

NEXTHEALTHAPP

THE INTELLIGENT, DEVICE-AGNOSTIC TELEMEDICINE PLATFORM

Continuous health data. AI-powered insights. Human-led care.

One platform connecting patients, healthcare professionals, medical devices, wearables and health data — regardless of manufacturer, operating system or device ecosystem.





THE SHIFT

The Future of Telemedicine Is Data-Driven

Healthcare is moving from episodic care to continuous intelligence.

TRADITIONAL HEALTHCARE RELIES ON

- Occasional measurements
- Patient-reported symptoms
- Fragmented medical records
- Manual interpretation
- Reactive intervention

THE NEXT GENERATION COMBINES

- Continuous data
- Artificial intelligence
- Clinical intelligence
- Personalised care

From treating disease after it happens to identifying risk earlier and continuously supporting better health outcomes.



TRUE DEVICE INDEPENDENCE

One Platform. Any Device. Any Data.

The platform is designed to operate independently from hardware manufacturers and technology ecosystems.

- Medical-grade IoT devices
- Consumer wearables
- Smartphones & tablets
- Smart scales & thermometers
- Blood pressure monitors
- Glucose meters & CGMs
- Pulse oximeters
- ECG devices
- Sleep trackers
- Fitness trackers
- Existing healthcare systems
- Third-party health platforms

The patient chooses the device.

The healthcare provider chooses the workflow.

The platform connects everything.

ONE DATA LAYER — MANY SOURCES

The Device-Agnostic Health Data Layer

Data can enter the platform through multiple channels:



Direct Device Connectivity

Bluetooth / BLE / Wi-Fi / IoT



Mobile Health Ecosystems

Apple Health / Google Health Connect / manufacturer APIs



Wearables

Garmin / Polar / Withings / Oura / Fitbit and others



Healthcare Systems

EHR / EMR / laboratory / hospital systems

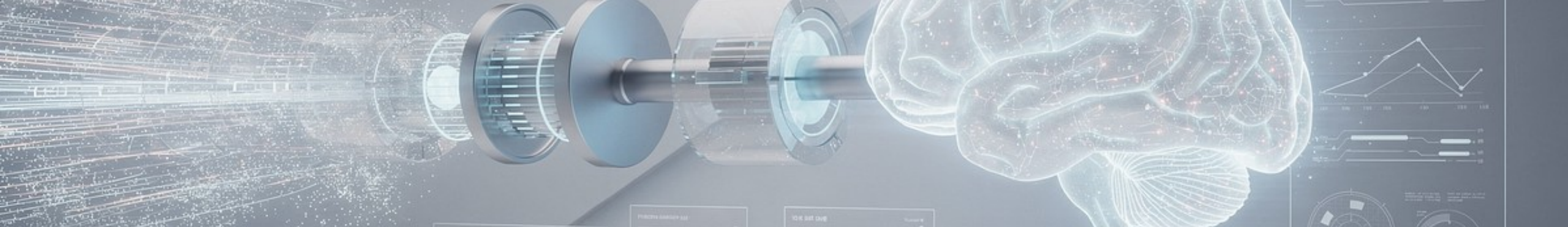


Manual & Patient-Generated Data

Symptoms / medication / lifestyle / questionnaires

The platform abstracts the underlying technology and creates one unified patient data model.





THE INTELLIGENCE PIPELINE

From Data Collection to Health Intelligence

We do not just collect data. We understand it.

1

Collect

Physiological, behavioural and clinical data

2

Normalize

Different devices. Different formats. One data model.

3

Understand

Context, trends, relationships, anomalies

4

Predict

Emerging risks and potential deterioration

5

Act

Personalised recommendations, alerts, workflows

AI-NATIVE HEALTHCARE INTELLIGENCE

AI at Every Layer of the Platform

Detection & Analysis

- Anomaly detection
- Trend analysis
- Risk stratification
- Predictive modelling

Clinical Support

- Patient segmentation
- Clinical decision support
- Personalised interventions

Communication

- Natural-language summaries
- Medical documentation
- Patient communication

Operations

- Workflow automation
- Intelligent triage

AI becomes the intelligence layer connecting continuous data with human healthcare.





