

TECH OFFER

AI-Powered Low-Code Generative AI Application Platform



KEY INFORMATION

TECHNOLOGY CATEGORY:

Infocomm - Artificial Intelligence

TECHNOLOGY READINESS LEVEL (TRL): **TRL7**

COUNTRY: **SINGAPORE**

ID NUMBER: **TO175496**

OVERVIEW

While generative AI presents significant opportunities for productivity gains and innovation, many organisations face challenges in adoption due to limited AI expertise, complex system integration requirements, and concerns around security and governance.

This technology is an enterprise-grade, low-code/no-code generative AI application platform that enables organisations to rapidly design, deploy, and manage customised AI-powered applications without extensive software development or machine learning expertise. The platform supports multi-agent AI orchestration, integrates with a wide range of pretrained and proprietary models, and offers flexible deployment options including secure cloud, private cloud, and on-premise environments.

By abstracting the complexity of AI development and providing built-in governance, monitoring, and workflow orchestration capabilities, the platform allows organisations to accelerate AI adoption while maintaining control, security, and compliance.

TECHNOLOGY FEATURES & SPECIFICATIONS

Low-Code AI Application Builder

Enables rapid creation of AI-powered applications such as conversational agents, intelligent assistants, automated report generators, and document processing tools without writing code.

Multi-Agent Workflow Orchestration

Supports the design and coordination of multiple AI agents to automate complex, multi-step business processes (e.g. information retrieval, validation, analysis, and response generation).

Model-Agnostic Architecture

Allows users to access a curated library of pretrained models or integrate proprietary and third-party models via APIs, providing flexibility and avoiding vendor lock-in.

Flexible & Secure Deployment

Supports deployment across public cloud, private cloud, or on-premise environments, with enterprise-grade security controls, access management, and data protection.

Monitoring, Analytics & Governance

Provides real-time visibility into AI usage, performance, and behaviour, enabling optimisation, auditability, and responsible AI governance.

POTENTIAL APPLICATIONS

Enterprise Process Automation

- Automation of administrative and operational workflows
- Intelligent assistants for internal knowledge management and decision support

Customer Engagement & Support

- AI-powered chatbots and virtual agents for customer enquiries
- Automated classification and analysis of customer feedback

Data & Document Intelligence

- Extraction and structuring of information from unstructured documents such as contracts, invoices, and reports

- Automated summarisation and compliance checks

AI-as-a-Service & System Integration

- Packaging AI workflows as APIs for integration with existing enterprise systems (e.g. CRM, ERP, analytics platforms)

UNIQUE VALUE PROPOSITION

Unlike conventional AI development approaches that require specialised technical teams and long development cycles, this technology enables organisations to rapidly prototype, deploy, and scale customised generative AI applications through a configurable, modular, and secure platform. This significantly reduces time-to-value while empowering business users to actively participate in AI-driven transformation.