

AireGlu

Modern low-code integration
and interoperability platform

Service definition



Introduction

AireGlu is a modern low-code integration and interoperability platform designed specifically for health and care organisations. It connects applications, systems, and data sources using healthcare standards such as HL7 and FHIR, enabling secure, reliable information flow and rapid integration without dependence on complex release cycles. With built-in AI capabilities, AireGlu can assist in generating integration pipelines and automating repetitive mapping tasks, helping teams get started faster and adapt at speed.

Overview

Health and care organisations operate within complex digital environments made up of legacy systems, modern platforms, and specialist applications. These systems often struggle to communicate, creating data silos, inefficiencies, and additional burden for clinicians and operational teams.

AireGlu addresses this challenge by providing a low-code, healthcare-aware integration platform that simplifies how systems connect and exchange data. It enables organisations to design, deploy, and adapt integrations quickly, independently of core system release schedules, while maintaining strong governance, security, and reliability.

Built on over 20 years of healthcare data architecture expertise, AireGlu supports integration across local, regional, and national landscapes, helping organisations modernise safely and at pace.

Rapid, Low-Code Integration

AireGlu uses an intuitive, web-based drag-and-drop interface that allows both technical and non-technical users to create and manage integrations quickly. Integration logic is decoupled from core applications, enabling changes to be made without disrupting existing systems or waiting for supplier release cycles.

AI-Assisted Integration

AI features support faster integration by:

- Automatically suggesting pipeline structures based on uploaded specifications or historical patterns
- Recommending data mappings between systems, including HL7, FHIR, and custom formats
- Generating initial integration workflows that teams can refine, reducing manual setup and errors

This AI-driven approach accelerates deployment, reduces reliance on scarce development resources, and allows organisations to focus on outcomes rather than technical complexity.

Healthcare-Ready Interoperability

The platform is designed specifically for health and care, with built-in support for common healthcare standards and messaging patterns. AireGlu enables clean, validated data exchange while preserving data integrity across systems.

Workflow Automation

Integrations can be combined into automated pipelines that ensure the right information reaches the right system or person at the right time. This reduces manual handling, improves timeliness, and supports safer, more efficient care delivery.

Scalable and Future-Proof Architecture

AireGlu supports loose coupling between systems, making it easier to replace, upgrade, or introduce new applications in the future. Integrations can be versioned, tested, and deployed safely across environments, supporting growth and change over time.

Key Capabilities

- Low-code integration design with drag-and-drop mapping
- AI-assisted pipeline generation and data mapping
- Creation of secure task pipelines and workflows
- Exposure of integrations as secure HTTP endpoints with configurable authentication
- Support for healthcare standards including HL7v2, FHIR, Spine, and MESH
- Data transformation and validation using common healthcare and open formats
- Versioning, staging, and testing environments to support safe deployment
- Secure credential handling and encrypted secrets management
- Monitoring and visibility of integration activity

Key Benefits

- **Faster integration delivery:** Build and adapt integrations in days, not months
- **Reduced complexity and cost:** Avoid heavy, code-intensive integration engines
- **Improved interoperability:** Enable consistent, standards-based data exchange
- **AI-enhanced efficiency:** Automatically generate pipelines and mapping suggestions
- **Operational resilience:** Decouple integrations from core systems and release cycles
- **Scalable and secure:** Enterprise-grade reliability with strong governance and auditability
- **Healthcare-focused by design:** Built specifically for the realities of health and care IT

Security, Reliability, and Compliance

AireGlu is built to enterprise standards and hosted on AWS, delivering high availability and resilience. It supports strong access controls, encrypted data handling, full audit trails, and alignment with relevant healthcare and data protection requirements, including GDPR and NHS standards where applicable.

Implementation

Managing change and requirements

Our first priority is to gather a comprehensive understanding of your organisation's requirements to implement AireGlu and manage change. Our team will be fully accessible and in regular contact with stakeholders across the organisation to meet the developing health and care needs and AireGlu requirements.

Depending on the scale of the implementation we can support/complement internal resources with our own business analysts, project managers and integration engineers.

We can mobilise a skilled delivery team quickly when a contract has been awarded, experienced in implementation and change management. We will work collaboratively with you to validate and confirm deployment requirements. This ensures that our team can work with teams immediately to draw on their practical experiences, raise awareness of AireGlu functionality and identify minimum delivery requirements that can be iterated on.

At the start of the project, we'll work with key stakeholders from the organisation to discuss the flexible deployment options and ensure we have captured the requirements.

Development of solutions

Integration requirements are studied on a case-by-case basis, and we produce a solution which is fitting to the technical landscape. With our long-term background in healthcare integration we are familiar with a wide range of healthcare systems standards and protocols. We are often asked to consult on integration development best practice. We would seek to use the functionality within AireGlu to accelerate an otherwise complex integration. In such cases, we may often undertake the pipeline development as a professional service.

Training

Our training can cover a number of elements of the deployment of AireFrame HR from the business process considerations for the deployment through, design requirements, through to maintenance and operation of the solution.

The aim of the training is to ensure that where a customer requires training in any of these items they understand how the solution can be utilised to meet their workflow and pathway requirements.

End user training is rarely needed as the resulting solutions are easy to use and very intuitive by nature. However we can support any training that is required. For example, where complex forms need training support to be given locally.

Hosting and technical requirements

AireGlu is delivered as a fully hosted solution through our trusted partner, AWS., providing the highest levels of security and compliance. The platform is browser-based and accessible via any modern browser, including Chrome, Edge, Safari, and Firefox, without the need for additional extensions.

In line with our open platform policy, AireBlocks includes open APIs, allowing integration with a wide range of other systems and solutions. This flexibility ensures that clients can connect AireBlocks with existing technology and adapt it to meet evolving local requirements.

Support

Aire Innovate provides comprehensive technical support for AireGlu following implementation. Our support team is available between 8:30am and 5:30pm, reachable by telephone or email. All support requests are logged and tracked through our JIRA-driven support desk, ensuring timely updates and resolution in line with agreed service level agreements.

Our approach is underpinned by a continuous improvement ethos, with AireGlu regularly updated to meet evolving requirements and to reflect new needs identified by clients. In addition to technical support, we offer dedicated account management to review system performance, discuss new features, and explore opportunities to extend the use of the platform, ensuring clients can make the most of AireGlu over time.

About us

Aire Innovate was founded to transform digital innovation in health and care. Drawing on the expertise of our sister company, **Aire Logic**, which has delivered over 1,000 IT projects across national programmes, regional initiatives, ad hoc innovations, and pro bono work, we bring deep knowledge of healthcare systems and digital transformation.

Our low-code platform, **AireBlocks**, allows teams to build, connect, and adapt solutions precisely to their needs. Unlike off-the-shelf software, it supports rapid innovation, flexible scaling across regions, and local configuration, enabling organisations to respond quickly to changing clinical, operational, and regulatory requirements.

Mission & Vision

We empower health and care teams to take control of digital transformation, turning plans into reality, accelerating innovation, and improving outcomes for patients and staff.

Values & Expertise

We focus on meaningful impact, supporting our people, and delivering trusted, reliable solutions. AireBlocks combines secure system integration, tailored workflows, and robust governance to deliver high-quality, scalable healthcare solutions efficiently.