



OJASYS LLC

AI & IT Solutions Partner

Innovate. Transform. Succeed.

Precision-engineered AI consulting, enterprise IT architecture and data solutions that turn complexity into competitive edge.

SWaM Certified

Minority-Owned Business

TOGAF Certified Architects

In Business Since 2013

\$20M+

Projects Delivered

18+

Expert Professionals

6

Major Clients Served

10+

Years AI Expertise

ABOUT OJASYS

*Technologies
for a Better World*

2013 Founded

\$20M+ Projects Delivered

18+ Experts

Who We Are



Ojasys is an AI-first IT Services and advisory firm serving diverse clients since 2013. We specialize in translating leading-edge AI and data technologies into real business outcomes — from strategy through full deployment.

- AI Strategy & Consulting
- Enterprise Architecture (TOGAF)
- Data Lakes, BI & Analytics
- Cloud Strategy & Migration
- GenAI & Agentic AI Solutions
- NLP, Computer Vision & ML Ops
- Application Design & Development
- Talent Acquisition & Augmentation

SWaM Certified • Minority-Owned • TOGAF Certified • Ashburn, VA



AI Consulting: Our End-to-End Approach

We don't just implement AI — we architect intelligent enterprises from the ground up.

01

Assess

AI readiness audit, data maturity evaluation, use-case identification & ROI modeling

02

Strategize

AI roadmap, technology selection, build vs buy analysis, governance framework

03

Architect

Data pipelines, model design, MLOps infrastructure, cloud & on-prem setup

04

Build & Deploy

GenAI / Agentic AI development, model training, integration & production rollout

05

Optimize

Model monitoring, drift detection, continuous improvement & performance tuning



The Proven Three-Step Path

92%

of companies plan to invest in GenAI over the next 3 years — yet only 1% believe their investments have reached full maturity. Ojasys guides you from intention to impact.

01

Lay the Foundation

Strategy · Governance · Alignment

- AI readiness audit across all dimensions
- Executive & stakeholder alignment workshop
- AI governance framework & usage policies
- Assemble AI steering committee & champions
- Define success metrics, KPIs & timelines
- Data infrastructure & compliance assessment

8-12 weeks typical pilot setup

02

Launch a Pilot

Quick Wins · Cross-functional · Learn Fast

- Select 1–2 high-impact, low-risk pilot projects
- Sprint-based implementation (30–60 days)
- Measure adoption, efficiency & quality metrics
- Cross-functional AI showcase events
- Navigate resistance, data & integration gaps
- Conduct pilot post-mortems & capture learnings

30-60 days to first results

03

Scale Impact

Training · CoE · Enterprise-wide Rollout

- Role-based AI upskilling & certification programs
- Establish Centers of Excellence (CoE)
- Structured rollout with change management
- Comprehensive ROI framework & reporting
- Feedback loops & continuous improvement
- Benchmark against industry AI maturity standards

20-30% productivity gains (PwC)

AI Readiness:

Where Does Your Organization Stand?



Use this maturity framework to identify your AI transformation starting point — Ojasys assesses each dimension with you.

Dimension	Building Foundation (1-2)	Growing Capability (3-4)	Transform Ready (5-6)
Executive Commitment	AI seen as IT project	CEO interested; competing priorities	CEO championing; multi-year commitment
Data Infrastructure	Legacy systems; limited cloud	Hybrid cloud; basic DevOps	Cloud-native; strong engineering team
AI / ML Maturity	No AI experience; exploratory	Initial ML models in production	Multiple AI applications deployed
Change Management	Initiatives frequently stall	Mixed track record; moderate adoption	Proven success; high trust culture
Cross-functional Collab	Departmental silos	Regular meetings; shared goals emerging	Integrated teams; aligned incentives
Risk & Compliance	Reactive; manual controls	Established program; regular audits	Proactive; automated controls
Budget & Resources	Project-based funding	Annual AI budget established	Multi-year investment secured
Technical Capabilities	No AI talent; outsourced	Small internal team; growing skills	Full-stack AI/ML team in place

