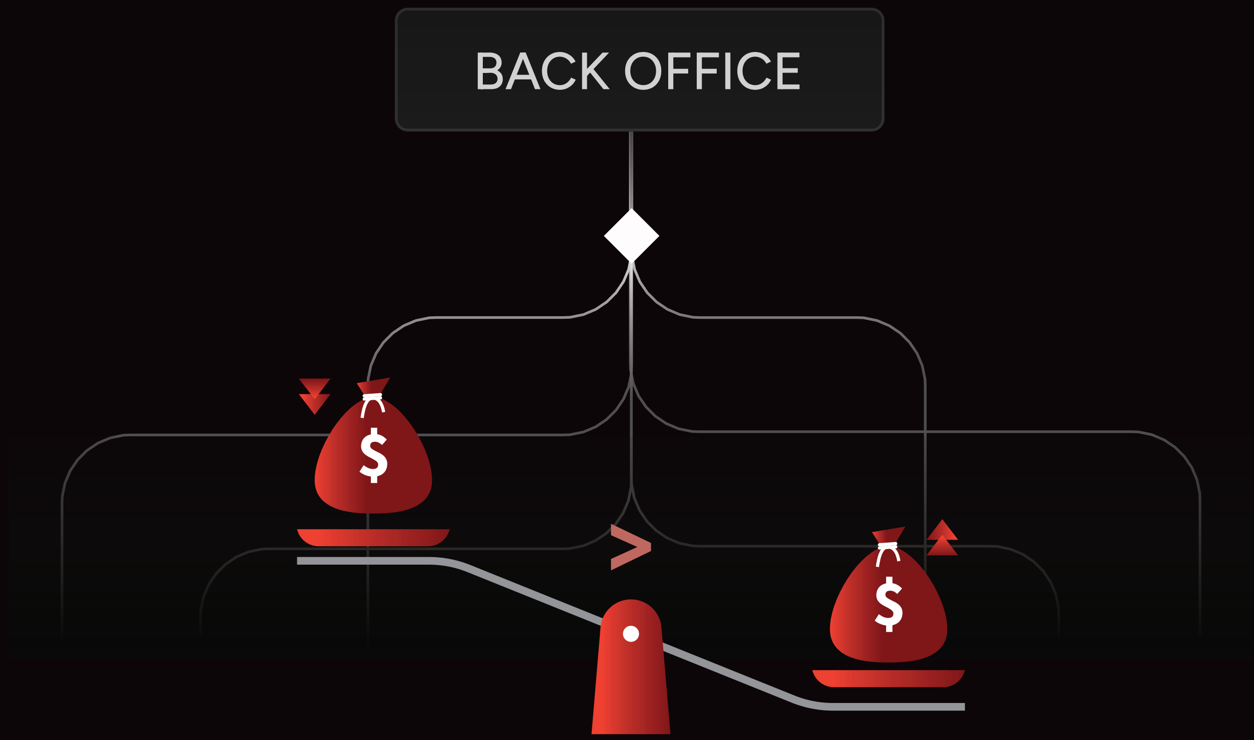


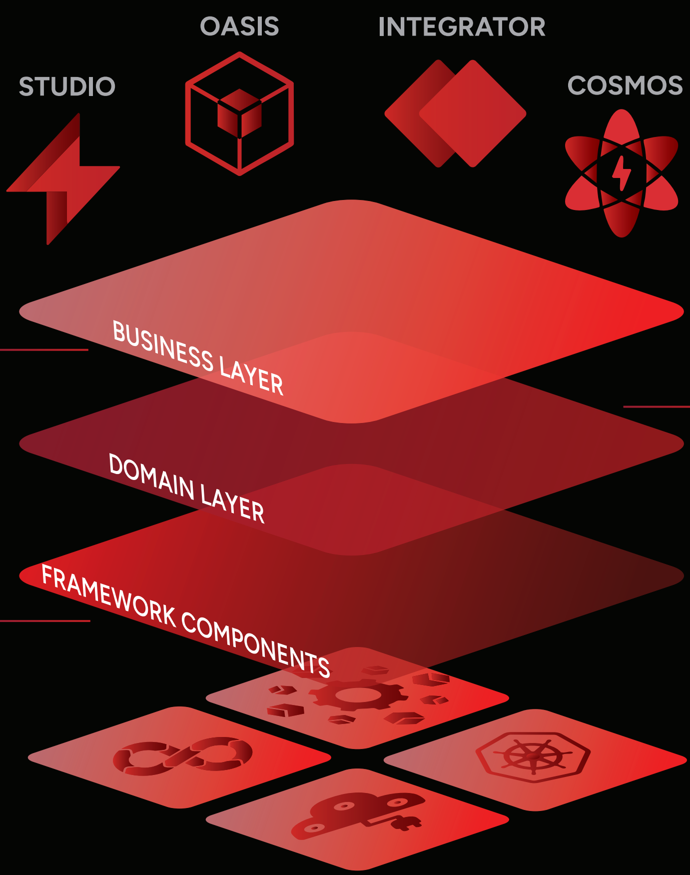

# FSS Recon AI

Next gen reconciliation, delivered now!

BROCHURE

FSS BLAZE™ is a next-generation, cloud-native payments platform designed to help banks and financial institutions modernize their payments infrastructure. Built on microservices architecture, it delivers unmatched scalability, performance, and flexibility, enabling seamless integration with existing systems and emerging digital ecosystems. Its modular design accelerates the launch of new services, helping banks stay ahead in a competitive and rapidly evolving market. By leveraging cloud technology, the platform reduces operational costs and enhances efficiency, making it a future-ready solution to meet the growing demand for innovative, high-performance payment systems.

# Anatomy of FSS BLAZE Platform




**Business Layer** forms a collection of modules which work for speficic business requirements for the domain
*For example -*
for payments domain, business layer defines specific product under the domain like a payment gateway

**Domain Layer** helps define common modules for a particular domain
For example -
transaction engine module,
fees & charges module,
user auth service module are common modules required across all payment products and are part of domain layer for payments

**Framework Components** are a collection of components working together to address a larger functional requirement.
*For example -*
communication framework
templatised UX/UI components
portal configuration
data & analytics

STUDIO - Low code payment application builder

INTEGRATOR - Seamlessly integrate to any modern or legacy system

OASIS - Data to intelligent insights in natural language

COSMOS - Generative intelligence, powered by AI/ML core

FSS BLAZE™, built on a robust microservices architecture, stands as a formidable backbone powering a resilient and dynamic transaction engine. This transaction engine is engineered to excel in the face of scalability challenges, ensuring success even under demanding workloads. The microservices architecture enables the transaction engine to break down complex processes into modular, independent components, allowing for seamless integration and orchestration. This approach empowers businesses to achieve scalability by adding more instances horizontally or enhancing computing power vertically, adapting to varying transaction volumes.

# Navigating the complexities of **transaction reconciliations**

### MANUAL PROCESSES

Manual data entry and matching introduce costly errors and drag out reconciliation.

### DATA COMPLEXITY

Fragmented sources and inconsistent formats trigger frequent mismatches.

### REGULATORY PRESSURE

Tightening regulations demand fast, accurate reconciliation and transparent audit trails.

