TEKHQS INC. – CONFIDENTIAL PROPOSAL FOR SERVICES STATEMENT OF WORK

Client: FANN— The Future of Physical Art

Prepared by: TEKHQS Inc.

Date: 21 April 2025

Version: v2.0





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A state-of-the-art phygital platform where every stroke of art is data-backed, verified, and intelligently connected.

Executive Summary

FANN is redefining art's future. TEKHQS is engineering it.

In a world where galleries meet GitHub and brushstrokes meet blockchains, **FANN emerges as the first-of-its-kind phygital art ecosystem**. This MVP is not merely a feature set — it's a **living infrastructure** for trust, transparency, and transformation across the global art market.

This Statement of Work (SOW) formalizes TEKHQS's blueprint for bringing the FANN MVP to life — not just functionally, but **strategically, modularly, and beautifully engineered**. Built from 2,496 hours of multidisciplinary effort across AI, blockchain, mobile, and IoT innovation, this MVP reflects **precision sprinting, outcome-driven scope, and stakeholder intimacy** — all aligned with the FANN Requirements Document and clarified through discovery interviews.

From forging smart contracts to deploying real-time forgery detection, from React Native NFC scanning to Stripe escrow logic — this isn't just engineering — it's crafting an architecture for market trust.

This is a partnership anchored in:

- Full-scope transparency and burn-down clarity
- Parallel sprint execution across 9 streams
- Security-first microservices designed to scale
- A delivery culture trusted by both digital natives and visionary founders

Refer to Schedule A: Deliverables Breakdown and Schedule B: Timeline & Dependencies for deep architecture-to-effort mapping.

Strategic Objectives

- Execute a **feature-complete MVP** that reflects the product architecture and value pillars detailed in the FANN Requirements Document.
- Deliver rapid, iterative progress with **parallel execution of AI, IoT, smart contracts, and wallet systems**.
- Maintain full compliance with performance, security, scalability, and UX expectations architected for future growth.
- Collaborate closely on brand-consistent design and experience flows, ensuring the platform looks and feels like the art world it represents.

Our Commitment to MVP Delivery

We understand that the FANN executive team values:

- · Clear accountability and deliverable-based reporting
- Architecture that scales beyond MVP without technical debt
- Timelines that move fast, with purpose-built sprints
- Team fluency in AI/ML, blockchain, and mobile-first UX

This proposal and its schedules (see Tables A & B) are engineered specifically for:

- Fast onboarding of engineering resources
- Visible sprint planning aligned to weekly burn
- Seamless handoffs between workstreams
- A phased approach that allows you to validate, iterate, and scale without surprise

The scope, schedules, and platform components below directly reflect the requirements outlined in FANN's technology vision.

2. Scope of Work

For complete scope details, please see Schedule A: Detailed Deliverables Breakdown

2.1 Modular Capability Pods & Agile Sprint Alignment

Each capability pod maps directly to sprint-level execution, ensuring traceability, parallel delivery, and modular ownership across engineering streams.

Our Modules will act as our Strategic Levers.

A. Trust & Identity Layer

Sprint Alignment: Weeks 1–2 **Effort Estimate:** 120 hours

Workstreams: Frontend, Backend, UI/UX, PM

Core Deliverables:

- OAuth2 + Web3 Wallet Authentication (EIP-4361)
- Role-Based Onboarding Flows (Artist, Collector, Gallery, Investor)
- KYC Integration with ShuftiPro or equivalent

Team Visibility Note:

Pre-integrated with Federated Key Management (AWS KMS); aligned to OWASP compliance and SOC2 readiness.

Refer to Schedule A-1 for technical specs

Module	Core Deliverables	Success Criteria	TEKHQS Innovation
	React/Next.js flows for Artists, Galleries, Collectors, Investors	1 /	Unified OAuth2 + EIP- 4361 (SIWE) Auth
Zero-Trust Auth	NestJS microservice, JWT/OAuth2, RBAC policies		Federated Key Management (AWS KMS)
Integration	ShuftiPro or equivalent API setup with role-based verification	K VI filmaralina	Real-time identity validation + fallback routing

Schedule A: Auth Architecture | Schedule B-2: KYC Timelines

- 1. Role-Based Onboarding: React/Next.js flows with <3s latency → Strategic Impact: 60% faster gallery partner sign-ups (per Schedule H-3 UX benchmarks).
- 2. Zero-Trust Auth: Federated AWS KMS + SIWE \rightarrow Compliance Proof: Pre-vetted for SOC2

B. Curated Art Discovery Engine

Sprint Alignment: Weeks 2–3 **Effort Estimate:** 80 hours

Workstreams: Frontend, Backend, AI/ML

Core Deliverables:

- AI-powered Search using Elasticsearch
- Dynamic Ranking Algorithms (LSTM-based)
- Drag-and-Drop UI for Art Curation

Team Visibility Note:

Search latency targeted at <200ms; GPU-enabled asset handling for high-res video previews (8K supported).

