

AI-Enhanced Healthcare From Diagnosis to Care

Technology Partner for AI-Driven
Healthcare Systems

ASSIST Software designs and delivers AI-enabled healthcare systems used in regulated, operational environments.

ASSIST
Innovative Minds



Innovation in Healthcare is Our Priority

We build secure, interoperable platforms that support clinical decision-making, healthcare data intelligence, and digital care delivery at scale.

Our healthcare work supports providers, digital health companies, research initiatives, and public-sector healthcare organizations.



Healthcare Systems Demand Precision

Healthcare systems operate under strict regulatory, operational, and data-protection constraints.

Our software integrates with existing infrastructure, processes sensitive information securely, and performs reliably in daily clinical use.



Having addressed a wide range of healthcare challenges, we bring practical expertise to the most complex scenarios.

Characteristics of Healthcare Projects

High-Impact Environments

Healthcare software supports clinical and operational decisions. System reliability and data accuracy are mandatory.

Regulatory and Data Constraints

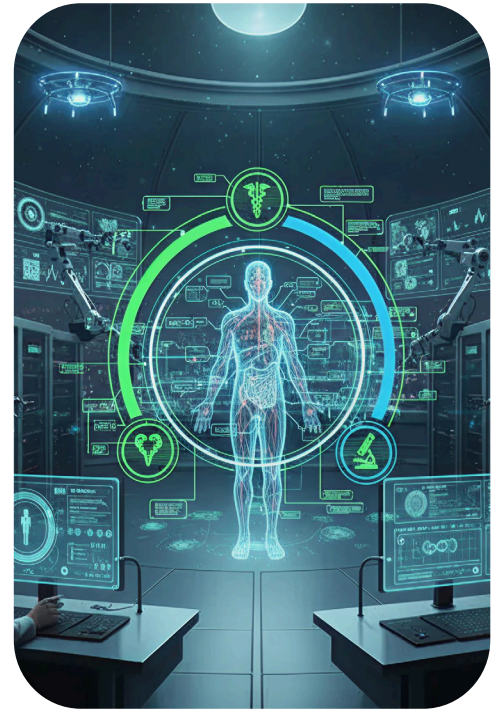
Solutions are designed to comply with healthcare data protection requirements and audit expectations from the outset.

Complex System Landscapes

Healthcare platforms must integrate with legacy systems, medical devices, and heterogeneous data sources.

Workflow Continuity

Systems are designed to fit existing clinical workflows and decision processes, minimizing disruption and training overhead.



Our Delivery Model

Rapid Validation. Scalable Systems.

We begin with focused prototypes to validate functionality, integration, and data handling. Validated components are evolved into production systems through controlled, iterative delivery.

Our teams manage:



**System
Architecture &
Platform Design**



**AI Model
Integration &
Validation**



**Healthcare Data
Pipelines &
Interoperability**



**Security, Privacy,
& Compliance
Enforcement**

The result is production-ready healthcare software deployed in real operational environments.

AI-Supported Diagnostics and Decision Systems

Clinical support systems that identify relevant patterns, risks, and signals in medical data.

Patient Monitoring and Digital Care Platforms

Systems supporting continuous monitoring, event detection, and patient interaction.

WHAT WE DELIVER FOR HEALTHCARE

Healthcare Data Platforms

Secure aggregation and analysis of clinical, operational, and patient-generated data.

System Integration and Interoperability

EHR and EMR integration and modernization of legacy healthcare platforms.

Healthcare Data We Work With



Clinical and patient-generated data



Medical device and sensor data



Operational and administrative healthcare data



Research and observational datasets

Operational Impact

Delivered systems are designed to:



**REDUCE MANUAL
PROCESSING**



**ENABLE EARLIER DETECTION
AND INTERVENTION**



**IMPROVE DECISION
SPEED AND ACCURACY**



**INCREASE TRANSPARENCY ACROSS
HEALTHCARE WORKFLOWS**

AI is implemented as a controlled, auditable component of the system architecture.





