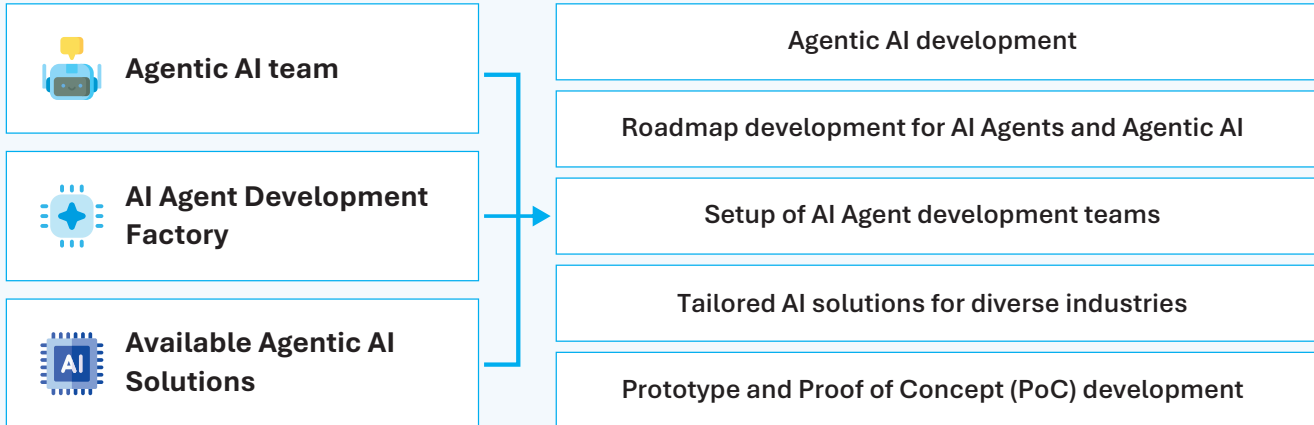




# TMA AI Agent Development Factory

With hundreds of AI engineers and more than 100 AI available solutions, TMA AI Center and AI Agent Development Factory can offer innovative AI services and solutions, and quickly develop your AI agents.



## AI Agent Development and Deployment Framework



### Foundation AI Models

- This component provides a wide range of foundation AI models, including machine learning, computer vision, and large language models.
- These models can be used immediately out-of-the-box or fine-tuned to match specific business needs, offering flexibility for various use cases and industries.



### AI Agent Development Framework

- The framework offers a rich library of pre-built agents spanning multiple domains and industries.
- It exposes both no-code and low-code interfaces, allowing users to build agents and workflows easily without deep technical understanding.
- Additionally, it provides an Agent SDK for implementing custom agents based on specific business requirements.



### Enterprise & Tool Integration

- This component focuses on seamless integration with existing enterprise applications, data sources and other 3rd parties through a comprehensive set of integration tools.
- It supports both native enterprise data connectors (SQL, NoSQL, Data Streaming, HTTPS) and modern open agent protocols (MCP, A2A), ensuring broad compatibility across different data sources and integration methods.



### Agentic Orchestration & Management Engine

- The orchestration engine handles multi-agent workflow management with different paradigms, ranging from automation workflows to agentic decision making.
- Support for modern knowledge bases (RAG, GraphRAG), context-based awareness with continuous learning capabilities.
- Monitoring and observability for tracking agent performance and continuous enhancement.
- Security and governance services to ensure agents operate safely and in compliance with critical policies.



### Cross-Platform Deployment

- This component utilizes container-based packaging to provide flexibility in deploying agents and workflows across multiple platforms, supporting both on-premise and cloud-based environments.
- This ensures scalability and adaptability to various infrastructure requirements.





# TMA AI Agent Framework

Leverage TMA AI Agent Framework to create new AI Agents

**Enterprise Systems**  
(Health Tech, Networking/Telecom, ERP...)



## Enterprise Integration

Seamlessly Integrating with existing enterprises

## Seamless Plug & Play Workflows

No-code Workflow Creation



Health Tech Workflows



ERP Workflows



Your Custom Workflows

## Core Agentic Framework

Ready-To-Use Agents for multiple use cases

### Agents Library



Common Agents



Industry-Specific Agents



Custom Agents



Multi-Agent Workflow Management With Different Paradigms



System &  
Workflows  
Orchestration

## Agent SDK

Easily build your custom agents with our Agent SDK



[www.tmasolutions.com](http://www.tmasolutions.com)



+84 28 3997 8000



[sales@tmasolutions.com](mailto:sales@tmasolutions.com)



# AI Agent Development Process



## New Agent Request & Requirements Analysis

New agent request is submitted. Requirements are analyzed to determine business objectives, technical specifications, and integration needs.

