Generate living technical context and dependencies.	Validate What Matters AI-assisted test cases trace to logic branches and business outcomes, helping teams improve coverage while reducing manual effort. 03 TEST Create linked test cases traced to object logic.	Fix What Fails Failure analysis and impact mapping help teams isolate probable causes, understand dependencies, and prioritize fixes faster. 04 EXECUTE Run API and UI validations in DEV/QA. 05 DETECT Analyze failures for root cause and guidance.
 The Core Insight: No tool can test code it does not understand. ZCortex establishes code context first so your existing investments (Tricentis, UiPath, SAP-native tools, and Azure DevOps) can operate against better documented objects.		

What You Get

- **Custom Code Knowledge Base:** Automated inventory, documentation, dependency maps, and known-issue history for your Z/Y objects.
- **Testable Specification Layer:** Linked positive and negative test cases traced to logic branches and business outcomes.
- **Automated SAP Test Executor:** API-layer validation through real SAP call chains, plus controlled Fiori/UI5 coverage in DEV/QA.
- **Defect & Transport Intelligence:** Clear probable cause, impact radius, and fix guidance to support faster triage.
- **Built-In Governance:** Defined controls for credentials, data privacy, AI model usage, and SOX-relevant evidence capture.

The Value You Can Expect

On a representative mid-size custom estate, Z-Cortex can deliver measurable annual operating value that increases with each release cycle.

\$207K – \$983K

Annual Operating Value

\$0.62M – \$2.95M

Three-Year Value

Value Source	Conservative	Base	Upper
Regression execution & release validation	\$120K	\$252K	\$504K
Defect RCA & triage acceleration	\$34K	\$79K	\$189K
Transport & change-impact screening	\$18K	\$52K	\$140K
Audit & SOX evidence efficiency	\$15K	\$45K	\$90K
Documentation, onboarding & knowledge transfer	\$20K	\$35K	\$60K
Total modeled annual operating value	\$207K	\$463K	\$983K

Why Z-Cortex Works

Framework over tool

We document the code before we automate it, so automation reduces risk instead of scaling it.

Named senior people, minimal handoffs

On a recent S/4HANA recovery, our senior team delivered more than 35% of development output as less than 10% of project resources.

Proof before promises

You evaluate us on real work in your own environment before any broader commitment.

Start With Proof, Not Promises

Bring us one real challenge from your environment, such as a custom object, failed test, or unresolved remediation issue. Our senior team will trace dependencies, identify the likely root cause, and document the remediation and validation path.

One Real Challenge • One to Two Weeks • No Cost • You Keep The Analysis

Ready to see Z-Cortex on your code? Contact your TotalTek account team to schedule a proof-of-capability sprint.