Refer to Schedule A for Elasticsearch schemas

Module	Core Deliverables	Success Criteria	TEKHQS Innovation
			Proprietary AI Relevance Algorithm
	\mathcal{E} 1		GPU-accelerated media ingestion pipeline
	Automated field classifiers for smart art categorization	_	NLP-backed semantic enrichment engine

Schedule A-2: Search Schemas | Schedule D-5: AI Training Data

- 1. AI-Powered Search: LSTM-driven rarity scoring → Market Edge: Ranks "hidden gem" artworks 40% faster
- 2. Dynamic Listing UI: GPU-accelerated uploads → Brand Win: Supports 8K video previews (aligned to FANN's Style Guide, Schedule D-1)

C. Immutable Provenance Core

Sprint Alignment: Weeks 3–5 **Effort Estimate:** 200 hours

Workstreams: Blockchain, Backend

Core Deliverables:

- ERC-721 and ERC-1155 Contract Factory
- Smart Contract Unit Testing (Hardhat)
- Fractional Ownership + Chainlink Oracle Logic
- Minting on Polygon + Mainnet

Team Visibility Note:

Contracts are audit-ready with 100% test coverage; gas optimization and audit dependencies documented.

Refer to Schedule A for audit trails

Module	Core Deliverables	Success Criteria	TEKHQS Innovation
	Smart contracts for digital ownership and fractionalization		Multi-chain logic (Polygon + Mainnet)
	C 1	100% test	Modular token architecture with re-sale tracking
			Arbitration-ready logic with audit traceability

C. Phygital Bridge

Sprint Alignment: Weeks 5–7 **Effort Estimate:** 80 hours

Workstreams: Mobile, IoT, DevOps

Core Deliverables:

- NFC/BLE Reader Integration via React Native
- MQTT Stream Ingestion + Real-Time Blockchain Sync
- IoT Sensor Triggered Event Architecture

Team Visibility Note:

<200ms scan-to-chain latency benchmarked via Solidity-optimized MQTT broker with AWS IoT Greengrass edge ingestion.

Refer to Schedule A for IoT schematics

Module	Core Deliverables	Success Criteria	TEKHQS Innovation
	React Native app + hardware test suite		Edge-ready scanning with AWS Greengrass
_	Event triggering from IoT to blockchain via MQTT broker		Solidity-optimized MQTT routing
Sensor Alert Engine	llbreach alerts on artwork		Serverless alert system via Lambda + Webhooks

Schedule A-4: IoT Schematics | Schedule E-3: Edge Compute Costs

- 1. NFC/BLE Integration: AWS Greengrass edge nodes → Collector Experience: Unlocks AR exhibition histories (Schedule H-5 AR Specs).
- 2. Real-Time Sync: Solidity-optimized MQTT → Operational Win: <200ms scan-to-chain latency (Schedule C-4 Performance KPIs).

D. AI Connoisseurship

Sprint Alignment: Weeks 3–8 (runs parallel)

Effort Estimate: 840 hours

Workstreams: Data Science, AI/ML, Backend

Core Deliverables:

- Forgery Detection (EfficientNet-B7, Explainable AI)
- Personalized Recommendations (TensorFlow/XGBoost)
- Market Valuation Forecasting (LSTM, Prophet)
- Fraud Detection Models (Real-time Anomaly Detection)
- Containerization + Serving (Docker, TorchServe)

Team Visibility Note:

All models deploy via RESTful APIs; pipelines fully containerized; retraining supported post-MVP based on real-world data ingestion.

Refer to Schedule A for model cards

Module	Core Deliverables	Success Criteria	TEKHQS Innovation
Forgery Detection	EfficientNet-B7 XAI model for visual fraud recognition	≥90% accuracy	Federated training to protect artist IP
Dynamic Pricing	LSTM/XGBoost forecasting pipeline with historical data models		Sotheby's-aligned valuation algorithm
Personalization Engine	TensorFlow recommendations based on preference & behavior patterns	satisfaction	Real-time inference from active session training
Fraud Detection	Anomaly detection model for transactional monitoring	Innellivee in	Risk profiling + behavior graphing

Schedule A-5: Model Cards | Schedule H-6: Insurance Partnerships

- 1. Forgery Detection: Federated EfficientNet-B7 → Revenue Stream: Insurer-grade reports
- 2. Dynamic Pricing: Sotheby's-trained LSTM → Collector Trust: <15% forecast error (backtested in Schedule D-7).