Validation and Testing

Healthcare systems are validated for:



**DATA ACCURACY
AND CONSISTENCY**



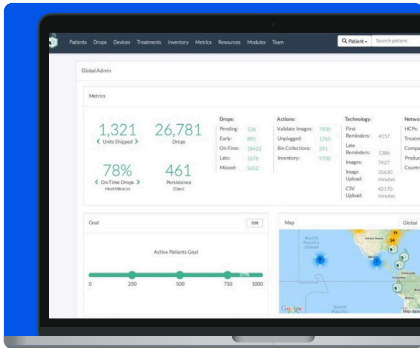
**RELIABILITY UNDER REAL
USAGE CONDITIONS**



**STABILITY OF INTEGRATIONS
WITH EXISTING PLATFORMS**

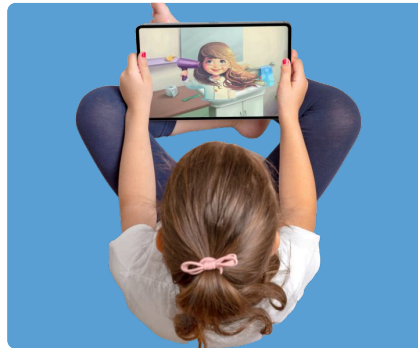
Testing is performed continuously throughout development and deployment.

Selected Healthcare Projects



HealthBeacon

Digital systems supporting patient adherence and treatment visibility across healthcare pathways.



Autisma

Adaptive digital platforms supporting accessibility and personalized interaction for neurodiverse users.



MetriTrack

Data monitoring and analytics platforms providing operational and performance visibility in healthcare contexts.

Enhancing Patient Safety Through Digital Clinical Workflows

Mesalvo

About the Client

Mesalvo is a leading European healthcare software provider delivering clinical and administrative systems for hospitals across Germany and other EU markets.

Challenge

- Medical errors & fragmented systems
- Limited digital workflows
- Strict regulatory requirements

Solution

- Health platform improvement
- Integrated desktop + backend services
- Cross-department interoperability

Results

- Reduced medication risks
- Real-time clinical validation
- Improved efficiency

Security, Compliance, and Accessibility

Healthcare systems must meet strict requirements for data protection, accessibility, and operational security.

Our systems are designed with:



**Privacy-first
data handling**



**Auditable processing
and behavior**



**Transparent
AI model operation**



**Accessibility and
inclusivity considerations**

Immersive Training & Simulation for Healthcare

Bridging the Gap Between Clinical Training and Real-World Care

We develop high-fidelity simulation environments that enable medical professionals to train, validate procedures, and improve decision-making without risk to patients.

Core Capabilities

1. Custom XR & PC Development

Immersive training applications for VR, AR, and desktop, tailored to clinical workflows such as surgery, emergency response, and patient care scenarios.

2. Clinically Accurate Simulation Environments

High-fidelity virtual settings that replicate hospital conditions, medical equipment, and real-life procedures.

3. Digital Twins for Healthcare Systems

Virtual replicas of medical devices, workflows, or entire clinical environments to ensure training translates directly into practice.

INTEGRATIONS AND MEDICAL COMPLIANCE

INTEGRATIONS

- Vodafone private B2B network integration with AWS cloud
- AbbVie Hub Portal (passed AbbVie QA process – SQA)
- Teva Salesforce
- SAP Unipharm
- Twilio – Communication APIs for SMS, Voice,
- Video & Authentication

COMPLIANCE

- ISO 9001
- ISO 27001
- ISO 14001
- SAP Unipharm
- HIPAA / HITECH ready
- GDPR certified



Companies who trust us



"The main reason we enjoy working with ASSIST is that they produce consistently high-quality work. We had looked at several outsourced solutions for our development activities and found that ASSIST provides highly skilled resources."

Dr. Calin Caluser, CEO at **MetriTrack Inc**



"ASSIST have done a great job for us [HealthBeacon] and they are really a very experienced software design company covering everything from UI to Cloud backend to data storage to data vizualisation and beyond."

Adrian Burns, CEO at **Firmwave Secure IoT Solutions**



1st
Place

Romania Top Profit 2023

Top for Romania, field 7219:
Research and development in other
natural sciences and engineering.



2nd
Place

Top National Companies 2023

In Research, Development
and High Tech



3rd
Place

Top National Companies 2024

Large Companies: Research,
Development & High Tech

Contact us to discuss **your**
healthcare system
requirements.

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Find out more

