



NeuNexus Health Intelligence

Building the Predictive Healthcare
Infrastructure of Tomorrow.

The Uetze Innovation Campus | Lower Saxony, Germany



German Engineering Excellence

Precision foundation for digital health.

Sustainable Infrastructure

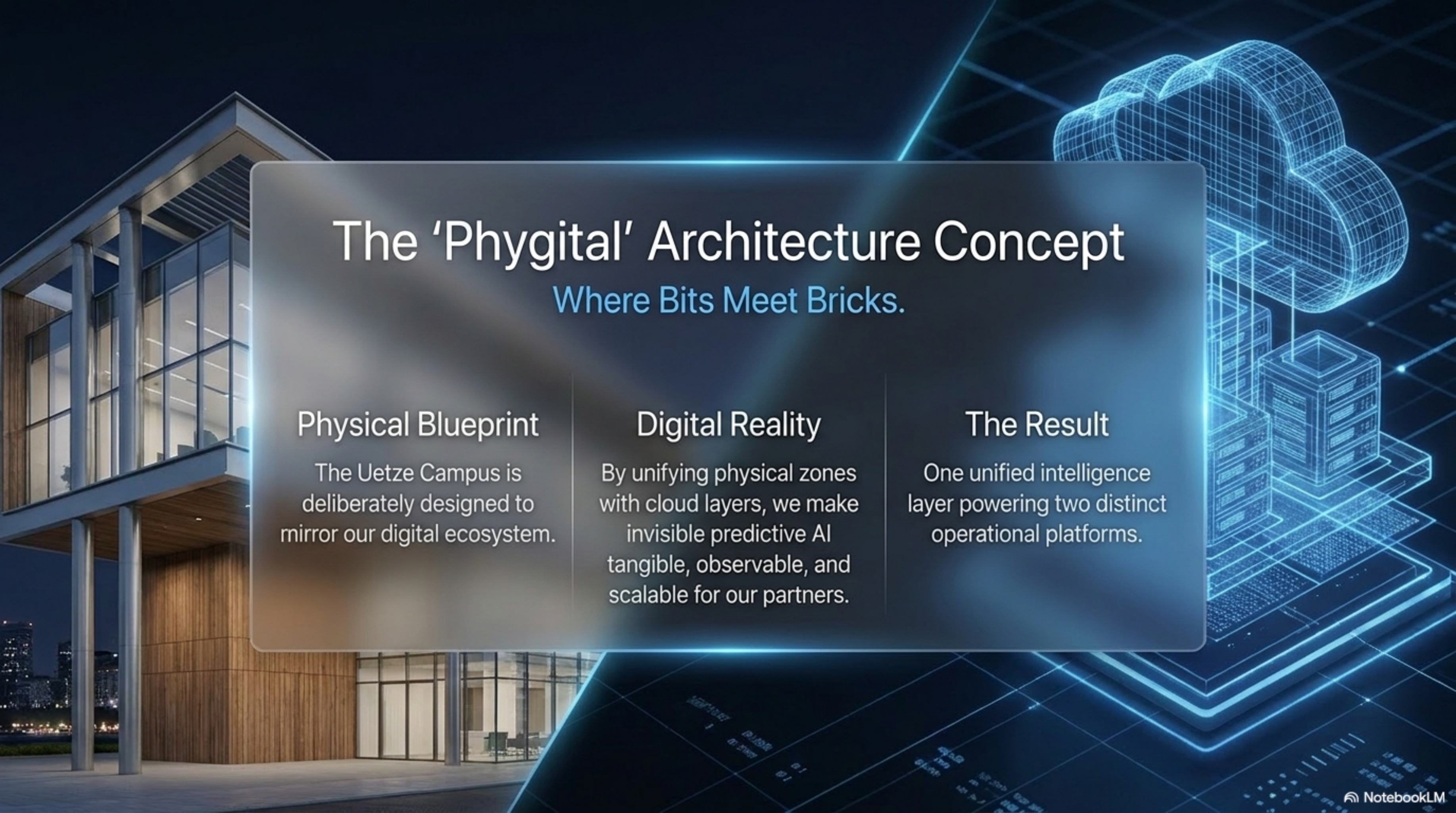
Built for long-term operational resilience.