AI PATIENT COPILOT

A Personal Health AI for Every Patient

An always-available conversational interface that understands the patient's longitudinal health context.

"What changed in my health this week?"

"Why is my blood pressure higher than usual?"

"What should I measure today?"

"Did my sleep affect my glucose?"

"What medications do I need to take?"

"When should I contact my doctor?"

AI informs. Humans decide.

Turning Thousands of Measurements into Clinically Useful Information

Doctors don't need more data. They need the right information at the right time.

- Summarise longitudinal patient data
- Highlight clinically relevant changes
- Detect unusual patterns
- Prioritise patients by risk
- Identify missing measurements
- Compare current vs. historical condition
- Generate visit preparation summaries
- Create draft clinical notes
- Explain why an alert was generated
- Surface relevant patient context

From data overload to clinical signal.





HEALTH DATA IS MORE THAN NUMBERS

Multimodal Health Intelligence



Physiological

Heart rate, BP, glucose, SpO₂, temperature, weight



Behavioural

Activity, sleep, mobility, adherence



Clinical

Diagnoses, medications, lab results, medical history



Patient-generated

Symptoms, questionnaires, diaries, free-text notes



Environmental

Contextual signals such as activity patterns & routines

AI analyses these signals together rather than treating every measurement independently.

A LIVING DIGITAL MODEL OF THE PATIENT

Personal Health Digital Twin

Instead of looking at isolated measurements, the platform builds a continuously updated representation of the patient's health state.

Baseline Health

**Historical
Measurements**

Current Condition

Medication

Lifestyle

Symptoms

Risk Factors

Trends

**Treatment
Response**

THIS ENABLES A MORE IMPORTANT QUESTION SHIFT:

"What is today's measurement?"

