

A VIRTUSLAB SOLUTION

VISDOM: AI-driven software delivery

VISDOM turns AI-driven software delivery into an agent-operable production system.

It removes the structural friction in context, execution, and validation across the SDLC that prevents agents from working reliably at scale.

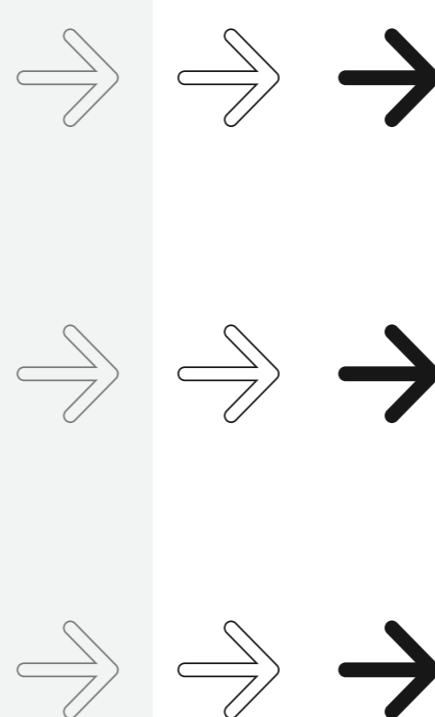
Why Existing Approaches Fail

A recurring enterprise pattern shows promising AI coding assistants spark early enthusiasm, only to see usage decline and ROI disappear.

Purchasing an AI coding assistant → Initial Excitement → Drop in Usage → Unsatisfactory ROI

AI Agents are missing context

AI can write code extremely fast, but the surrounding tools, CI/CD, and validation processes are still slow and disconnected. As a result, agents face inconsistent tests, unreliable CI signals, and unstable environments.



Standards that **change by directory**

Documentation that **assumes human intuition**

Infrastructure that **can't keep pace**

Critical knowledge often lives in developers' heads, PRs, and old threads instead of reliable documentation.

Instead of accelerating delivery AI agents introduce loops, regressions, and additional costs, which demand ongoing oversight from senior engineers.

VISDOM makes AI-driven software delivery fully agent-operable

VISDOM is built out of 3 elements:

CONTEXT FABRIC

Extracts essential information from development teams and builds around it a context for AI agents to work on.

MACHINE-SPEED CI

Agent runs 50 iterations in 5 minutes and uses CI as a sandbox for experimentation, not just production gate.

AUTOMATED RISK ASSESSMENT

The tooling layer continuously analyzes code changes, flags potential issues, and suggests or automatically resolves fixes.

Adopting **VISDOM** delivers:

- AI adoption with measurable ROI.
- Tighter feedback loops that compound over time.
- Automation that scales without losing control.
- Machine-speed CI with less noise and fewer regressions.
- Built-in harness and guardrails for AI-driven delivery.

Enterprise AI Delivery & Modernization Services

Alongside VISDOM, VirtusLab provides consulting, migration and modernization services powered by 15+ years of JVM ecosystem expertise.

AI-Driven Delivery Consulting

- AI readiness assessment across the SDLC
- CI speed, reliability & feedback loop optimization
- Context and standards audit for agent-based workflows
- Clear execution roadmap with measurable ROI

Migration & Modernization

- Java upgrades (8 → 17 → 21+) and framework migrations
- Maven / Gradle → Bazel build transformations
- CI/CD modernization & performance optimization
- Large-scale, production-safe platform migrations

VISDOM 2.0 Implementation

- Deployment of agent-operable delivery infrastructure
- Machine-speed CI enablement
- Context Fabric rollout across repositories
- Integrated automated risk assessment layer

Delivered with enterprise-grade tooling and strategic technology partnerships.

Partners and trusted solutions:

 EngFlow

 Moderne

 COSINE

 JETBRAINS

Real clients results

43%

reduction of PR merge times
for a leading investment bank

£100k

of monthly savings
for a top UK retailer

88%

decrease in built times
for a global freight forwarder

VirtusLab: Leaders in Developer Tooling

We are a European technology company enabling enterprises to boost developer productivity, modernize IT landscapes, and scale AI-ready platforms with confidence.

15+ years of developer tooling IP

Scala Lang, Metals (Scala LSP), Fury.

Builders of core developer tooling for globally recognized enterprises

Including top-tier investment banks

Tooling ecosystem leaders

Experts in MonoRepo and Bazel

Active OSS and developers' community contributor

160+ Github repositories, Organizer of leading Scala and Rust conferences, 20+ meetups, university collaborations

An organization **focused on putting infrastructure first**

Creators of Jenkins Operator and contributors to the Cloud-Native Foundation project

Development and Leadership

VISDOM - developed within VirtusLab's AI-driven Delivery Infrastructure Department

- Led by **Artur Skowroński**, Department Head at VirtusLab
- Expert in JVM ecosystem and delivery automation
- Leader of enterprise-scale transformations for **Fortune 500 and high-growth companies** across finance, retail, and technology
- Active community contributor and speaker at **20+ conferences in 2025** across Europe (app development, AI optimization, engineering excellence)
- Author of a book on **AI-powered software development**