AI-Powered Healthcare

Epicenter of regional health-tech innovation.

Integrated Ecosystem

Strategically located close to Hannover's medical hubs.

The background of the slide features a modern building with large glass windows and a wooden facade, illuminated at night. Overlaid on the right side is a glowing blue digital graphic consisting of a cloud shape at the top, connected by lines to a series of server racks or data center units below. The entire scene is set against a dark blue background with a subtle grid pattern.

The 'Phygital' Architecture Concept

Where Bits Meet Bricks.

Physical Blueprint

The Uetze Campus is deliberately designed to mirror our digital ecosystem.

Digital Reality

By unifying physical zones with cloud layers, we make invisible predictive AI tangible, observable, and scalable for our partners.

The Result

One unified intelligence layer powering two distinct operational platforms.

The Intelligence Hub

Atrium housing the core predictive AI engine.

Renalix Care Experience

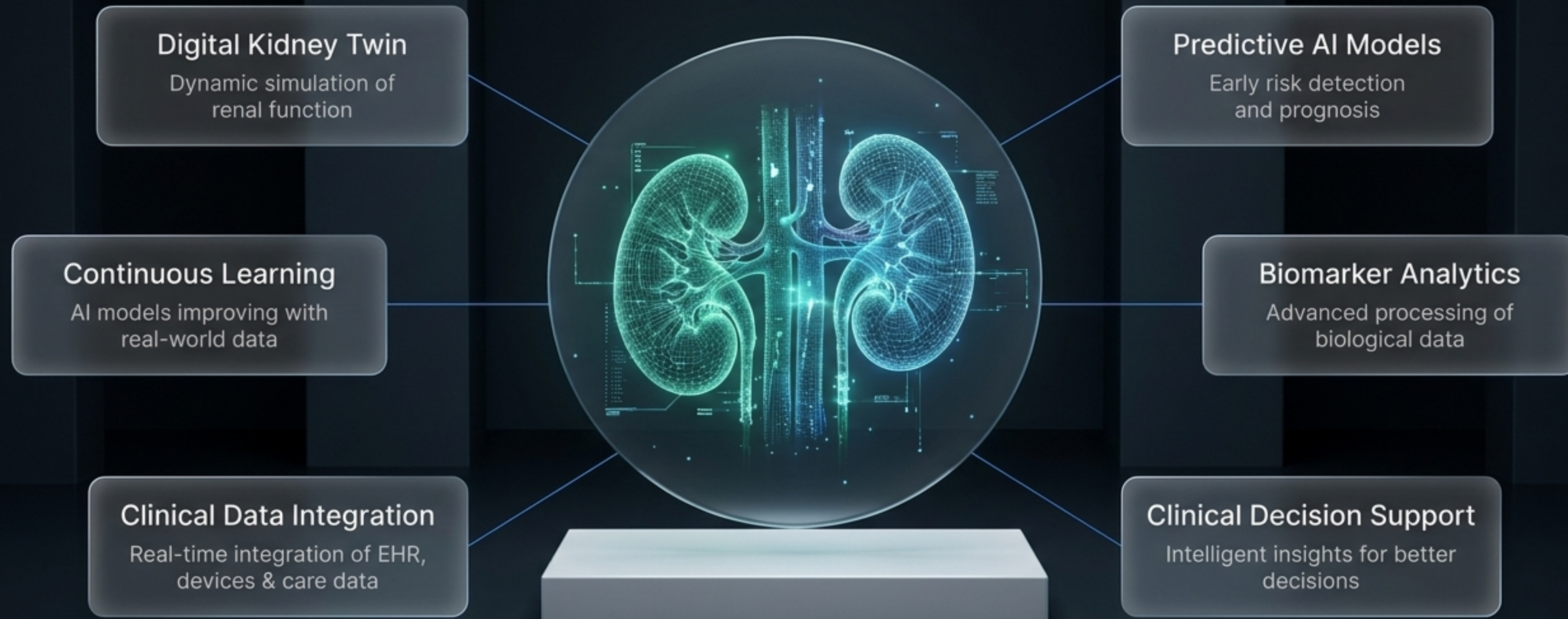
Preventive intelligence for human-centric settings.