### Key Activities:

- Business case validation and ROI assessment
- Technical feasibility analysis
- Identify existing agent templates that can be reused
- Define success metrics and acceptance criteria

### TMA AI Agent Development Factory Utilized:

AI Agent Development Framework

Foundation AI Models



## Agent Design & Architecture Planning

Leverage TMA's pre-built agent library and development framework to design agent architecture. Select appropriate foundation models and define integration touchpoints.

### Productivity Boost:

- Browse rich library of pre-built agents across multiple domains
- Select and customize existing agent templates (50% faster than building from scratch)
- Use no-code/low-code interface for rapid prototyping
- Suggest optimal foundation models based on use case

### TMA AI Agent Development Factory Utilized:

AI Agent Development Framework

Foundation AI Models

Enterprise & Tool Integration



## Agent Development & Integration

Build or customize agent using TMA's comprehensive development tools. Integrate with enterprises, data sources and external systems through pre-configured connectors.

### Productivity Boost:

- Drag-and-drop agent building with visual workflows
- Pre-configured enterprise data connectors (SQL, NoSQL, APIs)
- Agent SDK for advanced customizations when needed
- Built-in support for modern protocols (MCP, A2A)

### TMA AI Agent Development Factory Utilized:

AI Agent Development Framework

Enterprise & Tool Integration

Foundation AI Models



## Sandbox Testing & Validation

Deploy agent in secure sandbox environment for comprehensive testing. Use orchestration engine, mock data to simulate real-world scenarios and validate agent behavior.

### Sandbox Environment:

- Isolated testing environment with production-like data
- Multi-agent workflow simulation and interaction testing
- Performance monitoring and behavior analysis
- Security and compliance validation

### TMA AI Agent Development Factory Utilized:

Agentic Orchestration & Management Engine

Cross-Platform Deployment

Enterprise & Tool Integration



## Production Deployment & Orchestration

Deploy validated agent to production environment using container-based deployment. Configure orchestration rules and integrate with existing agent ecosystem.

### Productivity Boost:

- Easily changing agent from sandbox to production
- Container-based deployment across cloud/on-premise
- Auto-scaling and load balancing configuration
- Seamless integration with existing agent workflows
- Deployment with rollback capabilities

### TMA AI Agent Development Factory Utilized:

Cross-Platform Deployment

Agentic Orchestration & Management Engine



## Monitoring, Optimization & Continuous Learning

Monitor agent performance in production, gather analytics, and continuously optimize based on real-world usage patterns and feedback.

### Continuous Improvement Cycle:

- Real-time performance monitoring and alerting
- Usage analytics and behavior pattern analysis
- Feedback loop for model fine-tuning
- Version control and rollback capabilities

### TMA AI Agent Development Factory Utilized:

Agentic Orchestration & Management Engine

Foundation AI Models

Cross-Platform Deployment



## Sample AI Agents

Document intelligence system agent	Customer service agent	CRM assistant
Receptionist agent	Learning support agent	Agentic vision agent
Testing agent	Patient intake assistant	Note taker agent
Call center assistant	Warehouse management system agent	Multi-taskers agent



## Contacts

**Vietnam:** +84 28 3995 1060

+84 28 3990 2680

**North America:** +1 844 224 4188

**Europe:** +33 7 44 77 49 24

**Email:** [sales@tmasolutions.com](mailto:sales@tmasolutions.com)

**Australia:** +61 411 276 342

**Japan:** +81 50 5490 9867

**Korea:** +84 946 177 624

**Singapore:** +84 946 177 624

**Website:** [www.tmasolutions.com](http://www.tmasolutions.com)  
[www.tmasolutions.ai](http://www.tmasolutions.ai)