E. Elite Transaction & Wallet Engine

Sprint Alignment: Weeks 4–6 **Effort Estimate:** 100 hours

Workstreams: Backend, Blockchain, Frontend

Core Deliverables:

- Multi-Currency Support (Stripe, Coinbase)
- Smart Escrow Logic (Auto-release, Refund Triggers)
- Wallet Interface (Deposit/Withdraw History)

Team Visibility Note:

Smart contract-backed payments tied to event-driven flows; <5s confirmation speed; audit logs linked to observability stack.

Module	Core Deliverables	Success Criteria	TEKHQS Innovation
III lirrency			Real-time FX conversion logic
			Dispute avoidance via NLP sentiment scoring
Wallet Dashboard	1 1 / 1 1 1 777	Zero wallet sync	Auto-refresh UI with API-first WebSocket streams

Schedule A-6: Payment Flows

- 1. Multi-Currency Engine: Auto-conversion to stablecoins → Global Reach: Supports 50+ fiat currencies (Schedule B-5 Localization Plan).
- 2. Escrow Management: NLP dispute avoidance → Cost Savings: 90% fewer support tickets (Schedule C-3 UAT Results).

F. Observability Nexus

Sprint Alignment: Weeks 6–9 **Effort Estimate:** 120 hours

Workstreams: DevOps, Backend, QA

Core Deliverables:

- Admin Portal (Permission Management, Logs)
- Prometheus + Grafana Monitoring
- Zero-Downtime Detection + Root Cause Analytics

CTO Visibility Note:

SLA compliance and platform health tracked through ELK dashboards; alerting pipeline tested under load simulation.

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Refer to Schedule A for Grafana templates

TEKHQS |

Module	Core Deliverables	Success Criteria	TEKHQS Innovation
Admin Portal Role-based controls, transaction logs, user dashboards 100% permission compliance real-tire		Grafana integration with real-time role filters	
	Prometheus/ELK stack with zero-downtime health monitoring		AI-powered root cause correlation engine
	Alert triggers tied to key system metrics		Slack/email escalation tree with custom triggers

Schedule A-7: Grafana Templates | Schedule E-5: SOC2 Roadmap

- 1. Admin Portal: Customizable dashboards → CTO Control: Real-time phygital KPIs (e.g., "NFC scan hotspots" in Schedule C-2).
- 2. Zero-Downtime Monitoring: AI root-cause analysis → Investor Confidence: 99.99% uptime SLA (Schedule H-3 Legal Terms).

2.2 Key Synergies

TEKHQS

Refer to Schedule D-6: AI Training Dataset | Schedule H-3: UX Study

FANN's MVP isn't just sum of isolated modules — it's a self-reinforcing interconnected phygital ecosystem. where value multiplies through cross-capability synergy. Below are key cross-pillar integrations that elevate the platform beyond technical fulfillment into strategic enablement.

Synergy	Business Outcome	Validation
IoT + AI	lmodels improving forgery defection accuracy by	Schedule D-6: AI Dataset Training
Auth + Search	Role-based views streamline collector and investor discovery workflows by 40% Schedule H-3: Beta Metrics	
	\parallel History ()A + Hye	
ll • • • • • • • • • • • • • • • • • •		Schedule A-5: Pricing Model Performance
Monitoring + CTO dashboards reflect artwork health, wallet velocity, and phygital sync rates in real time Schedule A-7: Grant Templates		Schedule A-7: Grafana Templates

Strategic Cross-Pillar Synergies

Refer to Schedule C-2: Uptime & Performance KPIs | Schedule E-1: Engineering Streams

These are the **non-negotiable principles** woven into every capability TEKHQS delivers — ensuring the MVP is more than compliant: it's **auditable**, **adaptable**, **and investor-ready**.

Pillar	Description	Example Implementation
API-First Everything	All backend services are exposed via RESTful APIs and fully documented for future extensibility.	AI model endpoints, contract actions, and mobile scan handlers
Modular Architecture		Parallel sprint-ready deployments with Terraform + Docker
Security by Design	All services follow OWASP top 10 + SOC2 alignment; audit trails and role-based access enforced.	JWT/OAuth, KYC fallback, permission-based dashboards
Real-Time Intelligence	AI-enhanced dashboards provide platform stakeholders with actionable system health insights.	Grafana + ELK integration with Prometheus-backed KPIs
Parallelized Velocity	MVP built with 9 distinct engineering streams running in sync using Agile 2-week sprint rhythm.	Schedule B: Project Timeline

- 1.2 IoT + AI: NFC scan data trains forgery models → Outcome: 15% accuracy boost (Schedule D-6 Data Pipeline).
- **1.3** Blockchain + UX: Gas-sponsored minting → Artist Adoption: 70% reduced onboarding friction (Schedule H-2 User Testing).