Renalix Clinical

Acute intelligence for premium hospital environments.

Welcome to the Intelligence Layer Behind Predictive Renal Care.

NeuNexus AI Core Engine



Campus Zone 1: Renalix Care

Preventive Intelligence for Pflege & Hospices.

- ✓ Hydration Monitoring
- ✓ Weight Tracking
- ✓ Edema Detection
- ✓ Comfort Intelligence
- ✓ Symptom Monitoring
- ✓ AI Risk Alerts

**Human-centric intelligence
designed to intercept risks before
they escalate to acute events.**



Campus Zone 2: Renalix Pro

Clinical Intelligence for Hospitals.

1

Digital
Kidney Twin
Integration

2

Biomarker
Analytics

3

AKI Prediction
(Acute Kidney Injury)

4

Clinical
Decision
Support

5

Precision
Medicine

6

eGFR & Trend
Analysis

THE ECOSYSTEM SYNTHESIS

One Intelligence Layer. Two Platforms.

	RENALIX CARE	RENALIX PRO
ENVIRONMENT	Pflege, Altenheime, Hospices	Premium Hospital Environments
PRIMARY FOCUS	Preventive Intelligence & Comfort	Acute Intelligence & Precision Medicine
KEY DATA INPUTS	Vitals, Weight, Hydration	EHR, Biomarkers, Complex eGFR Trends
PREDICTIVE OUTPUT	AI Risk Alerts	AKI Prediction & Clinical Decision Support

AI Research & Digital Twin Lab

The Engine of Continuous Learning.

Step 1: Ingestion

Processing complex biological data and novel biomarkers.

Step 2: Simulation

Refining the Digital Kidney Twin's dynamic simulation parameters.

Step 3: Deployment

Pushing updated predictive models to the Renalix ecosystem via over-the-air updates.

Medical Innovation Showroom

The Commercial Partnership Hub.

Institutional Partners

Designed for hospitals, Pflege facilities, and medical centers to engage with the technology.

Device Integration

Showcasing premium personal health devices and clinical sensors that act as hardware nodes.

Data Funnel

Every partnered device showcased here natively feeds into the Secure Medical Cloud, expanding our real-world dataset.

Secure Healthcare Infrastructure

The Backbone of Digital Intelligence.

Secure Medical Cloud

High Availability infrastructure designed for mission-critical healthcare operations.

Encrypted Data

End-to-End Security ensuring patient data remains impenetrable in transit and at rest.

Sovereign Hosting

Guaranteed German Security, setting a gold standard for European operations.