*"What is happening to this
patient?"*





FROM REACTIVE ALERTS TO PREDICTIVE CARE

Predictive Health Intelligence

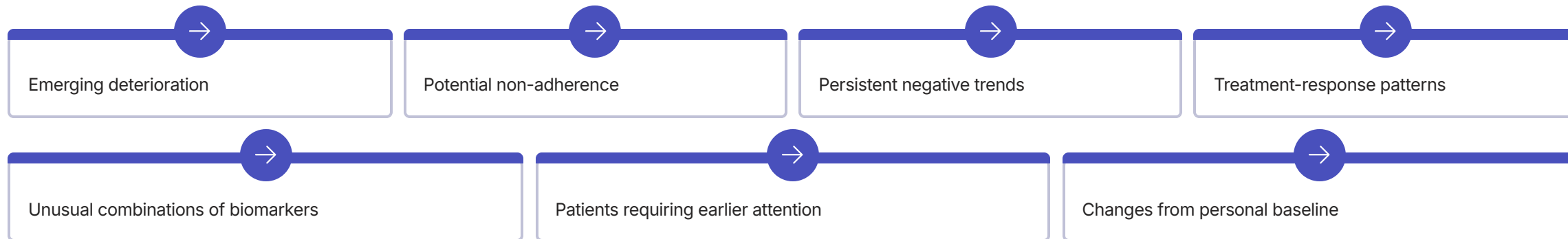
TRADITIONAL MONITORING

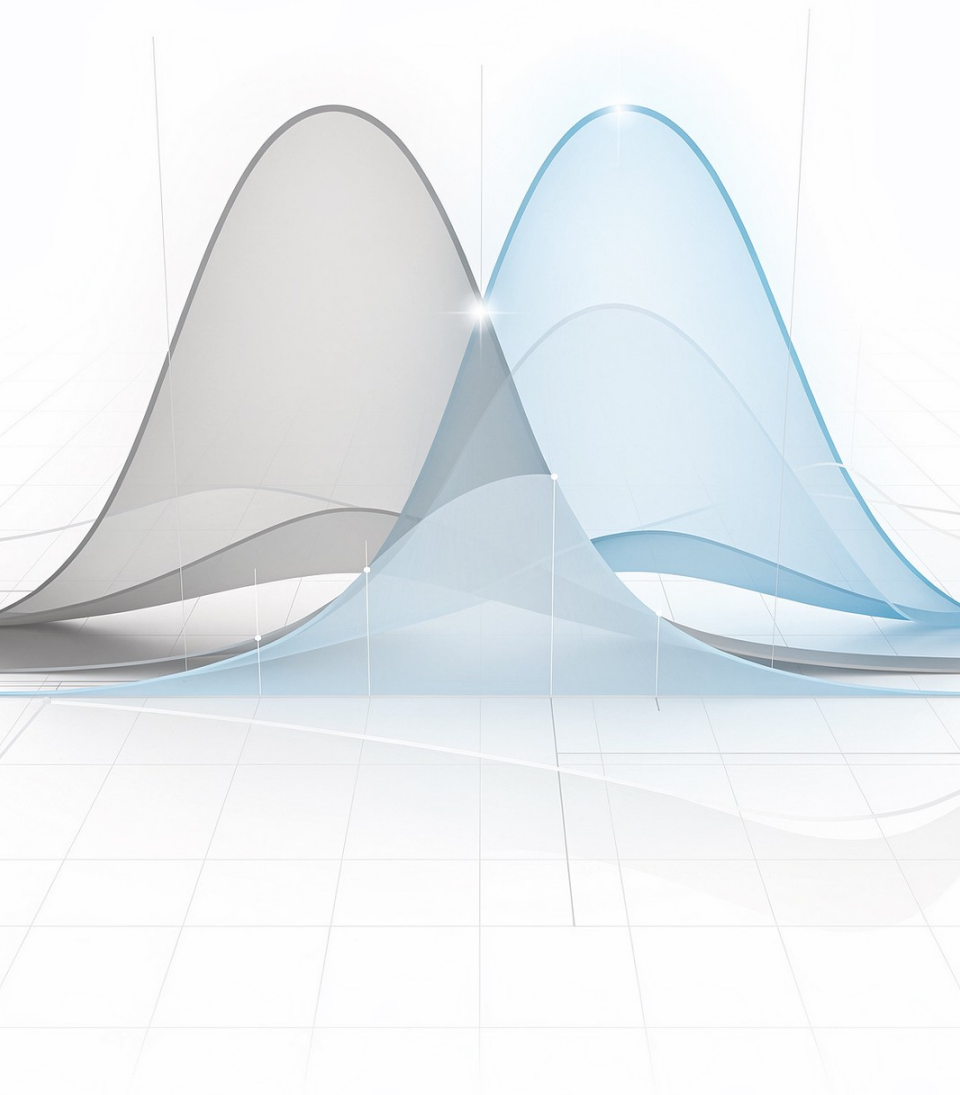
1. Measurement
2. Threshold exceeded
3. Alert

AI-POWERED MONITORING

1. Measurement
2. Context
3. Pattern
4. Trend
5. Risk
6. Recommended action

THE SYSTEM CAN IDENTIFY:





EVERY PATIENT IS DIFFERENT

Personal Baselines, Not Just Population Thresholds

A fixed clinical threshold is not always enough. AI can establish a personalised baseline based on the patient's own historical data.

INSTEAD OF

"Is this value outside the generic range?"

THE SYSTEM CAN ALSO ASK

"Is this unusual for this patient?"

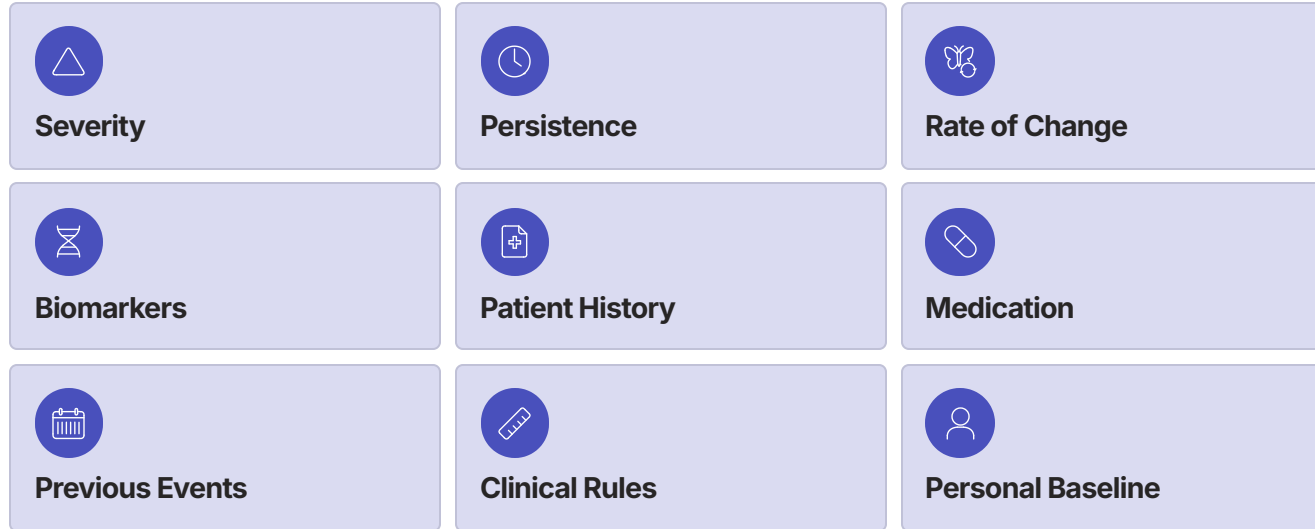
This enables more contextual and personalised monitoring while keeping configurable clinical rules and physician-defined thresholds.

