

Modernizing Legacy Banking Applications with Trusted AI

From years of specialist-led migration to an AI-powered modernization factory

A leading global bank needed to modernize nearly 1,000 mission-critical screens built on the proprietary Motif/UIMX low-code platform, spanning trading, swaps, settlements, and client-facing operations. Manual migration would have required approximately 1,000 specialist engineer-weeks - a multi-year effort constrained by scarce legacy skills, undocumented institutional knowledge, and regulatory requirements.



AI-Powered Modernization. Engineered for Banking.

An AI-powered Legacy UI Modernization Platform autonomously transforms Motif/UIMX interfaces into modern wxWidgets-based C++ applications, reconstructing complete application intent rather than simply converting code.

The platform brings together



Intelligent parsing to extract widget hierarchies, callback bindings, and metadata



A reusable migration engine with 80+ transformation rules



Locally hosted AI agents to resolve ambiguous exceptions with logged confidence and rationale for audit traceability



A governed Maker-Checker model where engineers verify and validate AI-generated outputs



100% on-premises AI inference using open-source LLMs, ensuring sensitive data remains within the bank's environment

Built on a repeatable framework

The platform automates application discovery, business rule extraction, code interpretation, screen modernization, and migration. The platform automates application discovery, business rule extraction, code interpretation, screen modernization, and migration. The framework is also being extended to other proprietary low-code platforms, creating a scalable approach to modernizing mission-critical application estates while preserving institutional knowledge and minimizing operational risk.



Impact at Scale

Real results. Measurable value. A faster, safer path to modernization.



95%+

reduction in migration cycle time from approximately one week to less than one day per screen



80%+

reduction in engineering effort through an AI-driven human-in-the-loop Maker-Checker model



Up to 50x

improvement in throughput enabled through parallel and overnight processing



12

production-ready artifacts per screen including source code, test suites, and QA reports



30–50

automated test cases per screen creating regression baselines for modernization



100%

on-premises AI execution preserving compliance and data sovereignty

From Legacy Migration to a Modernization Factory

The combination of deterministic rule engines, governed AI adaptability, human validation, and reusable modernization IP transforms modernization from a linear, SME-dependent exercise into a repeatable, software-driven model.

The result: faster modernization of mission-critical banking applications while preserving institutional knowledge, reducing operational risk, and keeping sensitive business logic and compliance controls securely within the bank's environment.



The Maveric Edge

Maveric Systems is a banking-exclusive technology specialist with 25+ years of domain expertise, engineering trust in AI-first banking. We deploy AI at the core through our proprietary AI@Scale framework and AI-powered platforms, guided by principles that engineer trust by design. Our pragmatic, outcome-driven approach, and AI services spanning advisory, CoE establishment and specialist competencies led engagements make us the trusted engineering partner for the AI era.

25+

years of domain mastery

7+

Operations and Technology AI CoEs

12+

AI powered Platforms and Solutions

AI@Scale

Proprietary Framework for AI adoption at Scale