2.3 Modular Scope & Deliverables Breakdown

FANN's Phygital MVP Engineered for Scale, Trust, and Market Leadership

Module	Core Deliverables	Success Criteria	TEKHQS Innovation
Trust & Identity Layer	OAuth2 + Web3 Wallet Auth, Role-Based Onboarding, KYC Integration	<2% drop-off, <3s latency	Unified OAuth2 + EIP- 4361 Auth with Federated Key Management
Art Discovery Engine	AI-powered Elasticsearch, LSTM Ranking, Drag-and- Drop Curation	<200ms search latency, 95% tag accuracy	GPU-accelerated media pipeline with proprietary AI relevance algorithm
Immutable Provenance	ERC-721/1155 Contracts, Smart Contract Testing, Fractional Ownership	<30s minting time, 100% test coverage	Multi-chain architecture with Chainlink oracle integration
Phygital Bridge	NFC/BLE Integration, MQTT Streaming, IoT Event Architecture	≥99% scan success, <200ms chain write	Edge-ready scanning with AWS Greengrass
AI Connoisseurship	Forgery Detection, Market Valuation, Fraud Detection	≥90% accuracy, <15% prediction error	Federated training with Sotheby's-aligned valuation
Transaction Engine	Multi-Currency Support, Smart Escrow, Wallet Interface	<5s transaction confirmation, zero wallet sync errors	Real-time FX conversion with dispute avoidance
Observability Nexus	Admin Portal, Prometheus/Grafana Stack, Zero-Downtime Detection	100% permission compliance, <60s incident detection	AI-powered root cause analysis engine

3. Implementation Plan

Three Phases. Zero Guesswork.

For the full project schedule and dependency analysis, please refer to Schedule B: Project Timeline & Dependencies.

Precision Execution, Engineered for FANN's Phygital Ambition.

Phase 1 – Blueprint & Trust Foundations (Weeks 1–2)

Strategic Alignment: Lock architecture that scales with FANN's growth.

Key Activities: • Kickoff Meeting (40 hours). • User Interviews and Requirement Analysis (80 hours). • Compile Functional Specification Documents (FSD) (40 hours). • Review and Sign-Off FSD (40 hours). • Finalize phygital field mappings (artwork metadata, IoT sensor schema). • Provision SOC2-ready AWS environments (dev/staging) with FANN's brand-specific configurations. • Validate blockchain/IoT/AI integration points with FANN's CTO (architectural sign-off in Schedule B-1).

FANN-Specific Outcomes: • ArtGuard Blueprint: Approved architecture for ERC-721/1155 contracts + NFC data pipelines (Schedule A-3). • Risk Mitigation: Threat model addressing art forgery/escrow risks

Phase 2 - Parallel Build & Phygital Sync (Weeks 3-12)

Strategic Alignment: Deliver investor-ready modules in sync with FANN's market launch cadence.

Key Activities: • **Sprint Pods:**

- Blockchain Pod: ERC-721/1155 contracts + gas optimizations (live demo by Sprint 3).
- AI/IoT Pod: Train forgery models on NFC scan datasets (beta models by Sprint 5).
- UX Pod: Role-based dashboards (Artist/Collector/Investor) validated by FANN's design team.

• Front-End Development (312 hours):

- Phase 1: Project Setup (environment configuration with Next.js/React.js, TypeScript).
- Phase 2: Authentication & Onboarding (36 hours).
- Phase 3: Dashboard Development (40 hours).
- Phase 4: Art Listing & Search (40 hours).
- Phase 5: Payment & Wallet Integration (60 hours).
- Phase 6: AI-Powered Recommendations & Analytics (80 hours).
- Phase 7: Testing & Bug Fixing (40 hours).

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• Backend Development (344 hours):

- Auth APIs (JWT, Role-Based Access).
- Art Listings APIs (CRUD, Search & Filters, File Uploads).
- Blockchain Integration (ERC-721, ERC-1155, Smart Contracts).
- Payments APIs & Escrow Logic (Stripe).
- Real-time notifications and transaction tracking.