FEWER FALSE ALARMS. MORE RELEVANT SIGNALS.

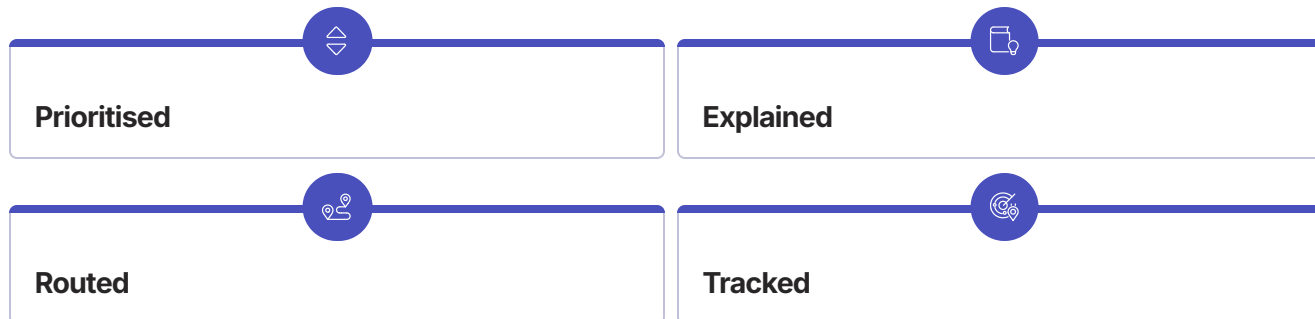
Intelligent Alerting

Traditional telemedicine can generate large numbers of alerts. AI-powered alert orchestration evaluates multiple factors to deliver smarter signals.

WHAT AI EVALUATES



ALERTS CAN THEN BE



Different alerts can automatically reach the patient, caregiver, nurse or physician depending on predefined workflows.





FROM AUTOMATION TO INTELLIGENT ACTION

Agentic Healthcare Workflows

The next generation of healthcare software is not only predictive — it is increasingly agentic.



Monitoring assigned patients



Checking missing measurements



Preparing daily clinical dashboards



Following up with patients



Sending measurement reminders



Escalating unresolved alerts



Preparing consultations



Generating reports



Coordinating predefined care workflows

Human approval remains available wherever clinical or regulatory requirements demand it.



CONTINUOUS MONITORING WITHOUT CONTINUOUS MANUAL WORK

AI-Powered Remote Patient Monitoring

The platform continuously monitors patient data in the background. AI determines:

01

What changed?

02

How important is it?

03

Why might it matter?

04

Who needs to know?

05

What should happen next?

Healthcare professionals receive prioritised information instead of raw data streams.



ONE PLATFORM. MULTIPLE CLINICAL DOMAINS.

Disease-Specific AI Modules

The existing platform already supports disease-specific workflows such as diabetes and cardiovascular monitoring, with additional modules for specialised use cases.