8–15 pts — Building Readiness: Secure exec sponsorship first	16–29 pts — Moderate Readiness: Start 3–5 strategic pilots	30–48 pts — Transformation Ready: Launch full enterprise rollout
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AI & Machine Learning Capabilities



Six specialized AI practice areas — each with proven deployments

NLP / NLU

- Document parsing & key data extraction
- Text classification & entity recognition
- Abstractive & extractive summarization
- Legal, financial & medical document AI

GenAI & Agentic AI

- Custom LLM fine-tuning (Mistral, GPT)
- Agentic workflows for task automation
- RAG architectures & knowledge bases
- AI agents for scheduling, billing, ops

Computer Vision

- Property condition assessment from images
- Satellite & aerial image processing
- Object detection & image segmentation
- 3D Gaussian splatting & deep learning

Predictive Analytics

- Risk modeling & anomaly detection
- Time-series forecasting models
- AVM (Automated Valuation Models)
- Fraud detection using ML/AI

ML Ops & Governance

- Feature stores & model registries
- Model monitoring & drift detection
- Model training & serving pipelines
- AI governance & compliance frameworks

Industry AI Solutions

- Financial: lending, credit, risk analytics
- Healthcare: practice automation, AI agents
- Real estate: valuation, inspection AI
- Energy: grid optimization, sustainability

AI in Action: Proven Deployments



Real engagements, measurable outcomes — across financial services, real estate & government

NLP / ML

Freddie Mac — Text Classification

★ **96% Accuracy** | **2 Months** | **First AI at FreddieMac**

FHFA required GSEs to standardize loan closing data. Ojasys trained a text classifier for closing fee categorization — achieving 96% accuracy. We also built model monitoring for drift detection and trained the internal team for ongoing model ownership.

NLU / Web Crawling

Freddie Mac — NLU Condo Legal Documents

★ **Automated Legal Decision Support System**

Built a web-crawling and text-mining pipeline to find litigation activity for condo projects. Used AI for entity extraction, key-phrase identification, and both abstractive and extractive summarization — powering automated rule-based decisioning.

Computer Vision

Abu Dhabi Urban Planning Council

★ **Satellite & Drone Imagery Analysis at Scale**

Delivered deep learning computer vision models for urban development monitoring from aerial imagery. Time-series models tracked construction progress; occupancy models analyzed traffic patterns from drone footage for smart city planning.

GenAI + Computer Vision

Confidential Client — Property Valuation

★ **Multi-modal AI Valuation Pipeline**

Built a GenAI-powered pipeline using fine-tuned Mistral LLM + CNNs + Vision Transformers + Florence 2 + 3D Gaussian Splatting to assess property condition from photos and videos, generating descriptions and condition variables feeding into valuation algorithms.

AI Solutions Across Industries



Domain expertise enabling industry-specific AI that delivers measurable ROI



Financial Services

- Loan closing fee text classifier (96% accuracy)
- Credit risk analytics & fraud detection
- NLU for legal document decisioning
- Data lake & BI for GSE compliance



Real Estate & Mortgage

- GenAI property condition assessment
- Computer vision AVM pipeline
- Satellite time-series for land valuation
- Multi-family risk scoring models



Healthcare

- Agentic AI for scheduling & pre-auth
- AI-powered real-time clinical note-taking
- Automated billing & claims processing
- HIPAA-compliant AI workflow integration



Transportation & Logistics

- IoT + AI-powered fleet management (TMS)
- Driver safety monitoring via ML
- Predictive maintenance algorithms
- Route optimization & emissions tracking



Energy & Utilities

- Grid optimization with predictive models
- Energy production forecasting
- AI-driven trading & market analysis
- Sustainability & emissions AI



Urban Planning & Govt

- Drone & satellite imagery analysis
- Urban development time-series AI
- Smart city occupancy & traffic models
- Crop & land-use detection (EU Commission)

Data & Enterprise Architecture



The intelligent data foundation every successful AI program is built on

Enterprise Architecture

TOGAF-certified strategic blueprints aligning IT with business goals:

- Business Architecture & Process Models
- Enterprise Data Models & Data Strategy
- Application & Technical Architecture
- Cloud Migration & Disaster Recovery
- Reference Architecture & Design Patterns
- Information Security & Governance
- EA Standards, Principles & Guidelines