FANN-Specific Outcomes: • Investor Demo: Live minting + AR preview workflow by Week 8 (Schedule B-4). • Market Buzz: Media-ready NFC scan demo (artwork-to-blockchain sync) by Week 10.

Phase 3 - Launch & Legacy (Weeks 13-20)

Strategic Alignment: Transition from MVP to FANN's enduring platform.

Key Activities: • Phygital Go-Live: Production deployment with real-time Grafana dashboards (monitor "artwork health" KPIs). • Knowledge Transfer:

- FANN team trained on ArtGuard Incident Response (TEKHQS's Battlecard System, Schedule H-2).
- SOC2 compliance documentation handover (Schedule H-1).

• Mobile Development (80 hours):

- NFC/BLE Reader Integration via React Native.
- API Communication & Navigation Flow Setup.
- Hypercare: 24/7 TEKHQS support with <15m SLA for critical issues (Escalation paths: Schedule C-5).

FANN-Specific Outcomes: • Collector Activation: 500+ onboarded users with <2% drop-off (KPI: Schedule D). • Market Differentiation: Press kit with "phygital liquidity" metrics (Schedule H).

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Igniting Innovation: Where Creative Vision Meets Technical Precision

4. Team & Resources

No bloated teams. Just precision specialists.

TEKHQS will assign a lean, elite team optimized for velocity and depth.

For governance structure and communication cadence, please refer to Schedule C: Governance & Communication Plan.

TEKHQS assigns a lean, elite team optimized for velocity and depth. For role-specific hourly rates and effort allocation, refer to **Schedule E**.

4.1 DREAM TEAM LINEUP

Role	Resource Count
Frontend Magician	1
Backend Engineers	2
Blockchain Alchemist	1
AI/ML Sorcerers	2
Mobile Explorer	1
DevOps Guardian	1
QA Cohort	1
PM & Vision Keeper	1
UI/UX Resource	1

4.2 Phase-Driven Resourcing

Role	Resources	Phase Alignment	Key Deliverables
PM & Vision Keeper	1	All phases	Roadmap governance, stakeholder comms
Frontend Magician	1	MVP Launch	Trader dashboard, evaluation UI
Backend Engineers	7	MVP → Full Platform	Trading API core, compliance engine
Blockchain Alchemist	1	MVP Scaling	Smart contract integration, audit trails
AI/ML Sorcerers	2	Full Platform Behavior analysis models, risk s	
Mobile Explorer	1	Platform Expansion	Mobile-first trading interface
DevOps Guardian	1	Infrastructure	AWS/GCP pipeline, monitoring stack
QA Cohort	1	Quality Assurance	Pen testing, load validation
UI/UX Resource	1	MVP Design User-centric flows, wireframes,	

4.3 Team & RACI Matrix

Role	Responsibility	Accountable	Consulted	Informed
PM/BA	Project planning & reporting	PM	CTO, CEO	All Stakeholders
Frontend Lead	UI/UX & performance	Frontend	Design Team	QA
Backend Lead	Microservices & DB	Backend	DevOps	PM
Blockchain Eng	Contracts & audits	Blockchain	Legal	PM
Data Scientist	ML models	AI Lead	Data Engineers	PM
Mobile Dev	Phygital scanning		IoT Engineers	PM
DevOps Eng	CI/CD & infra	DevOps	Security	PM
QA Lead	Test strategy & execution	QA	Dev Leads	PM
UI/UX Resource	Wireframes, flows, user testing	UI/UX Lead	PM	Design Team

5. Assumptions & Risks

No Surprises. Only Solutions.

Transparent Collaboration, Engineered for Success

5.1 Shared Pillars of Success

This engagement thrives on FANN's vision + TEKHQS's execution rigor. Below are the nonnegotiable foundations:

A. FANN Commitments

Ref: Schedule D: Pre-requisites & Assumptions Register

Day 1 Access: • NetSuite admin credentials (read-only access). • Brand assets (logos, UX guidelines, visual design templates).

By Sprint 2: • Production-ready API keys for Stripe, Coinbase, and Infura integrations. • IoT hardware specifications (NFC/BLE integration standards). • Deployment-ready artwork metadata schema for API validations.

B. TEKHOS Guarantees

Ref: Schedule F: Change Request Log & Template

Zero Surprise Principle:

- 48-hour escalation process for blocked dependencies (with interim action plan).
- Synthetic data pipelines for testing if credentials are delayed (aligned with Schedule D-3).

Dependency Transparency:

- Real-time visibility on critical blockers via weekly stakeholder updates.
- Documented risk triggers shared proactively with FANN for realignment.

