Launch a European fintech

A modular reference architecture for a European account, payment and card product. It separates regulated infrastructure, product technology and control functions so teams can assess UK, EEA and multi-market variants independently.

LAYER 1 / REQUIRED

Core ledger or core banking

Maintain the product ledger, account rules and financial product configuration.

- ☐ Real-time double-entry ledger
- ☐ Product configurability
- ☐ Migration and reconciliation controls

Thought Machine — Cloud-native core and product engine
Mambu — Configurable cloud core
Tuum — Modular core banking
10x Banking — Cloud-native core platform
Pismo — API-based core banking and ledger technology

LAYER 2 / REQUIRED

Regulated accounts and payment rails

Provide accounts, safeguarding or deposit infrastructure and access to relevant payment schemes.

- ☐ Exact regulated entity and jurisdiction
- ☐ Named, virtual or pooled account model
- ☐ Domestic and SEPA rail coverage

ClearBank — UK and EEA account and clearing infrastructure
Swan — Embedded accounts and payments
Solaris — Banking infrastructure
Griffin — UK embedded banking
Modulr — Payment accounts and scheme access
Clear Junction — GBP and EUR accounts, virtual IBANs and payment connectivity

LAYER 3 / OPTIONAL

Card programme

Provide sponsorship, issuing processing, programme operations and tokenisation where cards are required.

- ☐ BIN and scheme-role clarity
- ☐ Geographic programme coverage
- ☐ 3-D Secure, tokenisation and dispute tooling

Enfuce — European issuing and processing
Wallester — European card issuing

Thredd — Issuer processing
IDT Finance — BIN sponsorship and programme services

LAYER 4 / REQUIRED

Identity and business onboarding

Verify individuals, businesses and beneficial owners.

- ☐ Country and document coverage
- ☐ KYB and UBO depth
- ☐ Manual-review workflow

Sumsub — KYC, KYB and screening
Trulioo — Global identity and business verification
Fourthline — European KYC and AML onboarding
Persona — Configurable identity workflows

LAYER 5 / REQUIRED

Financial crime controls

Screen customers and monitor transactions throughout the lifecycle.

- ☐ Sanctions and PEP data
- ☐ Transaction-monitoring tuning
- ☐ Case management and reporting

ComplyAdvantage — Screening and transaction monitoring
Hawk AI — Transaction monitoring and fraud
Napier AI — Screening and transaction monitoring
Unit21 — Monitoring and case management

LAYER 6 / REQUIRED

Fraud and reconciliation

Detect payment fraud and reconcile provider, ledger and bank records.

- ☐ Real-time fraud controls
- ☐ Common identifiers across systems
- ☐ Exception and settlement reconciliation

Feedzai — Payment fraud and financial-crime controls
Featurespace — Behavioural fraud detection
SEON — Device and digital-footprint risk
Form3 — Payment processing and scheme connectivity

Questions to ask providers

- ☐ Which legal entity contracts for each service and in which jurisdictions?
- ☐ Which responsibilities remain with the product operator rather than the provider?
- ☐ What are the implementation, approval, testing and migration timelines?

- ☐ How are incidents, exits, data portability and business continuity handled?
- ☐ Which country should launch first, and what changes for later markets?