

Sabre Payroll

Next-Generation Payroll
Management for South
African Businesses.

99.9%

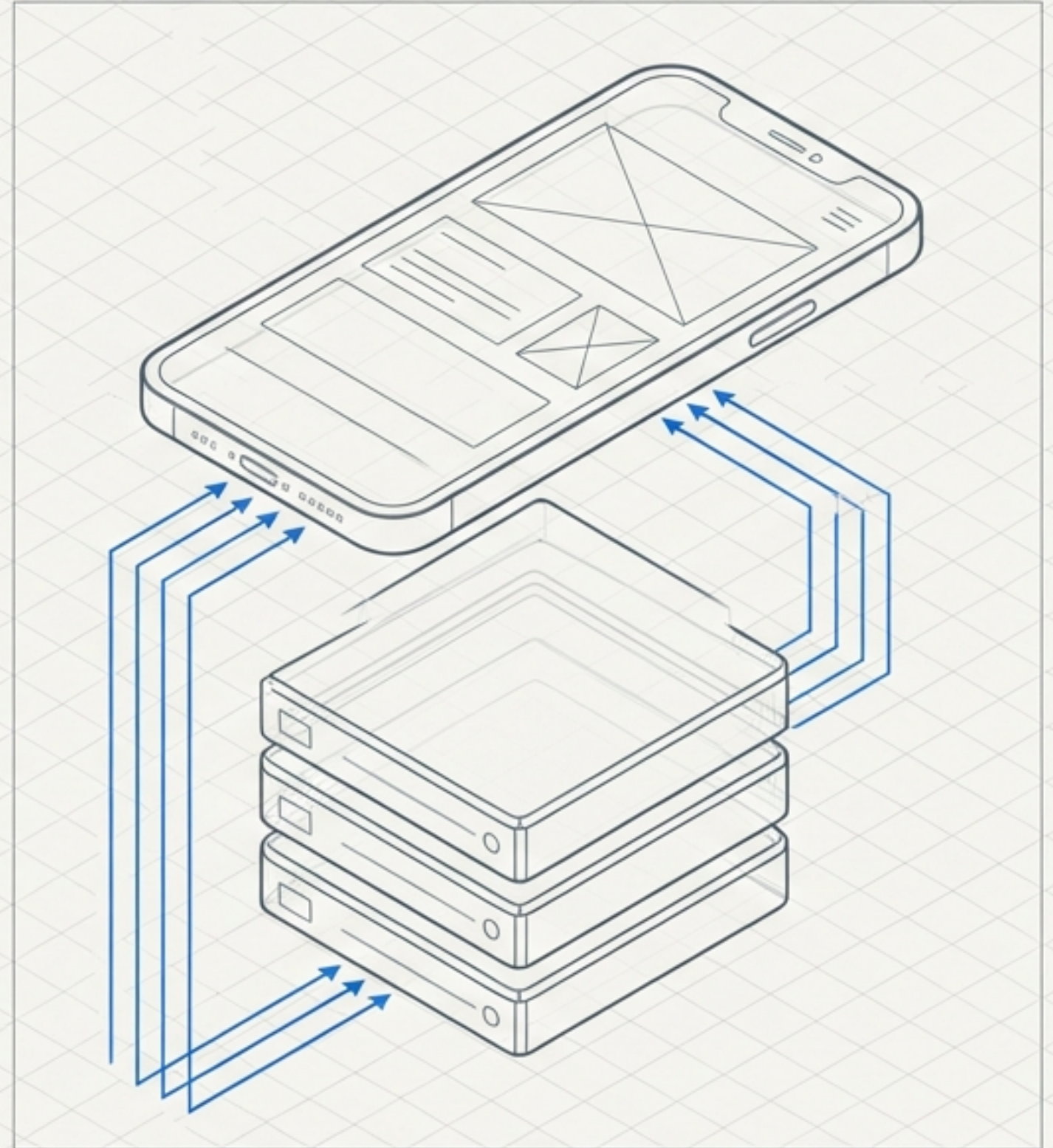
Uptime
Guaranteed

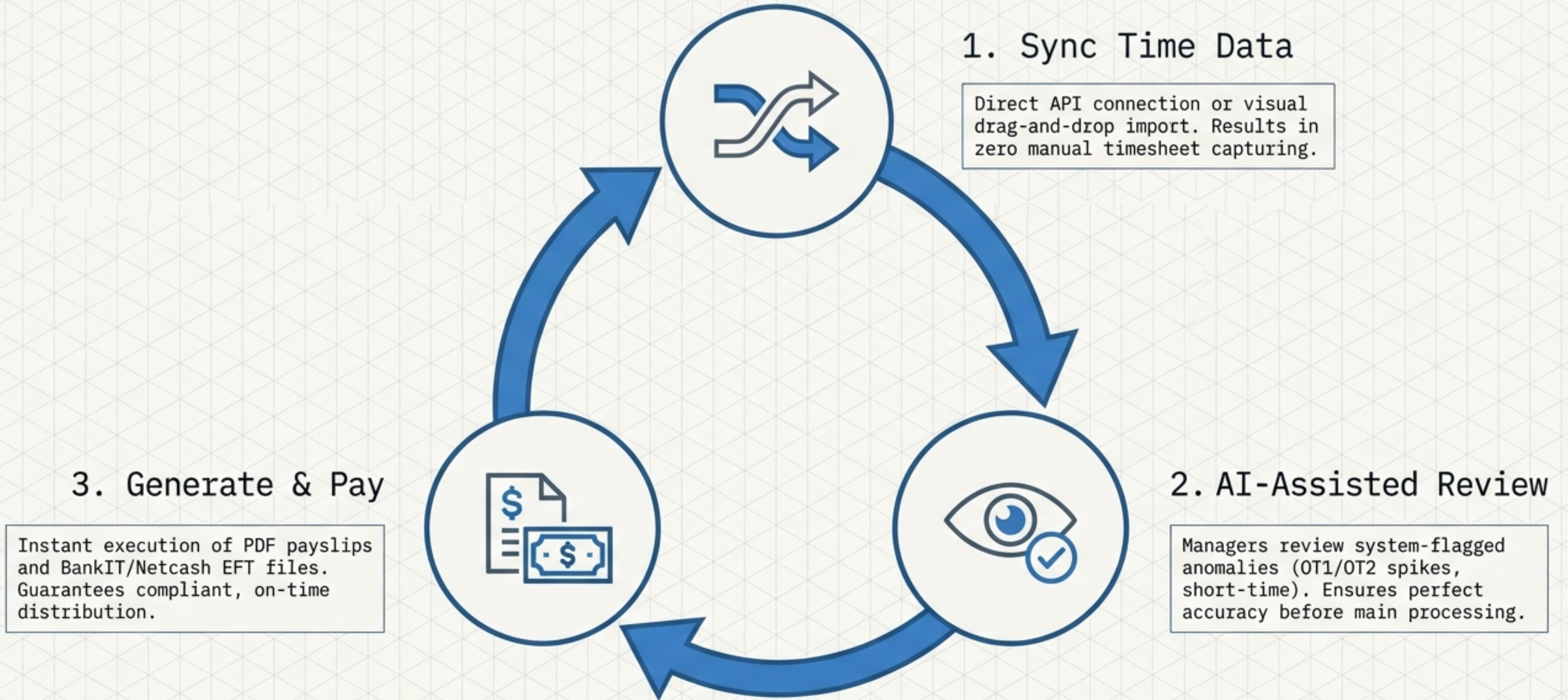
5M+

Payslips
Generated

Zero

SARS
Penalty Risks





SabreClock
(Port 1005)



← { attendance_sync: true } →

SabrePayroll
(Port 1006)



Clean Architectural Separation

Abandoning legacy shared-database models. Sabre Payroll uses an API-first