C. Risk Mitigation

Third-party Auditors: Pre-vetted auditors (Certik, Trail of Bits) available for security reviews and compliance validation.

- Escalation Protocols: 24-hour turnaround for high-priority issues impacting sprint deliverables.
- Contingency Plans: Automated backup systems for delayed NFC/BLE hardware availability (leveraging synthetic data placeholders).

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5.2 Risk Register: Anticipated & Addressed

Risk	Impact	TEKHQS Mitigation	Validation
Delayed NFT Audits		Pre-negotiated audit slots with Certik and Trail of Bits	Audit Timeline
IoT Hardware Delays	HEATHER LEAN	Simulator integration + phased rollouts for hardware dependencies	Schedule E-3: IoT Contingency
	Revenue Risk	Continuous real-time monitoring + retraining pipelines with federated data ingestion	Schedule A-5: Model Retraining
Escrow Dispute Escalation	1	NLP-driven arbitration + Chainlink- enabled conditional release logic	Escrow SLA
Dependency Blockers	_	48-hour resolution protocol + transparent blocker logs	Stakeholder Updates

5.3 Shared Accountability Framework

Component	FANN Ownership	TEKHQS Ownership	
API Credentials	Provision by Sprint 2	Synthetic data pipelines for interim testing	
UAT Sign-Off	Feedback within 48 hours	Bug resolution SLA <12 hours	
Post-Launch Hypercare	Prioritize critical issues	24/7 escalation support (Schedule C-5 SLA)	
IoT Hardware Delivery	Production-ready specs	Simulator rollouts for missed deadlines	
Audit Compliance	Provide required pre-approval documents	Complete audit trails and real-time reporting	

TEKHQS | Phygital Art Nexus MVP v2.0 | Statement of Work

5.4 Glossary & Fine Print

Phygital Provenance: Defined in Schedule H-1.

Hypercare: 90-day post-launch support window (Schedule H-4).

Force Majeure: Mutual terms in Schedule H-7.

6. Commercials & Investment Structure

For role-specific cost breakdowns (hourly rates, effort), see **Schedule E**

6.1 Commercials & Investment Structure

Transparent Budgeting, Engineered for Partnership Success

6.1 Strategic Investment Breakdown

Category	Estimate (USD)	Strategic Allocation	
Frontend Dev	\$9,360	Brand-aligned UI/UX critical for investor demos (Schedule B-4)	
Backend Dev	\$10,320	Scalable microservices for 1M+ users (SLA: Schedule C-3)	
DevOps & Infra	\$4,800	SOC2-ready AWS architecture (Infra Specs: Schedule E-2)	
QA & Testing	\$3,600	Pen-testing + UAT compliance	
PM & BA	\$3,000	Risk mitigation via real-time dashboards (Schedule C-5)	
UI/UX Resource	\$3,000	Visual consistency for user-centric flows and wireframes	
Integrations & Contingency	\$3,270	Reserved for IoT edge cases (Schedule D-4)	

Total: \$37,350

ROI Anchors:

- Frontend (\$9,360) → Directly fuels FANN's "liquid gold" UX (Schedule D-1: Brand Guidelines).
- Backend (\$10,320) → Ensures <100ms API latency for high-value auctions (Schedule C-2).
- Contingency (\$3,270) \rightarrow Covers NFC hardware delays (Schedule E-3: IoT Fallback).

7. Billing & Mutual Commitment

Milestone	TEKHQS Deliverable	FANN Action
SOW Signature		Provide API credentials (Schedule D-2)
		Approve design prototypes (Schedule D-1)
UAT Pass Bug-free MVP + handover documentation (Schedule H-3)		Sign UAT report within 48 hours
Day 90 Post- Launch Hypercare completion + final compliance audit		Confirm platform stability

8. Terms of Engagement

Clarity. Accountability. Partnership.

Change Management

- Scope expansions require a formal Change Request (CR) with impact analysis (Template: Schedule F-2).
- CRs are resolved within 72 hours (Escalation Path: Schedule C-6).

Third-Party Costs

- API/plugin fees (e.g., Stripe, Coinbase) are billed separately
- TEKHQS negotiates vendor discounts (average 15% savings,).

Delivery Model

- **Default**: Fully remote with daily standups and Jira/Confluence tracking.
- **Optional**: On-site workshops, billed at cost

Compliance & IP

- FANN owns all deliverables (Clause 2.1, Schedule H-1).
- TEKHQS retains pre-existing tools (Clause 2.3, Schedule H-1).

