

ORDER MANAGEMENT & SETTLEMENT PLATFORM

Every trade, aligned end to end

alignTRADE delivers end-to-end control across the trade lifecycle — from order routing and execution to negotiation, clearing and settlement — within a single unified system aligned with Tadawul's market infrastructure. It supports both brokerage custodian and independent custody models, empowering brokers, custodians and institutions to manage multiple markets and products with speed, transparency and complete compliance at every step.

SERVES BROKERAGE | CUSTODY | ASSET MANAGEMENT | INSTITUTIONAL TRADING

Order Management

Multi-market execution & routing

- **Multi-Market & Multi-Product** — Main Market, Nomu Parallel Market and OTC across equities, Sukuk, mutual funds, ETFs and REITs in one interface
- **Intelligent Order Routing** — automated routing for optimal execution with compliance checks, pre-trade validations and configurable rules
- **Online Trades & Mobile Trading** — facilitates clients to grab market opportunities through our sophisticated online trading portal and Mobile Trading App
- **Working Orders & Negotiated Deals** — algorithmic and time-sliced execution, plus off-market bilateral block trades
- **Real-Time Limit Monitoring** — dynamic pre-trade risk controls and exposure tracking across clients and instruments

Custody

Holdings, settlement & corporate actions

- **Investor & Portfolio Management** — centralised onboarding and KYC with a consolidated real-time view of client portfolios
- **Holdings & Transfers** — securities holdings synchronised with EDAA, enabling secure stock transfers between accounts
- **Security Pledging** — pledge and release of securities as collateral with real-time visibility for lenders and borrowers
- **Settlement Instructions** — automated capture of EDAA settlement instructions, daily reconciliation with prioritise and hold-release functions, and account transaction generation on T+2 settlement
- **Fail Settlements** — monitoring and management of failed settlement instructions, with cash compensation calculated from the late settlement fee and price difference per day
- **Corporate Actions & IPO** — end-to-end processing for IPO allocations, dividends, rights and splits, from announcement through to exercise

Cash Management

Outbound payments and inbound credits

- **Complete Account Visibility** — confirmed, reserved and expected funds across every bank and currency at a glance
- **Customer Virtual IBANs** — a dedicated virtual account per customer; every inbound credit auto-identified and posted correctly
- **Intelligent Channel Routing** — sweeps, customer payoffs and vendor payments transformed into each bank's required format
- **Automated Reconciliation** — bank statements matched to payment records, updating balances and surfacing exceptions
- **Block & Settle** — funds reserved when a payment is raised and released on settlement, tracked through SARIE submission and confirmation
- **Foreign Currency Payments** — cross-border, multi-currency instructions with exchange rate handling

Clearing

Muqassa CCP, collateral & post-trade

- **CCP Account Maintenance** — setup, mapping and synchronisation with Muqassa's central counterparty clearing infrastructure
- **Collateral & Limit Management** — pledged collateral valuation with automated margin calls, haircuts and configurable intraday limits
- **Post-Trade Management** — trade capture, matching, Rectify, Aggregate, Split and confirmation events with full audit trails
- **Trade Rejections** — trades rejected by Muqassa are captured and listed with their reason, so the operations team can act on them
- **Giveup-Takeup Trades** — the equivalent of Rectify across members rather than within member accounts, executed through FIXML messages
- **Comprehensive Monitoring** — real-time margin, open position and collateral coverage tracking that flags breaches before they become risk
- **Trades Reconciliation** — two-way reconciliation between executions received in order management and trade captures received from Muqassa via FIXML

Customer Relationship

Individual & corporate customer lifecycle

- **KYC based onboarding** — institutional, resident and international customers in one workflow
- Automated identity verification and AML screening
- Continuous risk monitoring and fraud protection
- Audit-ready regulatory reporting on customer records

Accounting

Multi-ledger accounting engine

- **Multi-ledger platform** — corporate, omnibus off-balance-sheet and fund ledgers
- Customisable pre-built Chart of Accounts templates for capital market institutions
- Atomic voucher engine posts multi-leg entries across every book at once
- Balance Sheet, Profit & Loss, General Ledger, Sub Ledgers, Cost Centers and Cashflow