### DISPUTE MANAGEMENT

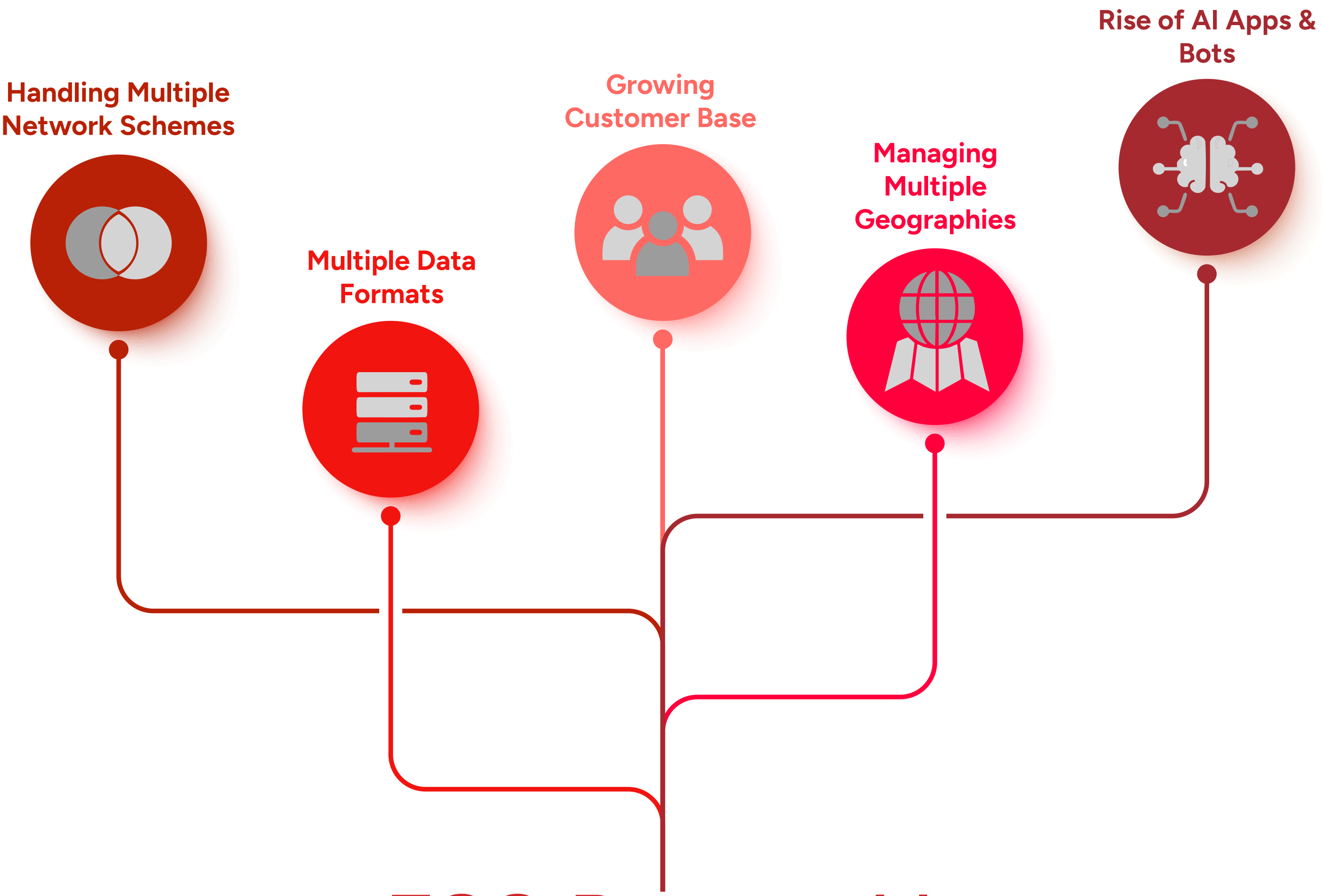
Rising chargeback volumes overwhelm teams, risking penalties and unhappy customers.

### SCALABILITY

Legacy methods buckle under growing transaction volumes, creating backlogs.

# From chaos rises order - introducing *FSS Recon AI*

In navigating through the complexities of payments, banks also have to manage the chaotic nature of transaction handling. This is being caused primarily due to:




## FSS Recon AI Suite

- 2-Way, 3-Way & 4-Way Transaction Reconciliation
- Chargeback
- Settlement
- End to End Dispute Management
- Integrated AI & RPAs

Creating order out of the chaotic world of transactions, FSS Recon AI enables banks to not just manage the data, but also do it faster, smarter than ever before.