Regulatory Armor & Compliance



GDPR / DSGVO

Complete data sovereignty and strict adherence to European privacy laws



FHIR Integration

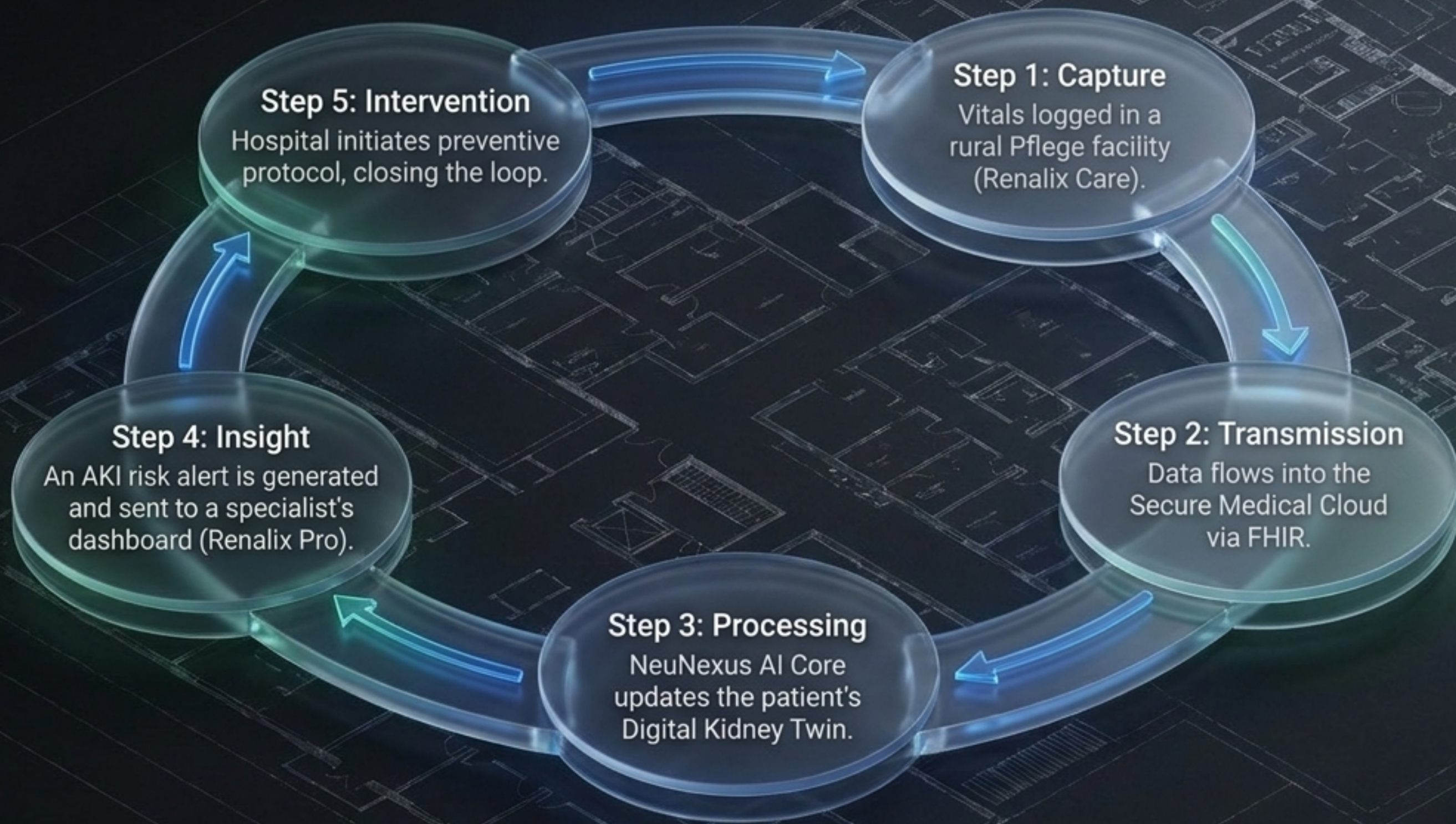
Seamless, standardized interoperability with existing hospital Electronic Health Records (EHR).