Data Engineering & AI Readiness

Scalable pipelines and data infrastructure to power AI at enterprise scale:

- On-Prem & Cloud Data Lake Design
- Data Lakehouse Architecture
- ETL/ELT Engineering & Streaming Analytics
- Data Warehouse & Data Marts (Inmon/Kimball)
- Master Data Management (MDM)
- Data Quality, Governance & Lineage
- Feature Stores for ML model serving

BI, Analytics & AI Insights

From raw data to decision-ready intelligence and predictive foresight:

- Self-Serve BI & Executive Dashboards
- Canned Reporting & KPI Monitoring
- Predictive & Prescriptive Analytics
- Risk Analytics & Compliance Reporting
- Industry-Standard Data Models
- Real-time Streaming Dashboards
- AI-augmented analytical workflows

Application Development & Talent Solutions



Custom AI-embedded applications + precision staffing to accelerate your transformation

Application Design & Development

AI-Embedded Custom Applications — On-Shore, Off-Shore & Hybrid

Web Applications

Intelligent web platforms with built-in AI agents, data dashboards, and automated workflows

Mobile Applications

Cross-platform mobile apps integrating real-time AI features and IoT data streams

AI-Powered Portals

Patient portals, client portals, staff portals with embedded GenAI assistants and automation

Government & eCommerce

Secure, compliant solutions for public sector and digital commerce with AI-driven personalization

Talent Acquisition & Management

Precision Staffing — Technical & AI Specialist Talent

Staff Augmentation

On-demand AI engineers, data scientists, architects, and ML engineers

Project-Based Staffing

Full team delivery for specific AI/data projects with built-in quality oversight

Executive & Technical Search

Recruiting CTO, CDO, AI leads, and specialized data engineering talent

Offshore & Hybrid Models

Cost-effective blended teams with onshore oversight and offshore execution

Trusted by Industry Leaders

\$20M+ delivered across Financial Services, Government, and Real Estate



Freddie Mac

Pentagon Federal
Credit Union

GEICO

Fannie Mae

ICMA-RC

National Rural
Co-op Finance

Highlights:

96%

NLP Classifier
Accuracy (Freddie Mac)

2 mo

Time to deploy first
ML model at Freddie Mac

4

Computer Vision
models deployed

6

Enterprise Data Lakes
Architected & Delivered

Our AI-Powered Products



Proprietary platforms built on our AI consulting DNA — available now



Ojasys-TMS

AI-Powered Transport Management System

- **IoT + AI Intelligence:**
Real-time IoT data fused with ML models for live fleet decision-making
- **Driver Safety AI:**
Behavioral analytics and anomaly detection for driver risk scoring
- **Predictive Maintenance:**
ML-driven maintenance scheduling to reduce unplanned downtime
- **Route & Profit Optimization:**
AI-optimized routing reducing fuel costs and improving delivery margins
- **Logistics Automation:**
Agentic AI automating dispatch, tracking, and fleet reporting workflows



Mobile UPD

AI-Driven Property Appraisal & Inspection

- **Computer Vision Rating:**
CNNs + Vision Transformers assess property condition from photos/video
- **GenAI Descriptions:**
Fine-tuned Mistral LLM generates detailed condition narratives automatically
- **AVM Integration:**
AI condition score feeds comparable property adjustment algorithms
- **Satellite & Drone Data:**
Aerial imagery integration for neighborhood and land analysis
- **Mobile-First Workflow:**
Inspector app for field data capture with real-time AI processing



Why Ojasys for AI?

Decades of Expertise

IT & AI pros with deep finance, energy, real estate & government domain knowledge

Full AI Stack

GenAI · Agentic AI · NLP · Computer Vision · ML Ops
— not just advisory

TOGAF-Certified Architects

Enterprise-grade AI governance & architecture from day one

Hands-On Delivery

Senior experts who build alongside you — not slide-deck consultants

Speed to Value

Pragmatic approach: 96% accuracy deployed in 2 months at Freddie Mac

Trusted Partnership

Long-term client relationships built on transparency, results & shared success

Ready to accelerate your AI journey?



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