# Zero touch, intuitive reconciliation

**FSS Recon AI lets you set up the data, reconcile any transaction type, gain post reconciliation visibility, and drive completion of transaction settlement on a single platform with a low-code, highly configurable interface.**

FSS Recon AI - built on new-age data platforms and microservices based cloud native architecture - is a reconciliation software specifically designed for financial institutions to meet the need for multi-party data reconciliation. It simplifies the reconciliation process by automating data extraction, reconciliation, matching, and report generation in a single touch of a button, which in turn helps financial institutions save significant time and costs.

| | | | |
|---|---|---|---|
| **300K+**<br>Reconciliations per second, fastest in the market | **70%**<br>Reduced manual efforts | **>80%**<br>Faster reconciliation cycle times | **50%**<br>Lower direct costs as compared to semi automated processes |
| **200K+**<br>Multi-currency trans-actions reconciled annually | **12 Billion**<br>Successful annual reconciliations | **50%**<br>Quicker exception handling | **200%**<br>ROI in 24 months |

**Onboard new modules instantly with a single instance**

**Improve SLAs and cut operational errors**

**Boost STP, lower costs and accelerate time-to-market with AI**

# A highly acclaimed feature rich end to end recon solution

| Customer Pain Point | How FSS Recon AI Addresses It |
|---|---|
| Multiple, siloed reconciliation workflows across channels | Unified enterprise platform that consolidates all reconciliation processes |
| Manual dispute handling with slow turnaround times | Proactive, SLA-driven dispute management with automated remediation actions |
| Inconsistent escalation procedures | Configurable escalation matrices and task-based workflows |
| Data integration errors and validation gaps | End-to-end, multi-source data ingestion with real-time validations |
| Undetected excesses or shortages at settlement level | Granular interchange-level settlement checks to pinpoint and resolve discrepancies |
| Rigid, one-size-fits-all matching logic | Fully configurable, priority-based matching rules tailored to your business needs |

### Highly Configurable Workflows

Complete control over input files, reconciliation rules and output formats.

### Integrated GL Reconciliation & Cross-Verification

Built-in general ledger matching for end-to-end accuracy.

### Channel-based Dispute & Chargeback Management

Lifecycle tracking with automated actions and SLAs.

### PCI DSS–Certified Security Framework

Enterprise-grade protections and audit logging.

### Multi-Class, Multi-Currency Support

Reconcile any payment type across any currency.

### Multi-Institution Setup

Single instance servicing multiple entities or business units.

### Dynamic, Customizable Reporting Engine

Ad-hoc dashboards and scheduled reports for critical operational insights

### Cloud-Ready Deployment

Available on Oracle, AWS or Microsoft Azure for rapid scalability.

# Fast, really fast processing
# for your growing needs

In today's digitally propelled business environment, the number of active variables operating within the payments and banking business has increased significantly. A global increase intransaction volumes, primarily due to an increasing affinity by consumers towards digital payments, multiple data formats as transaction data originate from multiple channels.


Channels like ATM, POS,online banking, mobile banking, smart devices, and many more, has led to a rise in demand for faster reconciliation cycles and processing time. FSS Recon AI is benchmarked to process~300,000 reconciliations per second.

# Reconciliation for the future

## Human time is precious, so we automate

Automation can have huge impacts in streamlining your close workflows – taking over the mundane tasks and leaving you available for larger opportunities. FSS Recon AI provides high configurability of systems and powerful scheduling options for data extraction, reconciliation, matching, and report generation. It supports scheduler-based batch processing of transactions and helps automate critical reconciliation processes.

## Right on the mark, every single time

Institutions often struggle and incur high operational workloads reconciling millions of transactions because of the prevalent systems of manual or semi-automated processes, which are both timeconsuming and prone to inaccuracies. FSS Recon AI ensures accuracy in transaction matching – every transaction, every time - that saves institutions both time and money.