connection to SabreClock, ensuring complete financial isolation and system stability.

Real-Time Data Sync

Automatically pulls attendance records, late minutes, and shortfalls via secure endpoints.

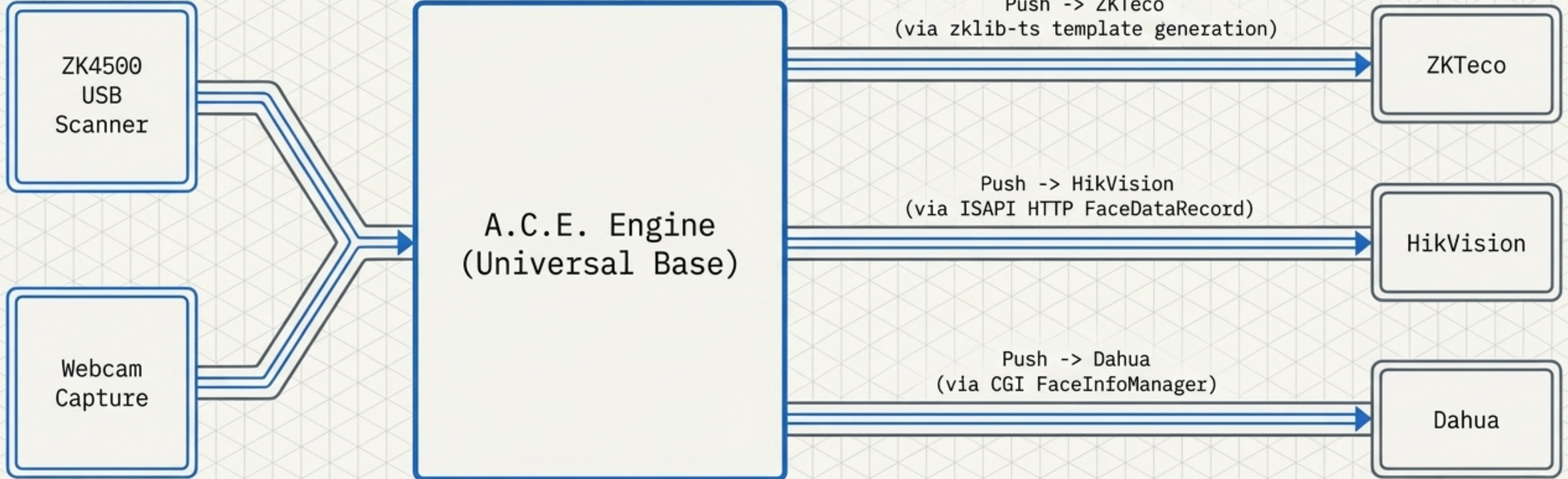
GET /api/employees/sync

Automated Enrichment

Raw hours from Port 1005 are instantly enriched with payroll-specific variables, including tax references, banking details, and earning tiers, on Port 1006.