Diabetes

Glucose pattern recognition, insulin-response analysis, personalised alerts, adherence insights



Cardiology

Blood-pressure trends, cardiovascular risk signals, multi-parameter analysis



Respiratory

SpO₂ trends, respiratory deterioration signals, symptom correlation



Elderly Care

Mobility, medication, nutrition, hydration, behavioural change detection



Pre-operative

AI-assisted risk screening and preparation



Pregnancy

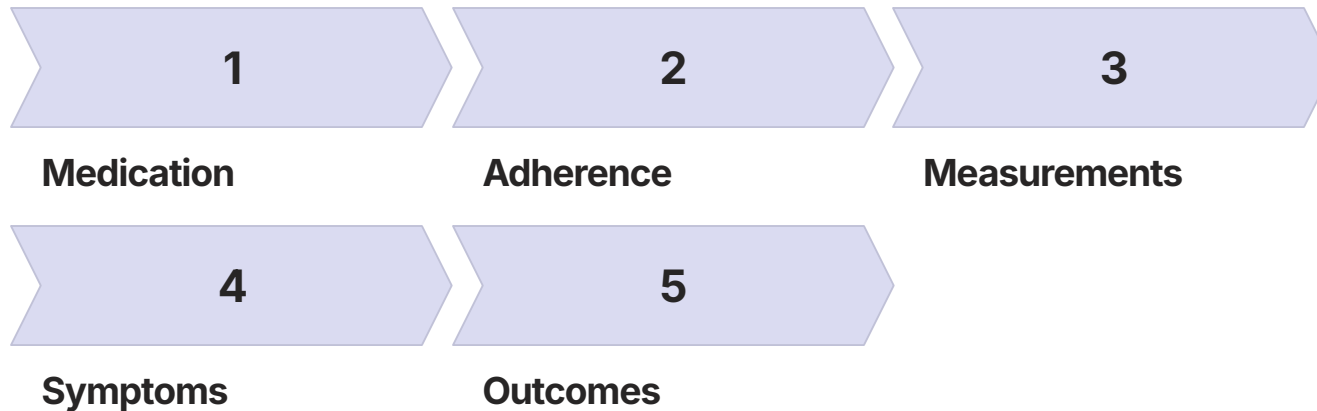
Longitudinal maternal monitoring and personalised alerts

AI-Powered Medication Intelligence

The existing medication functionality can be extended with AI-supported capabilities. The platform can help identify:

- Missed medication events
- Adherence patterns
- Medication-related changes in measurements
- Potential correlations between treatment and outcomes
- Refill requirements
- Relevant changes requiring professional review

The system can generate an understandable medication timeline:



Medication Adherence





HEALTHCARE WITHOUT LANGUAGE BARRIERS

Multilingual AI Healthcare Interface

AI enables a multilingual patient experience across all major European languages.

- Patient communication
- Health explanations
- Measurement instructions
- Reminders
- Questionnaires
- Reports
- Clinical summaries

The same data — presented differently to each role:



One platform. Multiple languages. Multiple user experiences.

NOT ANOTHER CLOSED HEALTHCARE ECOSYSTEM

Interoperability by Design

Connect instead of replace.



EHR / EMR



**Hospital Information
Systems**



Laboratory Systems



Pharmacy Systems



Telehealth Platforms



**National Health
Infrastructure**



Medical Device APIs



Consumer Health Ecosystems

USING MODERN INTEROPERABILITY STANDARDS

FHIR

HL7

REST APIs

OAuth 2.0

Event-driven

The result: a healthcare intelligence layer above the existing technology landscape.



AI DOES NOT REPLACE THE DOCTOR

The AI + Human Care Model

It amplifies the healthcare professional.

AI

- Monitors
- Analyses
- Prioritises
- Summarises
- Predicts
- Automates

Healthcare Professional

- Interprets
- Decides
- Diagnoses
- Treats
- Communicates
- Takes responsibility

This creates a scalable model where clinicians can manage significantly more continuous health data without being overwhelmed by it.





INTELLIGENCE WITHOUT COMPROMISING TRUST

Privacy, Security & Responsible AI

Healthcare AI requires security and governance by design.



Privacy by Design



Data Minimisation



Strong Authentication



Encryption



Role-Based Access



Auditability



Consent Management



Explainable AI Outputs



Human Oversight



Model Monitoring

Patient data remains under controlled, governed access.