EU MDR Ready

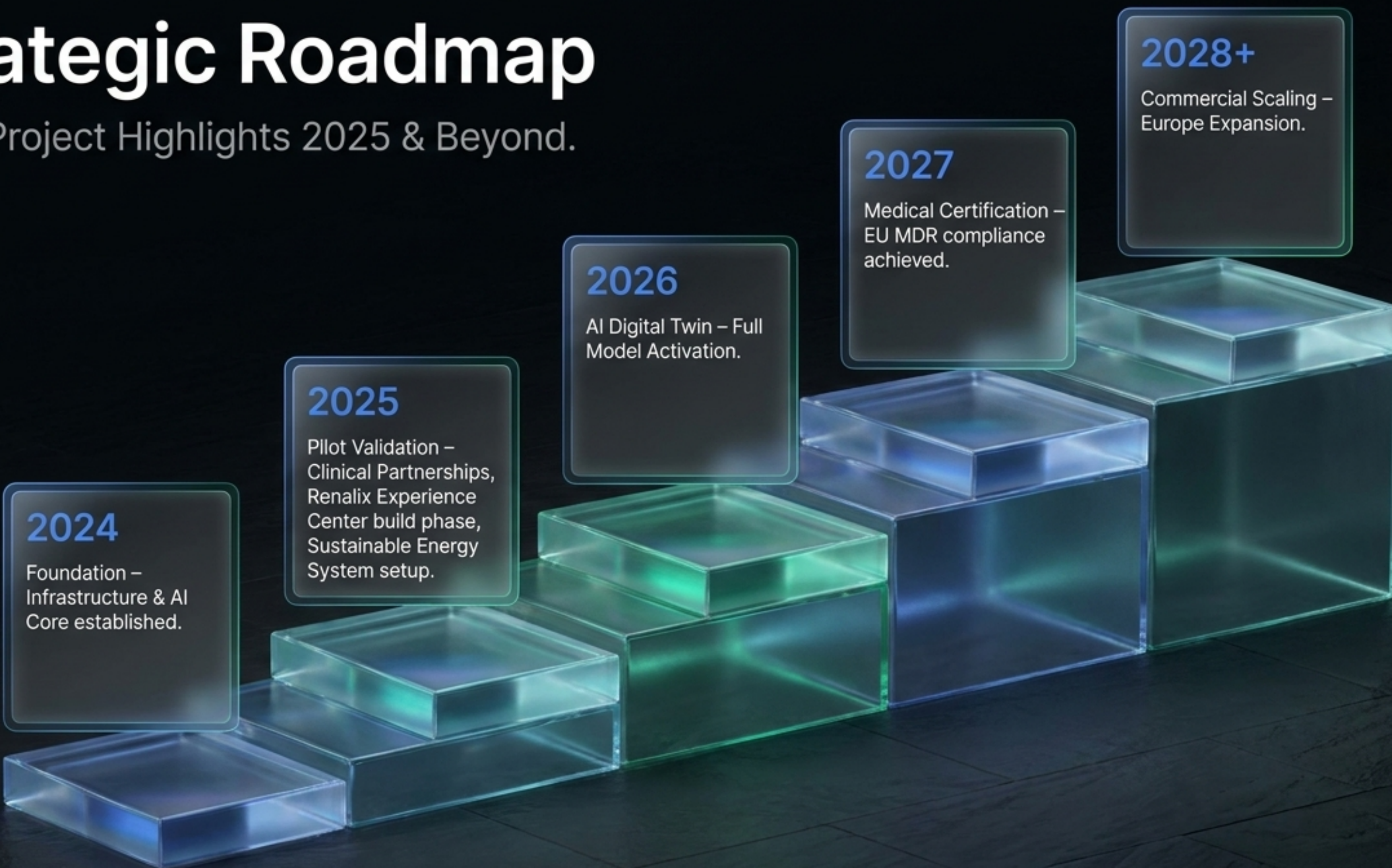
Architected from day one to meet the stringent requirements of the European Medical Device Regulation for software as a medical device

The Predictive Loop in Action



Strategic Roadmap

Uetze Project Highlights 2025 & Beyond.

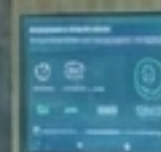




From Digital Intelligence to Everyday Health.

The Uetze Health Innovation Campus is more than a headquarters—it is the foundational infrastructure for predictive renal healthcare across Europe.

Renalix
Uetze
Predictive
Healthcare



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