The JPEG Advantage

Images are the universal biometric base. A.C.E. captures raw JPEGs centrally and pushes them directly to edge devices, allowing firmware to generate internal templates locally.

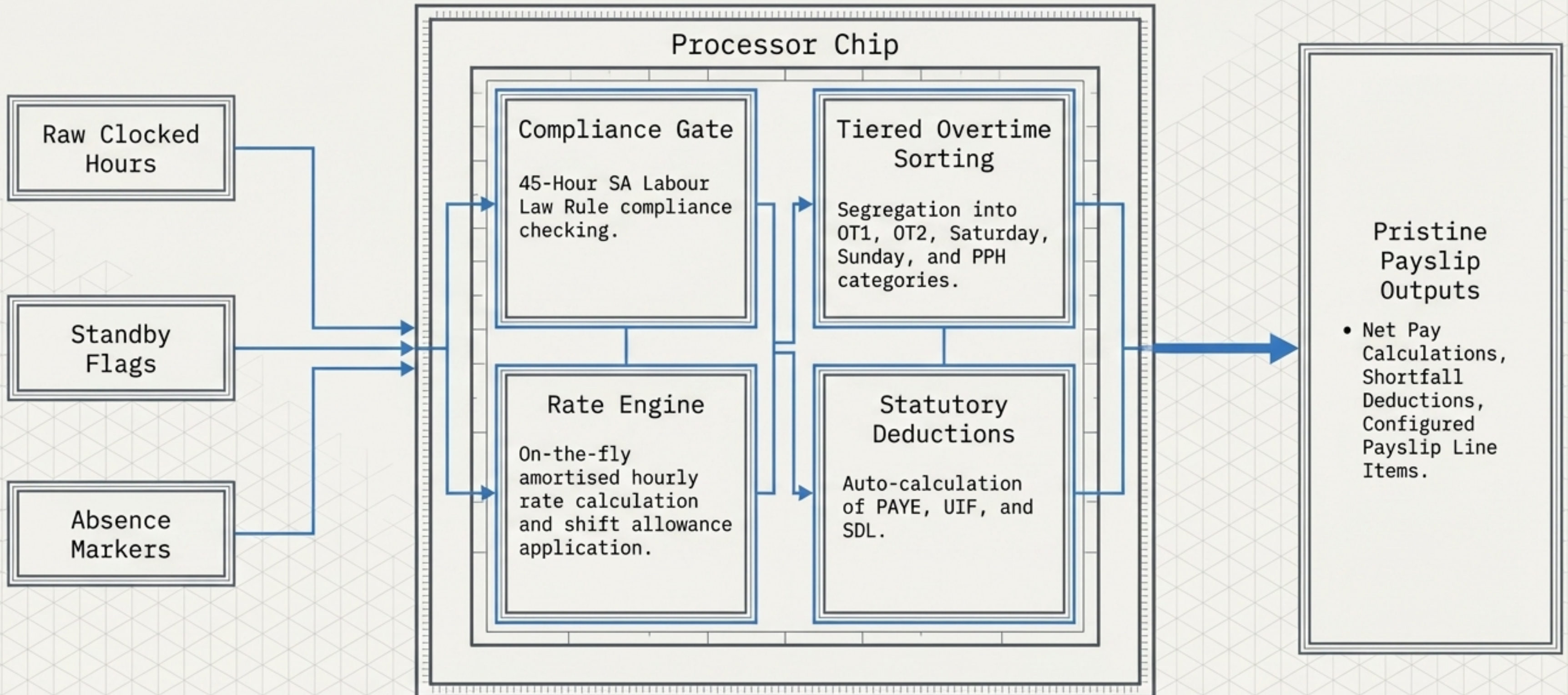


Diagnostic Comparison Matrix

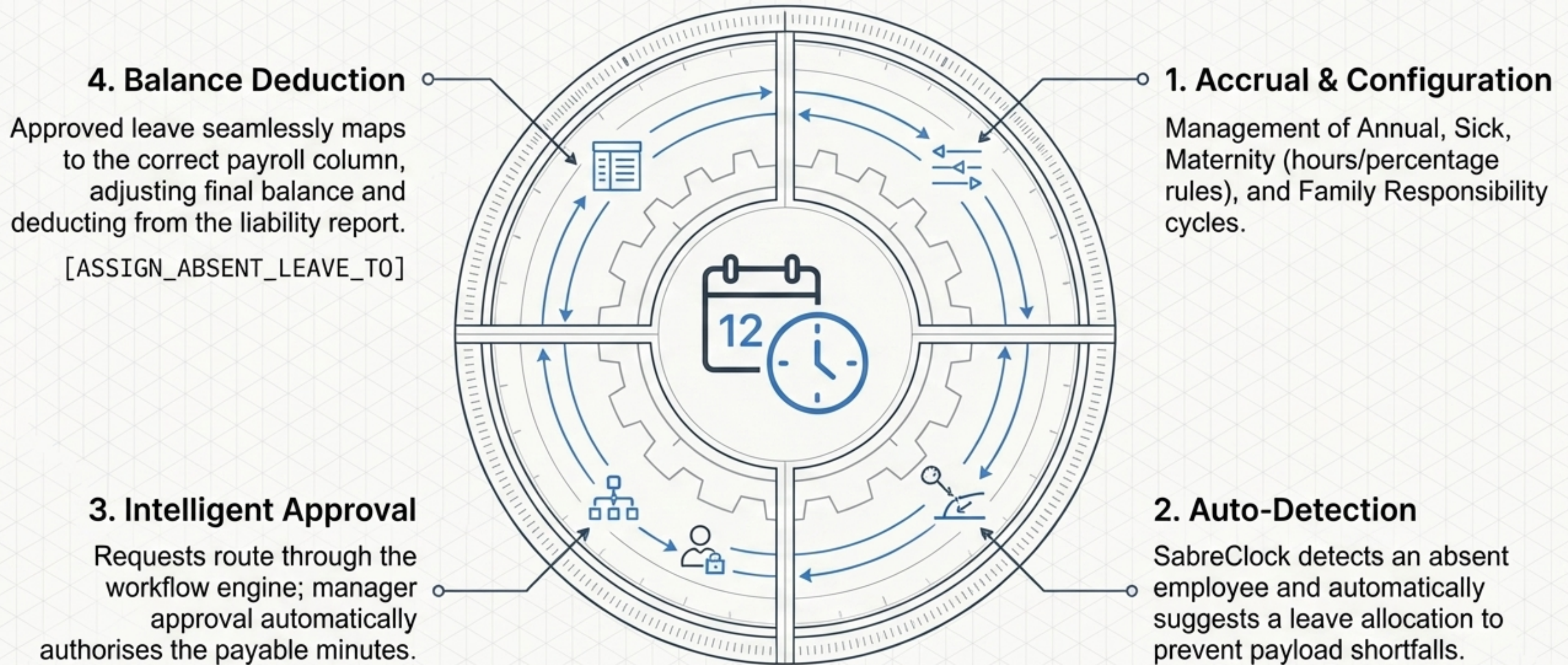
	ZKTeco	HikVision	Dahua	BioPC
SDK Cost	Paid SDK (Avoided via Bridge)	Free (Device Firmware)	Free (Device Firmware)	Zero Cost
Integration Protocol	TCP (ZK Protocol)	HTTP/ISAPI	HTTP/CGI	Local JS (face-api.js)
Face Enrolment Format	Internal Generation via ZK4500	Universal JPEG (FaceDataRecord)	Base64 JPEG	128D Descriptors