MODERN, MODULAR AND SCALABLE ARCHITECTURE

Built for the AI Era

The existing platform is built using modern technologies with a modular architecture and multiple SDK entry points.

EXISTING FOUNDATION

React
React Native
NodeJS
PHP
PostgreSQL
MongoDB

NEXT-GENERATION ADDS

AI / ML Services
LLM Orchestration
Retrieval-Augmented Generation
Vector Search
Real-Time Event Processing
Model Monitoring
API-First Integration
Cloud & Hybrid Deployment
Modular AI Agents
Secure Healthcare Data Layer

AI becomes a platform capability — not a separate application.



UNIVERSAL BY DESIGN

**DEVICE-AGNOSTIC · OS-AGNOSTIC · VENDOR-AGNOSTIC · CLOUD-AGNOSTIC ·
WORKFLOW-AGNOSTIC**

The patient may use any combination of devices — the platform unifies them all.

iPhone + Apple Watch

Android + Garmin

Bluetooth Medical Devices

Multiple Devices & Manufacturers

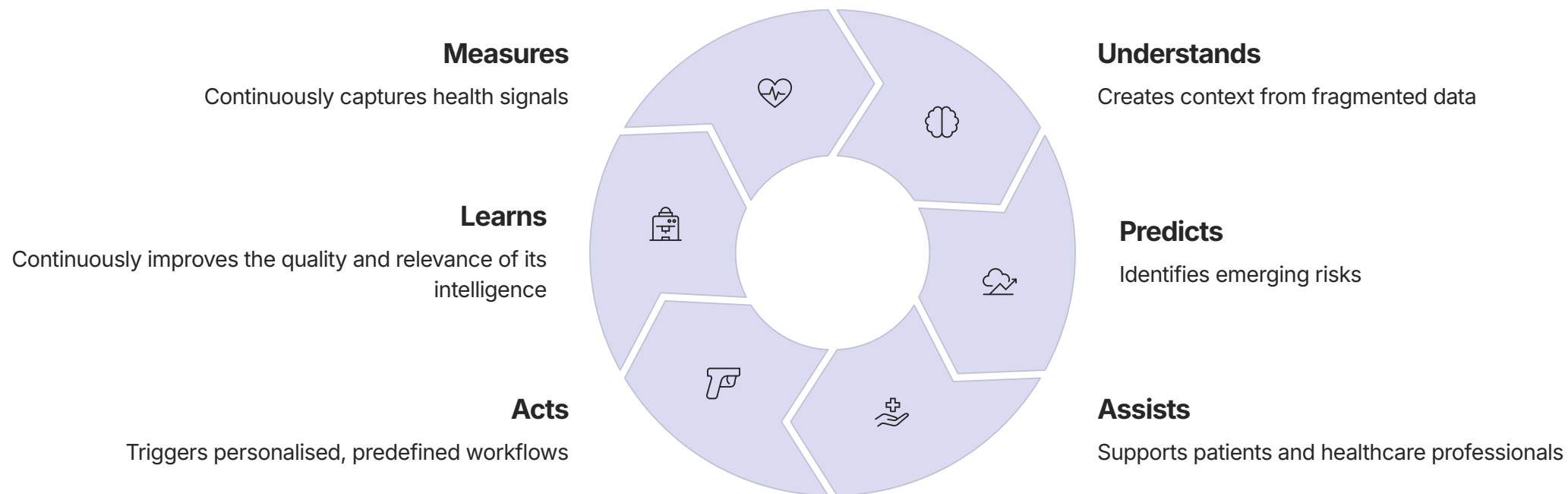
**ONE PATIENT · ONE PROFILE · ONE
DATA MODEL · ONE INTELLIGENT
