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HIPAA | NPHIES Compliant

Introduction

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BrainSAIT is pleased to present this comprehensive proposal for implementing our Healthcare AI Platform at National Guard Health Affairs. Our solution delivers NPHIES-compliant, bilingual healthcare technology with proven ROI and exceptional user experience.

**Our Expertise:** Over 5 years of healthcare technology development, registered OID (1.3.6.1.4.1.61026), HIPAA compliance, and deep understanding of Saudi healthcare regulations.

Proposed Solution

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Core Platform Components:

- DocuLINC Lite: Intelligent document processing with OCR and AI classification
- ClaimLINC Monitor: Real-time claims tracking and NPHIES integration
- Voice2Care Studio: Voice-enabled clinical documentation
- HealthBot Arabic: Bilingual patient engagement chatbot
- Compliance Dashboard: Real-time audit and compliance monitoring

Technical Specifications

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**Architecture:** Cloud-native, microservices-based, with 99.9% uptime SLA

**Security:** End-to-end encryption, role-based access, comprehensive audit logs

**Integration:** RESTful APIs, FHIR R4 support, HL7 compatibility, NPHIES-native

**Scalability:** Handles 1000+ concurrent users, 50K+ transactions per day

**Languages:** Full Arabic and English support with RTL/LTR layouts

Implementation Timeline



We propose a phased implementation approach to minimize disruption and ensure smooth adoption.

| Phase          | Duration | Deliverables                                | Milestone          |
|----------------|----------|---|--------------------|
| 1. Discovery   | 2 weeks  | Requirements analysis, integration plan     | Signed SOW         |
| 2. Setup       | 3 weeks  | Infrastructure setup, initial configuration | Environment ready  |
| 3. Integration | 4 weeks  | NPHIES integration, data migration          | Systems connected  |
| 4. Training    | 2 weeks  | User training, documentation                | Staff certified    |
| 5. Go-Live     | 1 week   | Production deployment, monitoring           | System operational |

Investment & ROI



**Implementation Investment:** SAR 450,000 (one-time)

**Monthly Subscription:** SAR 35,000 (includes support, updates, hosting)

**Expected ROI:** 6-8 months through:

- 40% reduction in claims processing time
- 25% decrease in claim rejection rates



- 50% improvement in documentation efficiency
- 30% reduction in compliance audit preparation time

Support & Maintenance



**24/7 Technical Support:** Bilingual support team with <2 hour response time

**Regular Updates:** Monthly feature releases and security patches

**Training Programs:** Quarterly refresher training and new feature workshops

**Compliance Monitoring:** Continuous compliance checks and annual audits