Fingerprint Capability	Native v9/v10 templates	Native HTTP API	Native CGI via API	Direct Image Comparison

Strategic Conclusion: The universal adoption of HTTP APIs and JPEG base formats entirely eliminates the need for expensive, proprietary SDK licenses for modern edge hardware.

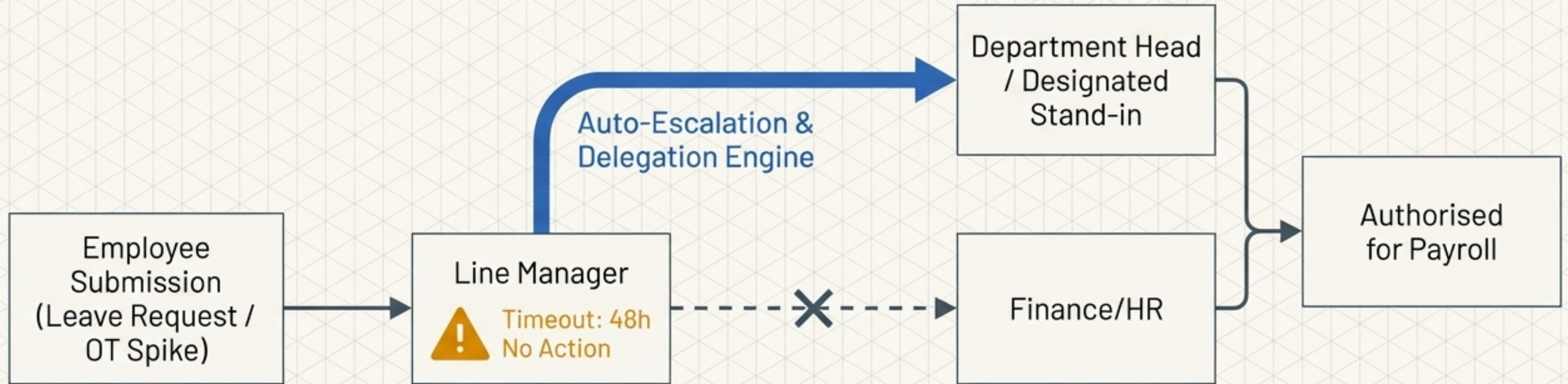
Strategic Payroll Processor



Leave Lifecycle Management



Intelligent Escalation & Delegation Routing



System Features: Split approvals (authorizing partial overtime), dynamic out-of-office delegationss, and real-time push notifications to mobile devices.