## Sentient design - by humans, for humans

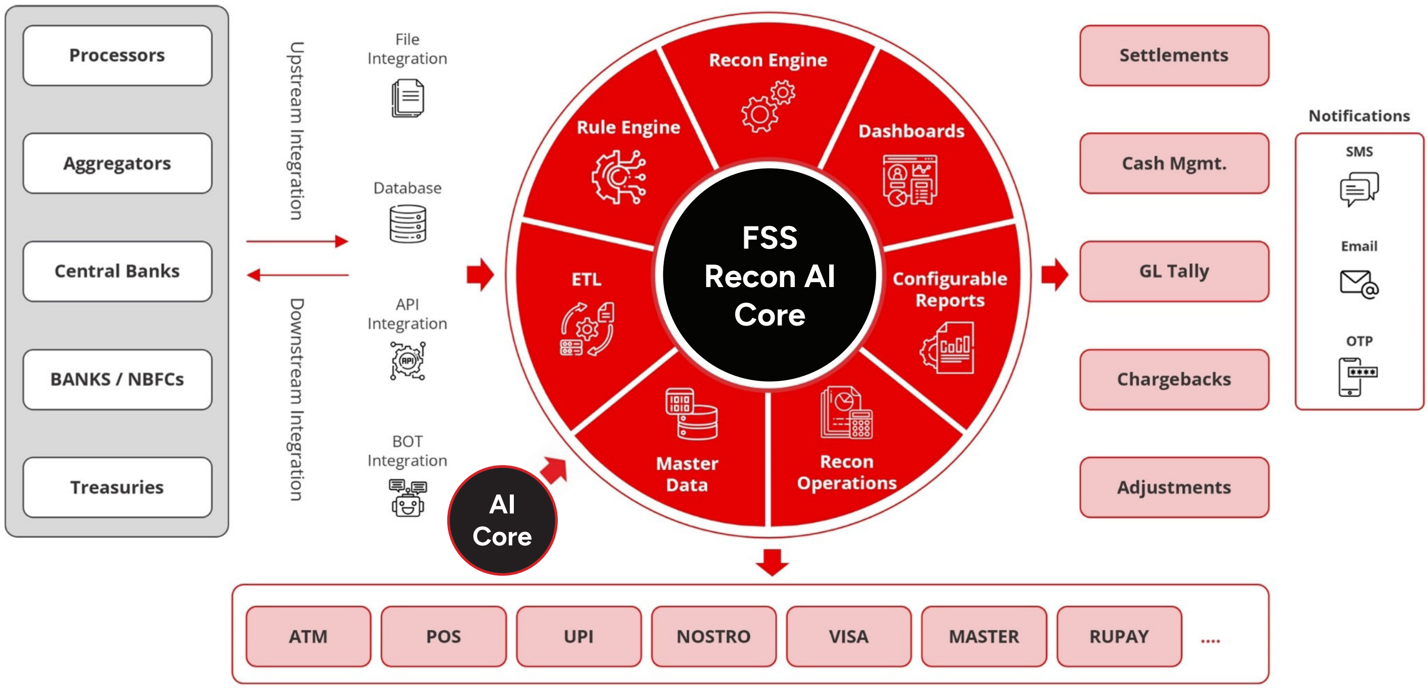
Banking provides the perfect arena for Artificial Intelligence to flourish, with a large number of transaction data and processes being generated in day-to-day banking. FSS Recon AI is propelled by AI and ML technologies to identify and manage data, powerfully expedite operations with just-in-time notifications and alert system, and provide intelligent reporting and dashboards with NLP-based search.

## Intelligent tech for expanding markets

A modern-day payments business is not only expected to offer all the services and cater to all stakeholders at a global scale but is also expected to deliver the services in real time.
FSS Recon AI aims to make this technology alignment fast, automated, accurate, and risk-free for new-age financial institutions and payment businesses. At FSS, we understand the complexities of operating a new-age payments business and as strategic technology partners, it is our mandate to equip these businesses with future-proof, user-friendly, transparent technology solutions that are not only industry-ready but also industry leading.