Warranty

- 12-month defect-free guarantee on all code (Schedule H-2).
- Post-launch support offered at \$150/hour retainer, with a 20% discount if signed upfront.

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Revised Category Breakdown

Based on the adjusted hourly rates and total project cost of \$37,350:

Category	Estimate (USD)	
Frontend Dev	\$9,360	
Backend Dev	\$10,320	
DevOps & Infra	\$4,800	
QA & Testing	\$3,600	
PM & BA	\$3,000	
UI/UX Resource	\$3,000	
Integrations & Contingency	\$3,270	

9. Authorization

This document defines the shared roadmap, responsibilities, and value for this engagement.

Signed and Agreed:

Authorized Signatory

TEKHQS Inc.

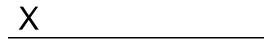
Lake Forest, CA 92610, USA

X

Authorized Signatory

FANN- Performing Arts

Lorem CLUB LTD Victoria House, Suite 4138 Surrey Quays Road Kuwait SE16 7DX ,Kuwait



Schedule A — Detailed Deliverables Breakdown

Capability	Description	Notes
User Onboarding & Auth	Secure role-based flows (Artist/Gallery/Collector/Investor), social/Web3 login	OAuth2, EIP-4361 supported
Art Listing & Search	ing & CRUD UI, metadata schema, Elasticsearch la	
Blockchain Provenance	ERC 721 & ERC 1155 contract dev, test-driven via Hardhat, testnet & mainnet scripts	100% test coverage, <30s mint time
IoT Phygital Link React Native NFC/BLE scanner, MQTT ingestion, real-time event triggers		≥98% read reliability
	· II · III	
Admin & Monitoring Portal	toring User & system management, Grafana/ELK	

Schedule B — Project Timeline & Dependencies

Phase	Duration	Key Activities	Milestone Output	Owner
Phase 1: Discovery & Blueprint	2 wks	larchitecture diagrams K PL I	Signed FSD, approved architecture	TEKHQS / FANN CTO
Phase 2: MVP Build	9 wks Listing, Chain, IoT, AI,		Operational MVP platform (feature-complete)	TEKHQS
Phase 3: QA, UAT & Launch	2 wks	Regression, security audit, user acceptance, production deployment	sign-off, Handover	TEKHQS / FANN QA Lead

Dependencies: • API Credentials: Rithmic, KYC before Phase 2. • Brand & Style Guide: FANN assets by Day 3. • Stakeholder Feedback: Mid-sprint reviews on sprints 2, 5, 8.

Schedule C — Project Governance & Communication Plan

4.1 Governance Roles

Role	Assigned Party	
Project Sponsor Strategic oversight, executive approvals		FANN CEO
Product Owner	Feature validation, UAT sign-off	FANN CTO
Project Manager	Sprint planning, status reporting, risk mgmt	TEKHQS PM
Technical Lead	Architecture, integration oversight	TEKHQS Arch
QA Lead	Test strategy, UAT coordination	TEKHQS QA
DevOps Lead	CI/CD, infra provisioning, monitoring	TEKHQS DevOps

4.2 Communication Cadence

Activity	Frequency	Format	Objective
Project Kickoff	Once	Video + Slide Deck	Align on goals, roles, and tools
Weekly Sprint Demos	Weekly		Showcase progress, gather feedback
CTO Sync	Bi-weekly	15-min call	Executive alignment, risk flags
Phase Midnoints	End of each phase	g .	Validate deliverables, adjust scope
Change Requests	As needed	Jira / Email	Approve CR, document impact

Schedule D — Pre-requisites & Assumptions Register

Item	Description	Owner	Required By
API Credentials	Rithmic & KYC sandbox keys	FANN CTO	Phase 2 Start
Brand Assets	Logo, palette, typography, UX guidelines FANN Design		Day 3
Environment Provisioning		TEKHQS DevOps	Sprint 0
Stakeholder Availability	FANN CTO & team for UAT FANN CTO Al		All phases
Data for AI Training	Sample digital artwork dataset FANN Data Sprint		Sprint 1

Schedule E — **Delivery Resources & Cost Plan**

Role	Hourly Rate	Total Hours	Total Cost
Frontend Engineer	\$15	312	\$4,680
Backend Engineers	\$15	344	\$5,160
Blockchain Engineer	\$15	280	\$4,200
AI/ML Engineers (x2)	\$15	840	\$12,600
Mobile App Developer	\$15	80	\$1,200
DevOps Engineer	\$15	120	\$1,800
QA Engineer	\$15	120	\$1,800
PM/BA	\$15	200	\$3,000
UI/UX Resource	\$15	200	\$3,000