AI Insights Dashboard

Anomaly Detection Log

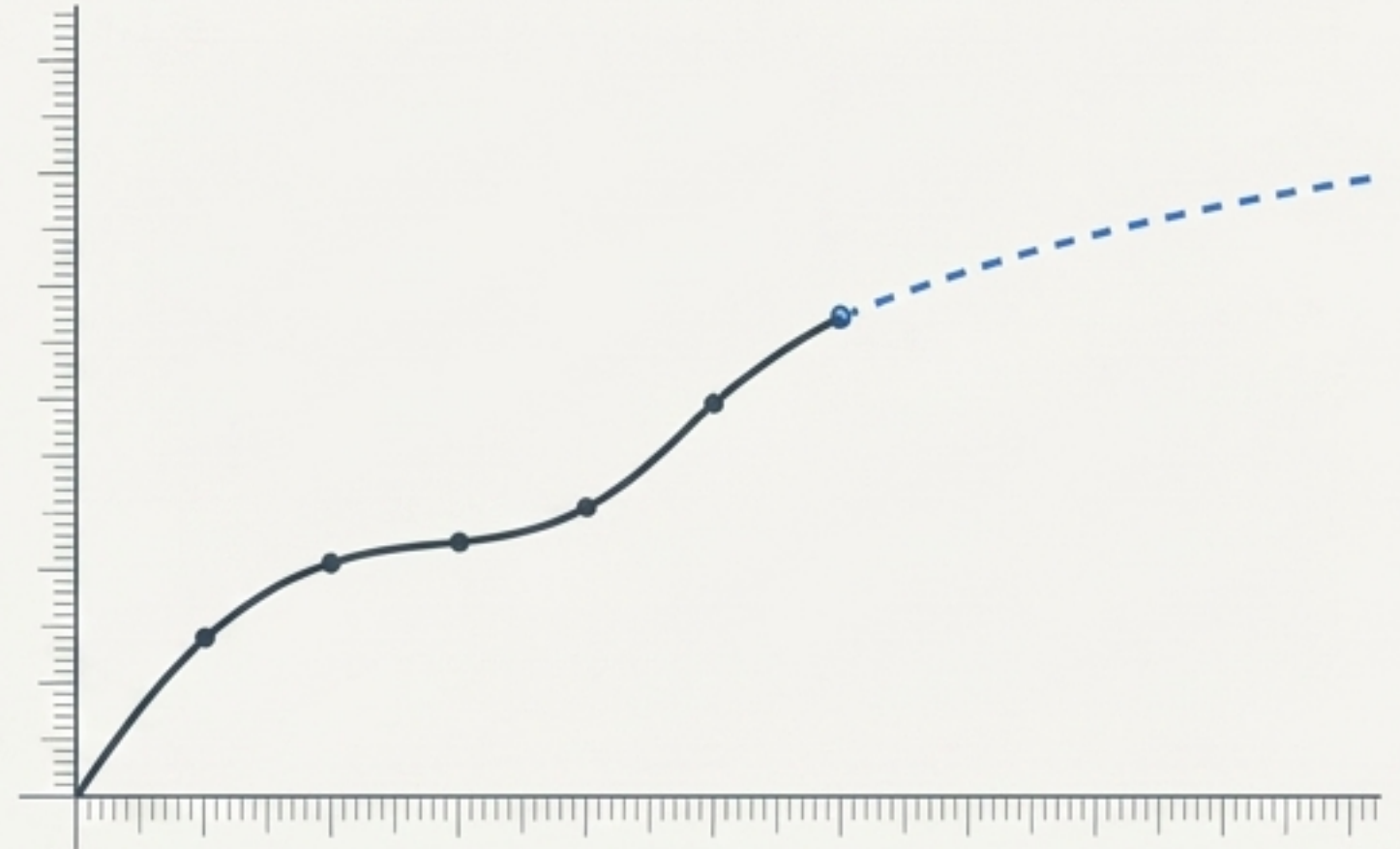
- ⚠️ Anomaly Detected: Employee paid beyond termination date.
- ⚠️ Rate Deviation: Overtime cost up 22% in Logistics department this week.

Natural Language Chatbot

User: Show me my last payslip and current leave balance.