# FSS Recon AI Core

# Simplifying the complex




The illustration maps how FSS Recon AI ingests, processes, and distributes reconciliation information across the payments ecosystem.

## Upstream data acquisition

- Multiple counterparties: processors, aggregators, central banks, banks/NBFCs, and treasuries, supply transaction files and reference data.
- Connectivity is flexible: file transfers, direct database taps, RESTful / ISO 20022 APIs, and bot-driven hand-offs all feed the platform.
- This bidirectional link supports both upstream (data import) and downstream (processed data return) movement.

## Core processing engine

At the centre lies the **FSS RECON AI CORE**, a modular engine comprising:

- **ETL Services** – normalise and stage multi-format inputs.
- **Rule Engine** – user-defined matching, tolerance, and exception logic.
- **Recon Engine** – high-volume, multi-leg matching across sources.
- **Master Data Hub** – single source for static reference tables.
- **Recon Operations Console** – queue-based exception handling and maker-checker controls.
- **Dashboards & Configurable Reports** – real-time KPIs, ageing, break trends, and audit trails.
- **AI Core** - for analysing complex data, automating manual workflows, and automatic email responses.

## Downstream outputs & controls

- Reconciled results drive settlements, cash-management sweeps, general-ledger (GL) tally, chargeback automation, and adjustment postings.
- A built-in notification framework issues SMS, e-mail, and OTP alerts to operators or external systems.

## Channel & scheme coverage

The solution reconciles any payment rail or account class -- ATM, POS, UPI, Nostro, Visa, Mastercard, RuPay, and additional schemes -- via a single ruleset, ensuring enterprise-wide consistency.

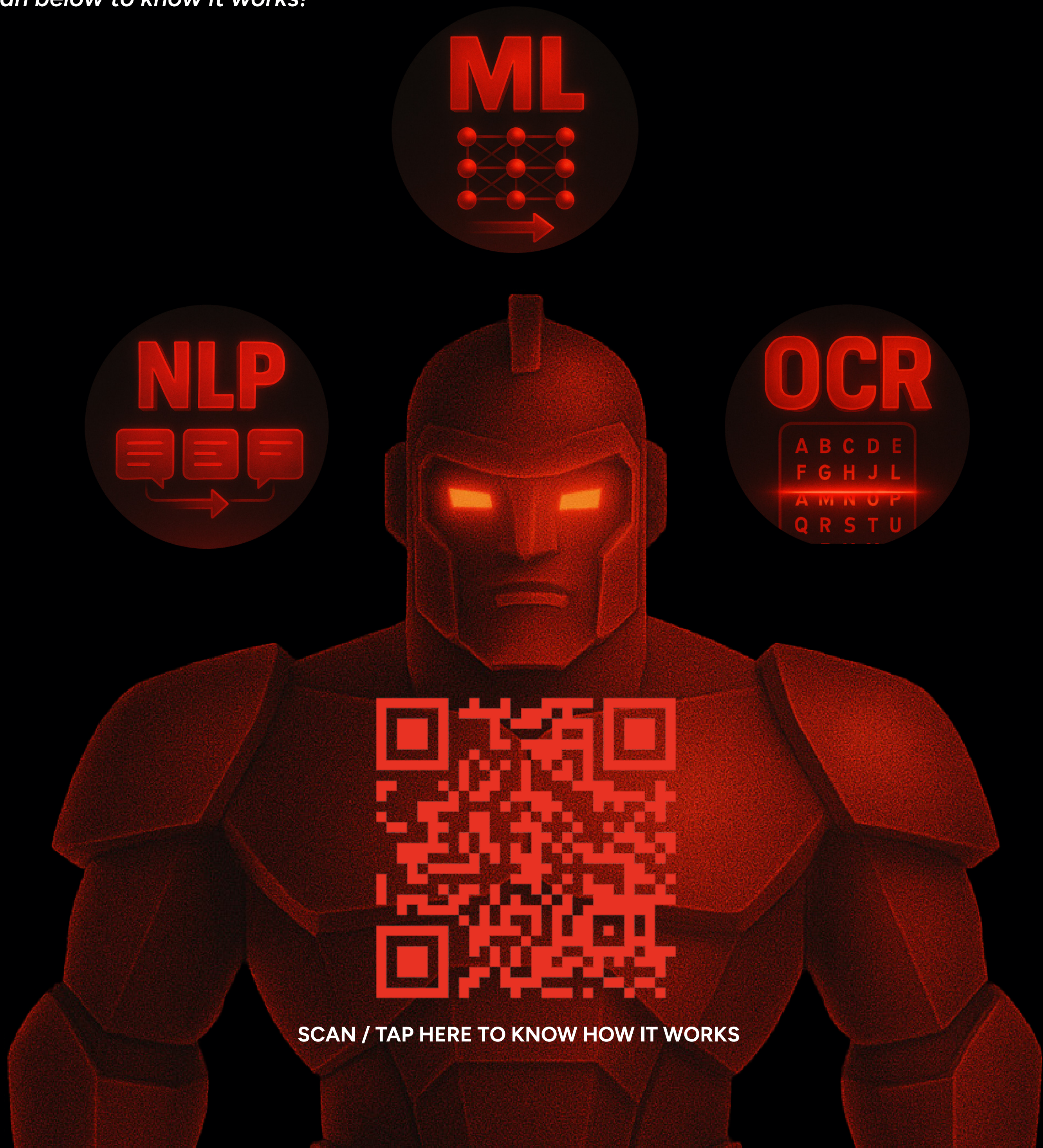
Together, these layers deliver a fully automated, end-to-end reconciliation lifecycle that shortens close cycles, reduces manual breaks, and strengthens financial and regulatory confidence for issuers, acquirers, processors, and central institutions.