Market Information

Real-time market data service

- **Live market status** — session state, trading halts and instrument-level suspensions surfaced as they change
- **Real-time stock prices** — best bid/ask, last traded price and depth streamed from Tadawul TIP
- **Index details** — TASI, Nomu and sector index levels and movements at a glance

Platform Infrastructure

PURPOSE-BUILT CONNECTORS – ULTRA-LOW LATENCY, ABSOLUTE MARKET SYNCHRONICITY

Tadawul FIX

Xstream iNet spec for high-speed automated order submission

Tadawul TIP

Real-time, uncompromised market data ingestion

Muqassa

Native FIXML for real-time clearing and status updates

Edaa

Native custody and automated settlement instructions

FIX-IN / DMA

Direct Market Access for low-latency institutional execution

Bank Adapter & Router

Outbound payment dispatch and inbound bank statement ingestion

Application Framework

• Customer Portal & Mobile App

Facilitate customers to place and monitor orders, view portfolios and balances, and execute transactions.

• Eco-System Integration

Transactions via secured REST APIs; every status change pushed back through webhooks.

• Workflow & Control

Configurable multi-level approvals before execution, with a complete tamper-proof audit trail.

• AI-Powered Assistance

An AI chatbot across back office, portal and apps – get position insights and perform transactions conversationally.

• Role-Based Security

Granular role-based permissions across every channel, with maker-checker controls and a full audit trail.

• Message Notification

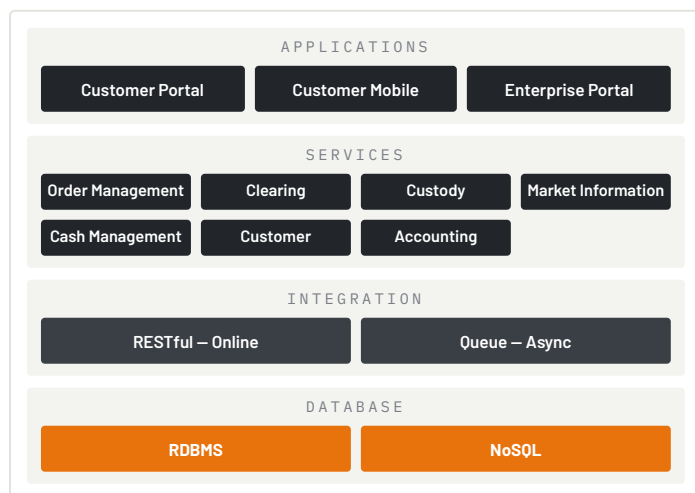
User-defined, template-based message dispatching for individual and batch Email and Push notifications.

Technology

ON-PREMISE

CLOUD

A banking-grade stack – compliant, fault-tolerant and built to scale.



- **Applications** – multi-platform web and mobile edge interfaces built for customers, dealers and internal staff.
- **Microservices** – independent, horizontally scalable service containers isolating core business domain logic.
- **Integration** – native market protocols alongside synchronous RESTful APIs and asynchronous event-driven message queues.
- **Database** – polyglot persistence pairing a transactional RDBMS with high-velocity NoSQL schema flexibility.

The primary advantage of this layered architecture is **separation of concerns**. By isolating the system into distinct, decoupled tiers – Applications, Services, Integration and Databases – each layer has been developed, maintained and scaled independently without impacting the others. This modular structure protects the core database behind security boundaries, and enhances reusability by letting multiple frontend applications share the exact same underlying business logic.

About Valignit Technologies

Valignit Technologies is established and run by a team of seasoned technocrats with a combined experience of over 150 years in consulting, solutions and technology. With extensive regional expertise, we deliver localized, secure, scalable applications, bundled with extensive implementation services and focused training. Our expertise in low-latency investment banking applications with regulatory compliance ensures seamless operations and a competitive advantage for the organizations we serve.

150+

YEARS COMBINED
EXPERIENCE



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SCAN TO CONNECT