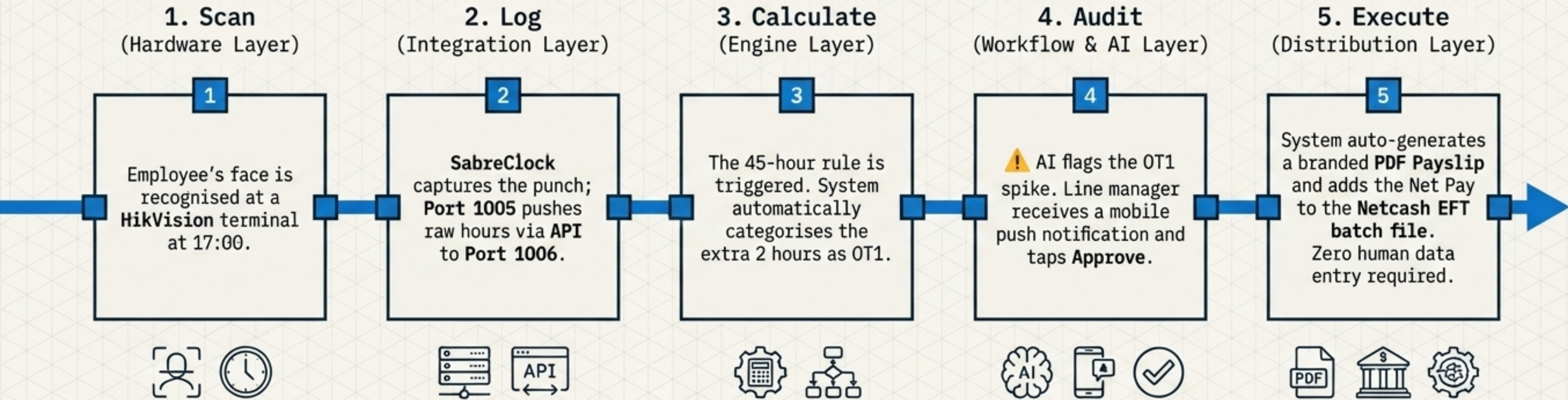
AI Assistant: Generating PDF link...
You currently have 14 Days Annual Leave remaining.

Predictive Cost Analytics



Forecasting next month's payroll cost based on historical overtime spikes and current leave liabilities.

The Zero-Friction Data Lifecycle



Progressive Web App (PWA) Features

Mobile-First PWA

Installable directly to staff devices, complete with a service worker for offline-capable payslip caching.

GPS-Tagged Clock-Ins

Remote staff or security guards can clock in via mobile with mandatory selfie capture and geolocation tracking.