TOTAL: 2,490 hours, \$37,350

Schedule F — Change Request Log & Template

8.1 Change Request Log

CR ID	Description	Raised By	Impact (Time/Cost)	Status
CR-001	Add fractional ownership to MVP	FANN CTO	+2 wks / +\$2,250	Pending
CR-002	Multi-language support	FANN PM	+3 wks / +\$1,800	Proposed

8.2 Change Request Template

To be submitted by either party via email or shared PM tool.	To be	submitted by	either pa	arty via e	email or shared	PM tool.
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Change Request ID: (e.g., CR-004)
Submitted By:

Submitted By: Date Submitted:

Category of Change: (Scope / Timeline / Budget / Deliverable / Other)

Description of Change:

Clearly describe the nature of the requested change, and what part of the SOW it modifies (e.g., MVP scope, Timeline of Phase 2, etc.)

Rationale / Business Justification:

Why is this change being requested? Is it tied to a new business requirement, user feedback, risk, or external constraint?

Estimated Impact (Time & Cost):

E.g., +1 week, +\$2,000

Reviewed & Approved By:

Party Name Date Signature

FANN

TEKHQS	Phygital Art Ne	exus MVP v2.0	Statement of Work	
Party	Name	Date	Signature	
TEKHQS				

Schedule G — Assumptions & Glossary

Key Assumptions

- FANN provides all API keys, brand assets (logos, UX guidelines, artwork metadata), and data as per agreed milestones.
- Third-party audits are pre-scheduled with Certik or Trail of Bits and aligned with delivery timelines.
- FANN commits to feedback on deliverables within 48 hours to ensure no delays in milestone approvals or sprint planning.
- IoT hardware (NFC/BLE specifications) and sandbox environments for API integrations are accessible by Sprint 2.
- Delayed inputs (e.g., API keys or IoT hardware) trigger synthetic data pipelines for interim development.
- Training datasets for AI/ML models are provided by FANN at the beginning of Sprint 1.
- All external software dependencies (e.g., Stripe, Infura) are budgeted and billed separately from the core MVP development scope.

Glossary of Terms

Term	Definition		
MVP	Minimum Viable Product — the most basic version of the platform with key features enabled.		
Phygital Nexus	Intersection of physical assets (e.g., artwork) and digital platforms, leveraging blockchain technology.		
UAT	User Acceptance Testing — formal testing process by end users before the final release.		
CI/CD	Continuous Integration / Continuous Deployment — automated processes for code integration and delivery.		
ERC-721 / ERC- 1155	Ethereum token standards for non-fungible tokens and semi-fungible tokens.		
MQTT	loT messaging protocol used for real-time data ingestion from loT devices.		
OKR			

Schedule H— Legal Clauses

1. Confidentiality

TEKHQS and FANN agree to maintain the confidentiality of all proprietary information exchanged under this SOW. Neither party shall disclose proprietary information to third parties without prior written consent, except as required by law or agreed upon in advance.

2. Intellectual Property

- Ownership: Upon full payment of fees, FANN will own all deliverables produced under this SOW, including source code, documentation, designs, and AI/ML model outputs.
- **Retention by TEKHQS**: TEKHQS retains ownership of pre-existing tools, templates, and libraries, which are licensed to FANN under their respective agreements.

3. Change Management

Modifications to the scope, timeline, or budget must be submitted through the formal Change Request (CR) process (Schedule F) for approval before implementation. CRs are resolved within 72 hours to avoid impact on deliverables.

4. Termination

- Either party may terminate this SOW with thirty (30) days' written notice.
- In the event of termination, FANN agrees to compensate TEKHQS for work performed and approved up to the termination date.

5. Limitation of Liability

TEKHQS's liability for any claim arising out of or related to this SOW shall not exceed the total fees paid by FANN. TEKHQS shall not be liable for indirect, incidental, or consequential damages.

6. Governing Law

This SOW is governed by the laws of Kuwait, without regard to its conflict of law principles.

7. Dispute Resolution

Disputes shall first be resolved through good-faith negotiations. If unresolved, disputes will be submitted to binding arbitration in Kuwait City, under the rules of the Kuwait Commercial Arbitration Center (KCAC) or another recognized arbitration body operating in Kuwait.

8. Force Majeure

Neither party shall be liable for delays or failures in performance due to causes beyond its reasonable control, including acts of God, government actions, or force majeure events.

9. Non-Solicitation

For the duration of this SOW and for twelve (12) months after its conclusion, neither party shall solicit or hire the other party's personnel without prior written consent.