# Supercharged with AI Agent for Chargeback Processing

An intelligent, automated system designed to streamline and accelerate chargeback dispute workflows for financial institutions and reduce the overall human or operations tasks. This AI-powered solution leverages cutting-edge Natural Language Processing (NLP), Machine Learning (ML), and Optical Character Recognition (OCR) technologies to analyze incoming emails, extract critical data, and automate dispute resolution processes.

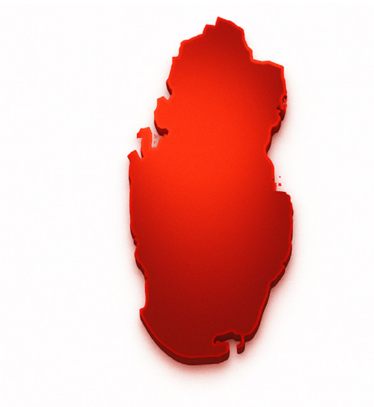
- **Automates the handling of dispute-related emails and attachments.**
- **Extracts and validates transaction data, amounts, and supporting evidence.**
- **Enables seamless integration into existing systems for end-to-end workflow automation.**

*Scan below to know it works!*



# Creating
# global impact

At FSS, we understand the complexities of operating a new-age payments business and as strategic technology partners, it is our mandate to equip these businesses with future-proof, user-friendly, transparent technology solutions that are not only industry-ready but also industry-leading.