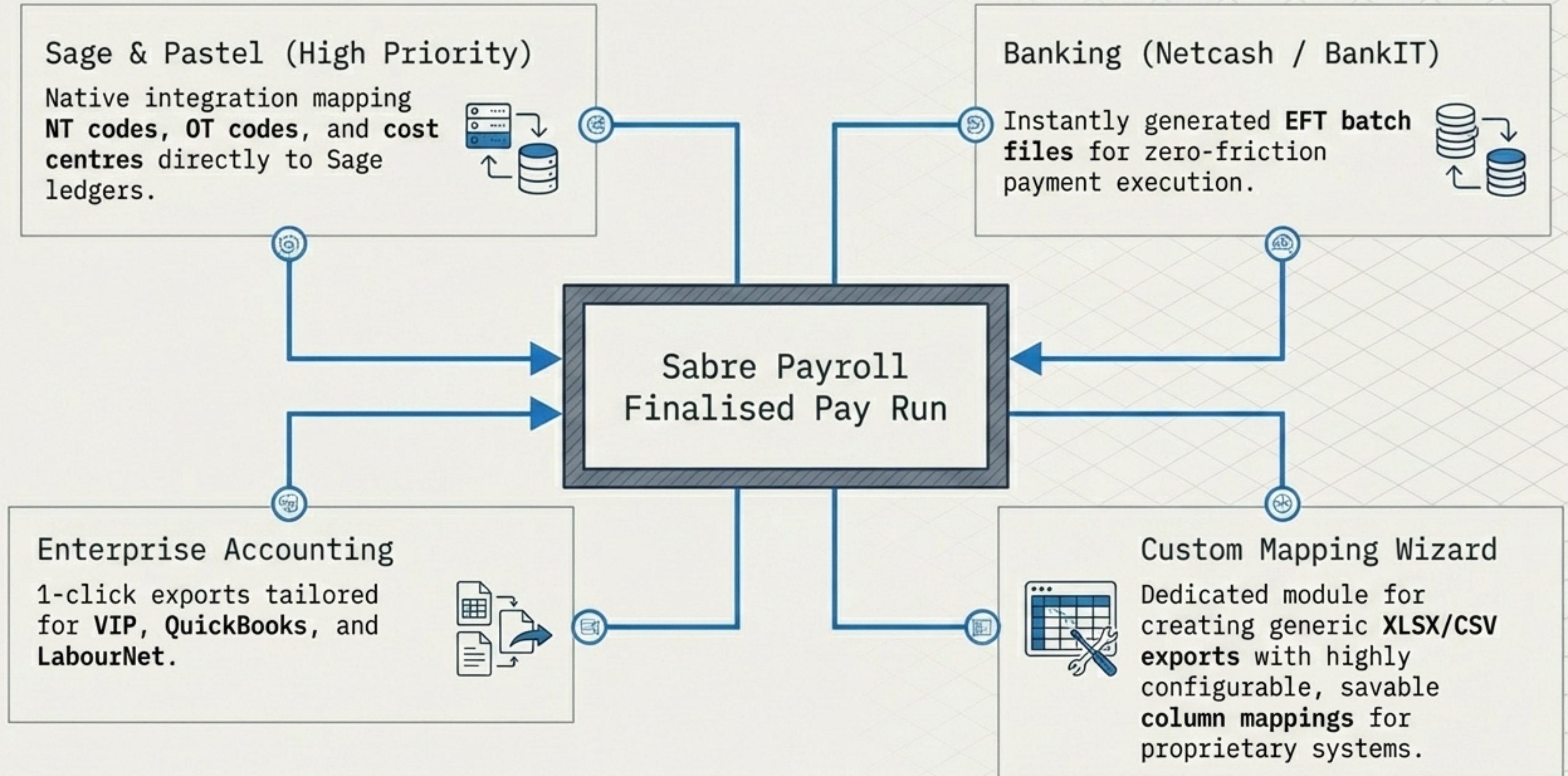
Expense & Subsistence Claims

Employees snap photos of receipts, categorise expenses, and submit them directly into the manager approval chain.

One-Tap Management

Instantly view upcoming pay dates, apply for leave, and update emergency contacts without HR intervention.





Security First

Strict financial separation from billing modules, multi-tenant organisation support, and comprehensive per-action audit trails built to exact Application Standards.

UX Interfaces

React SPA (Admin Dashboard) & PWA (Mobile ESS Portal).

Application API

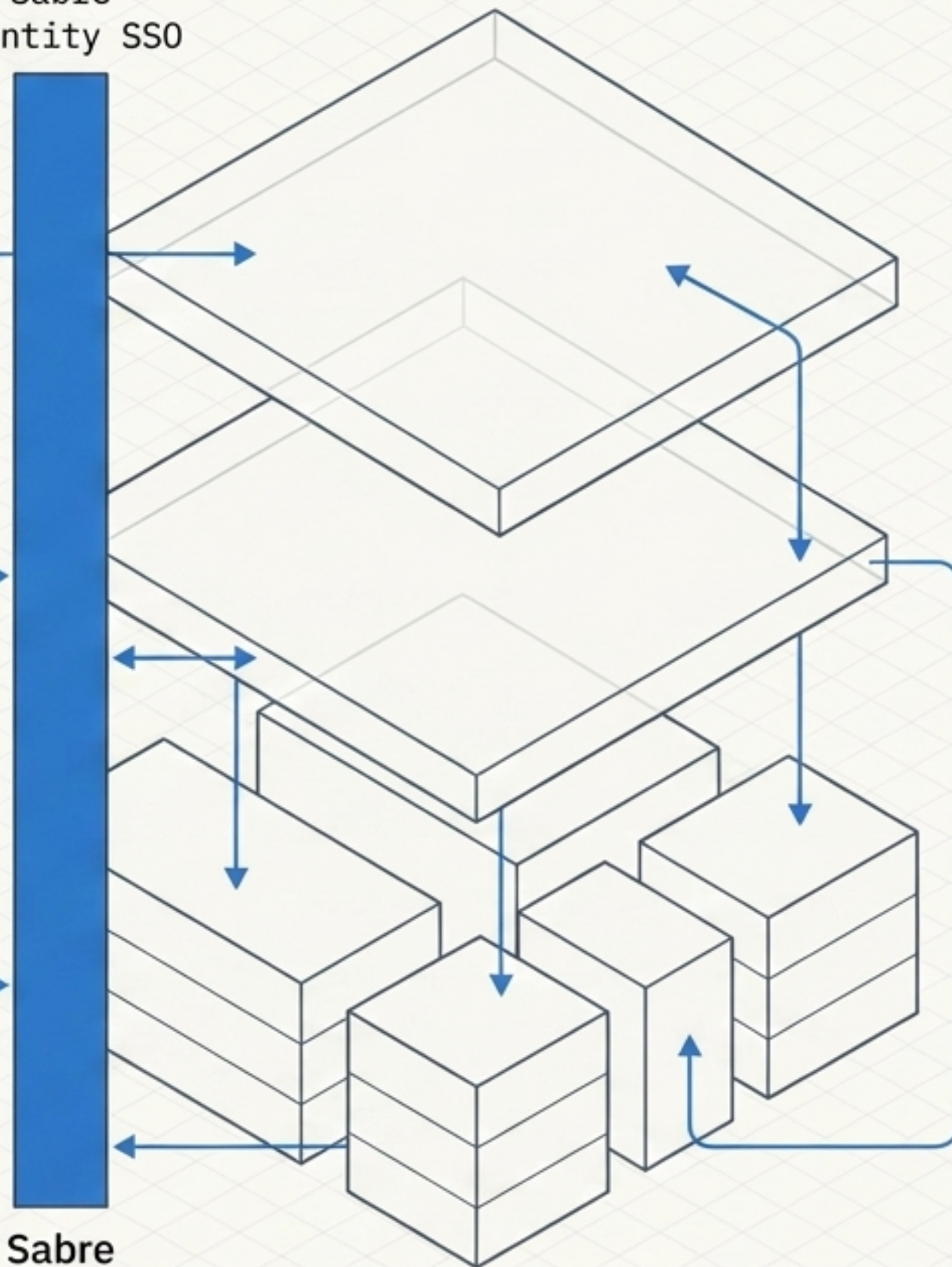
Node.js Express API. Handling multi-level approval chains, AI anomaly generation, and PDF document rendering.

