



PanAuro AI Deployment Handbook

Real Estate Industry Edition

Version 1.0 — Institutional Deployment Framework
Prepared by: PanAuro Technology Holdings, Inc.
Infrastructure Partner: Pan European Systems (PES)

1. Executive Overview

Purpose of This Handbook

This handbook provides channel partners, distributors, and enterprise customers with a complete framework for deploying PanAuro AI systems within real estate brokerages, real estate agencies, and property management organizations.

It defines:

- Deployment architecture
- Roles of PES, PanAuro, and channel partners
- Hardware requirements
- Deployment timeline
- Maintenance model
- Real estate-specific AI workflows
- Sales and deployment procedures

This handbook enables channel partners to confidently sell, deploy, and support PanAuro AI systems for real estate clients.

Strategic Objective

PanAuro provides enterprise-grade AI infrastructure designed to:

- Improve real estate agent productivity
- Increase lead conversion rates
- Automate administrative workflows
- Improve customer communication efficiency
- Optimize property management operations

PanAuro operates as an enterprise AI infrastructure provider supported by PES high-performance AI data centers.

2. Real Estate Industry Operational Challenges

Current Industry Structure

Typical real estate organizations include:

- Residential real estate brokerages
- Commercial real estate firms
- Property management companies
- Real estate investment firms
- Real estate franchise organizations

Typical office size:

Small real estate agency: 5–20 agents

Medium brokerage: 20–200 agents

Large brokerage: 200–5,000+ agents

Key Operational Inefficiencies

Common workflow bottlenecks include:

Manual lead qualification
Manual client follow-up
Manual property recommendation
Administrative workload
Listing preparation inefficiencies
Tenant communication delays

These workflows are ideal for AI automation.

3. PanAuro AI System Architecture

PanAuro operates a hybrid architecture consisting of:

- PES Data Center (Core AI compute)
 - PanAuro AI Platform (control and orchestration layer)
 - Edge AI hardware (customer site)
 - Channel partner deployment and support layer
-

3.1 PES Data Center Role (Core AI Infrastructure)

PES provides centralized AI compute infrastructure.

Responsibilities include:

- Hosting AI models optimized for real estate workflows
- Providing GPU compute (H100, B200, and future generations)
- Processing AI inference requests
- Maintaining secure compute environment
- Providing scalable compute capacity

PES acts as the central AI processing facility.

3.2 PanAuro AI Platform Role (AI Service Provider)

PanAuro provides the enterprise AI deployment platform.

Responsibilities include:

- AI deployment management
- Integration with real estate CRM and listing systems
- AI orchestration between customer and PES
- Monitoring and diagnostics
- Software and AI model updates
- Secure system operations

PanAuro operates as the AI service provider and deployment orchestrator.

3.3 Edge Hardware Role (Customer Site Infrastructure)

Edge AI hardware is installed at real estate offices.

Primary functions include:

- Fast local AI processing
- Secure handling of client and property data
- Reduced network latency
- Reliable connectivity with PanAuro platform

Edge hardware ensures enterprise-grade performance and reliability.

3.4 Channel Partner Role

Channel partners operate as AI distributors.

Responsibilities include:

Customer acquisition
Customer onboarding
Deployment coordination
Customer training
First-level support

PanAuro provides technical infrastructure and advanced support.

4. AI Use Cases for Real Estate Industry

4.1 Lead Qualification Automation

Capabilities include:

Automated lead scoring
Client intent analysis
Lead prioritization

Efficiency improvement:

40–70%

4.2 Client Communication Automation

Capabilities include:

Automated client responses
Property inquiry handling
Client follow-up automation

Efficiency improvement:

30–60%

4.3 Property Recommendation Automation

Capabilities include:

Property matching with client requirements
Personalized property recommendations

Efficiency improvement:

30–50%

4.4 Listing Creation and Management Automation

Capabilities include:

Property listing generation
Property description automation
Listing data management

Efficiency improvement:

40–70%

4.5 Property Management Automation

Capabilities include:

Tenant communication automation
Maintenance request processing
Lease management assistance

Efficiency improvement:

30–60%

5. Deployment Architecture Flow

Real Estate Office
↓
Edge AI Server
↓
PanAuro AI Platform
↓
PES Data Center
↓
AI Processing
↓
Response returned

This hybrid architecture ensures high performance, security, and scalability.

6. Deployment Timeline

Typical deployment timeline is 4–6 weeks.

Phase 1 — Customer Onboarding

Phase 2 — System Provisioning

Phase 3 — Edge Hardware Deployment

Phase 4 — Integration

Phase 5 — Testing

Phase 6 — Production Launch

7. Edge Hardware Specifications

Small real estate agency:

Recommended hardware:

CPU server

64GB RAM

2TB storage

Cost:

\$4,000–\$8,000

Medium brokerage:

Recommended hardware:

128GB RAM

Optional GPU (RTX 4090)

Cost:

\$8,000–\$20,000

Large brokerage:

Recommended hardware:

Enterprise GPU (L40, A100, H100)

Cost:

\$25,000–\$100,000

8. Maintenance and Support Model

PanAuro provides:

- AI software updates
- AI model updates
- Remote monitoring
- Security updates

PES provides:

Core infrastructure maintenance

Channel partners provide:

- Customer support
- Training
- Deployment coordination

9. Channel Partner Deployment Responsibilities

Channel partner responsibilities:

- Identify real estate client
- Conduct workflow assessment
- Coordinate deployment
- Provide customer onboarding

PanAuro manages technical infrastructure.

10. Pricing Model

Small agency:

\$1,200/month

Medium brokerage:

\$3,500/month

Large brokerage:

\$6,000–\$15,000/month

11. Revenue Sharing Model

PanAuro: 60%

Channel Partner: 25%

PES Infrastructure: 15%

12. ROI Analysis Example

Typical agent administrative workload cost equivalent:

\$30,000/year

Efficiency improvement:

40%

Savings:

\$12,000/year per agent

AI system cost:

\$14,000/year

Additional revenue increase from improved conversion rates provides significant ROI.

13. Scaling Model

System scales easily:

- Add additional offices
- Add additional agents
- Increase compute capacity

PanAuro and PES infrastructure supports unlimited scaling.

14. Competitive Advantages

PanAuro provides:

- Enterprise-grade infrastructure
- Hybrid edge and data center architecture
- Scalable deployment
- Channel partner deployment model

PanAuro provides complete AI infrastructure, not just software tools.

15. Deployment Checklist (Channel Partner Quick Guide)

Channel partner checklist:

- Identify real estate client
- Collect requirements
- Submit deployment request
- Deploy edge hardware
- Support onboarding

PanAuro manages AI infrastructure.

End of Handbook

PanAuro Technology Holdings, Inc.