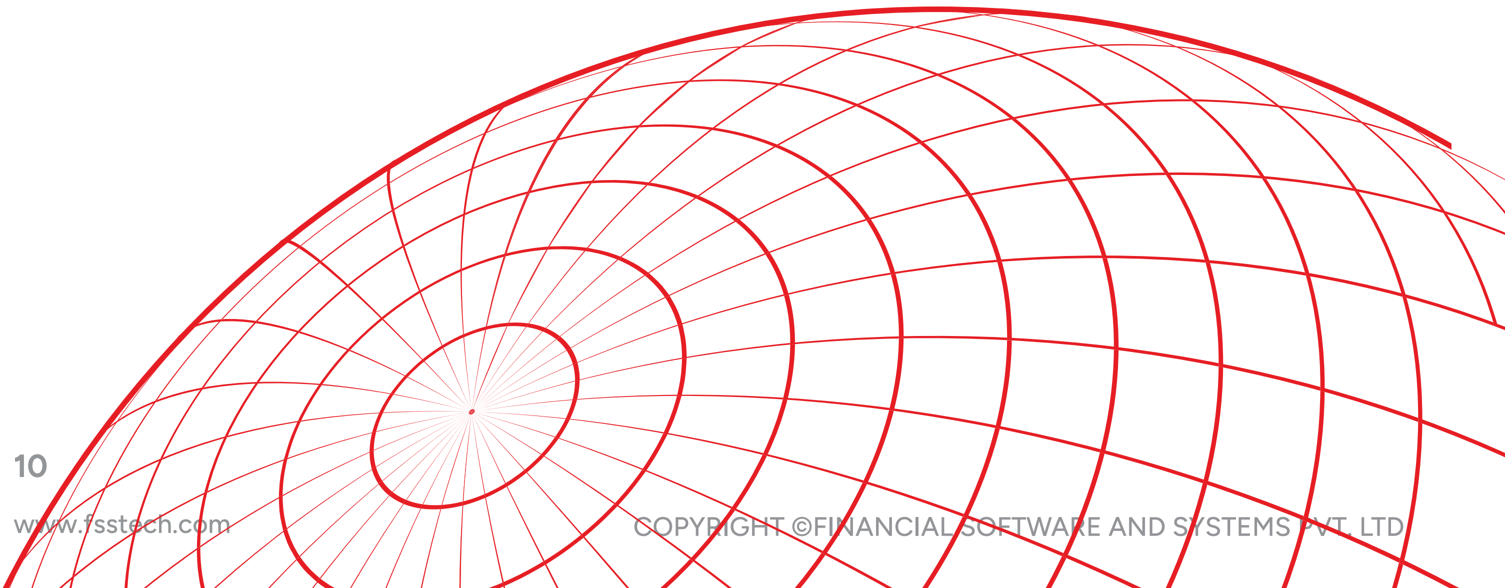


## Simplified reconciliation in Qatar for Qatar National Bank (QNB) with a centralized system

- FSS deployed a centralized system across acquiring & issuing for multiple schemes, multi-country support, end to end dispute management and automation.
- QNB saw 30% reduction in skilled manpower cost
- 50% reduction in time spent on recon processing and exception handling.
- Operational errors and losses reduced, resulting in increased efficiencies and improved SLAs.

## Helped achieve efficiencies at scale for HDFC bank, India’s largest private sector bank

- HDFC wanted a customizable solutions for its various offerings.
- FSS has been helping the bank reconcile >3 Million transactions daily.
- 1 Million + POS transactions reconcile daily.
- Enabled for domestic interchange, IMPS, and Micro ATMs network as well.



# Your partner in the transformation journey

Our technology, your business.
We power the tech, so you can focus on your core competencies.

We laid the foundation of
**India's ATM network**

**34 years of experience**
in architecting national payment infrastructures

**2000+ payment experts**
building reliable payment products and providing support 24x7x365

**Continuous innovation**
in partnership with policy makers, schemes, regulators and leading global institutions

**7 national level deployments**
building national payment architecture across ME and Africa

# The world leader in digital payments

**150+**
customers

**26**
countries

**800M+**
cards issued

**5**
continents

**7B+**
transactions processed annually with FSS Switch

**3B+**
transactions processed annually on FSSNeT

**>30%**
share of transactions as India's largest IMPS processor

# Empowering Commerce, Communities, & Economies

FSS
POWERING PAYMENTS

## ABOUT FSS

Financial Software and Systems (P) Ltd. or FSS is a leader in payments technology and transaction processing. FSS offers an integrated portfolio of software products and hosted payment services built over three decades of experience. Headquartered in India, FSS services leading global banks, financial institutions, processors, central regulators, and governments across North America, UK/Europe, Middle East, Africa, and APAC.

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