PLATFORM**

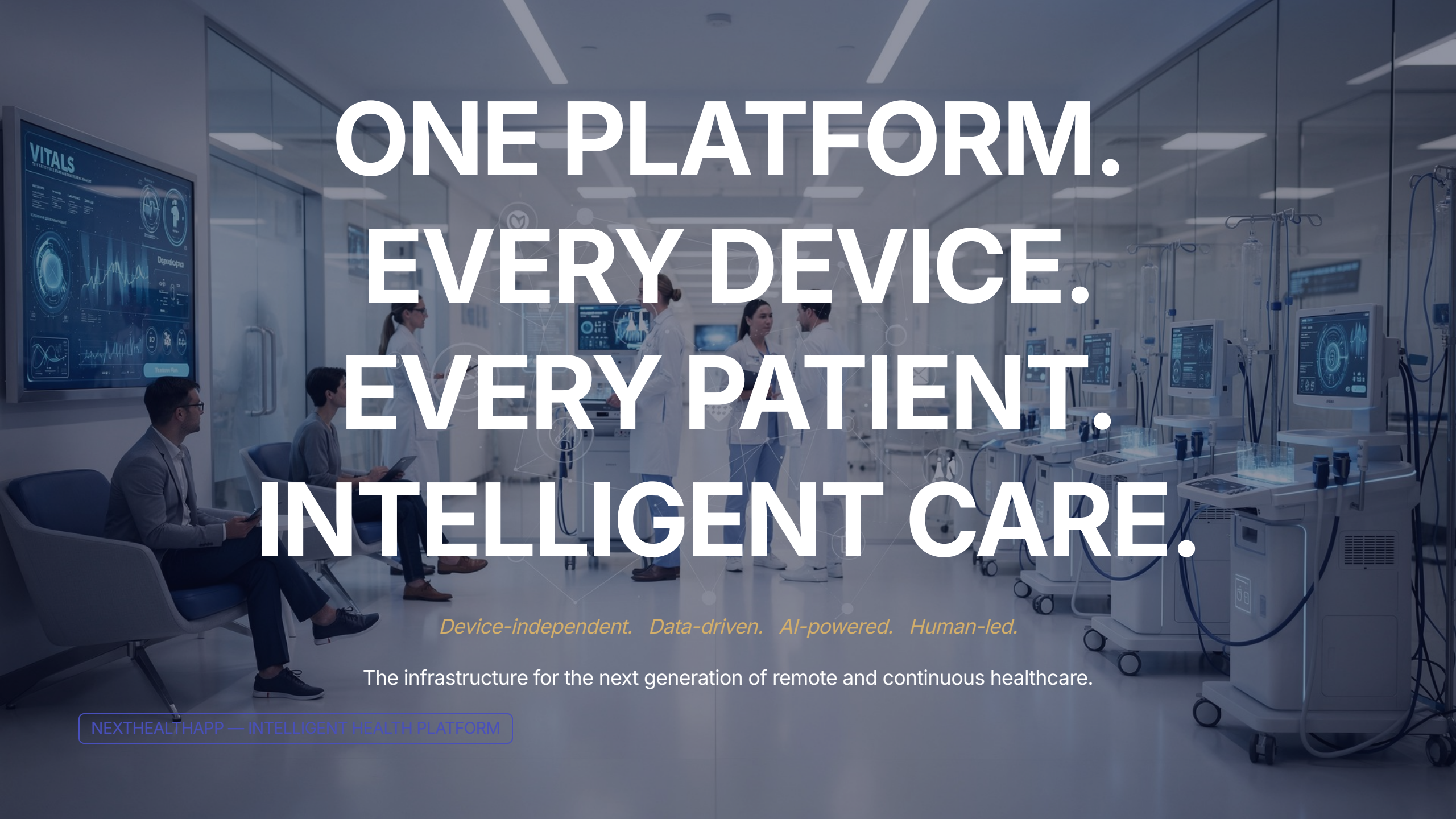


THE VISION

From Telemedicine to Continuous Health Intelligence

The ultimate goal is not another telemedicine application. It is a continuously connected health intelligence platform that:



A modern hospital corridor with medical equipment and staff. The scene is dimly lit with a blue tint. In the foreground, a man in a suit sits in a chair, looking at a tablet. In the background, medical staff in white coats are working near several medical monitors and equipment. A large screen on the left displays 'VITALS' and various health metrics. The overall atmosphere is professional and high-tech.

ONE PLATFORM. EVERY DEVICE. EVERY PATIENT. INTELLIGENT CARE.

Device-independent. Data-driven. AI-powered. Human-led.

The infrastructure for the next generation of remote and continuous healthcare.

NEXTHEALTHAPP — INTELLIGENT HEALTH PLATFORM