Database Engine

SQLite structured schema. Separated strictly into Core Tables, Leave/Claims, and Analytics (anomaly_log).

Sabre
Identity SSO

Sabre
Identity SSO



Free

Target: Individuals
& Testing

1 Company, up to 2
Employees.

- Basic timesheet sync
- Standard PDF payslips.

Starter

Target: Small
Businesses

Up to 15
Employees.

- Everything in Free
- Basic accounting exports
- Automated email payslips.

Professional

Target: Growing
Agencies

Unlimited
Employees.

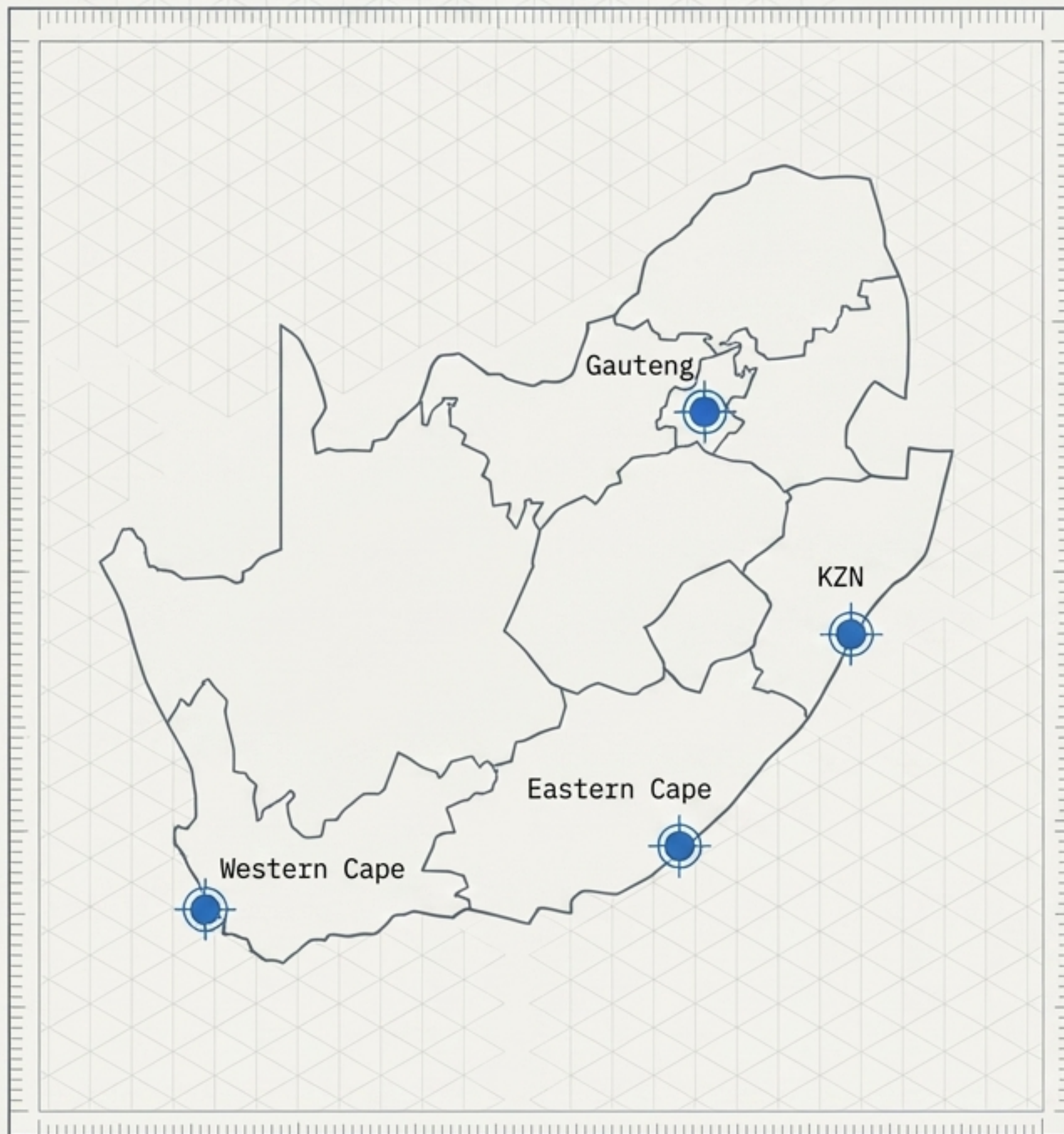
- Everything in Starter
- Advanced OT1/OT2 calculation rules
- Native Sage/Pastel integration
- Netcash EFT batch files.

Enterprise

Target: Large
Orgs/Partners

Unlimited
Employees.

- Everything in Professional
- White-label branding
- Priority support
- Full API access for custom integrations.



Ready for Deployment. 24/7 Local
Support across South Africa.

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Trial

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