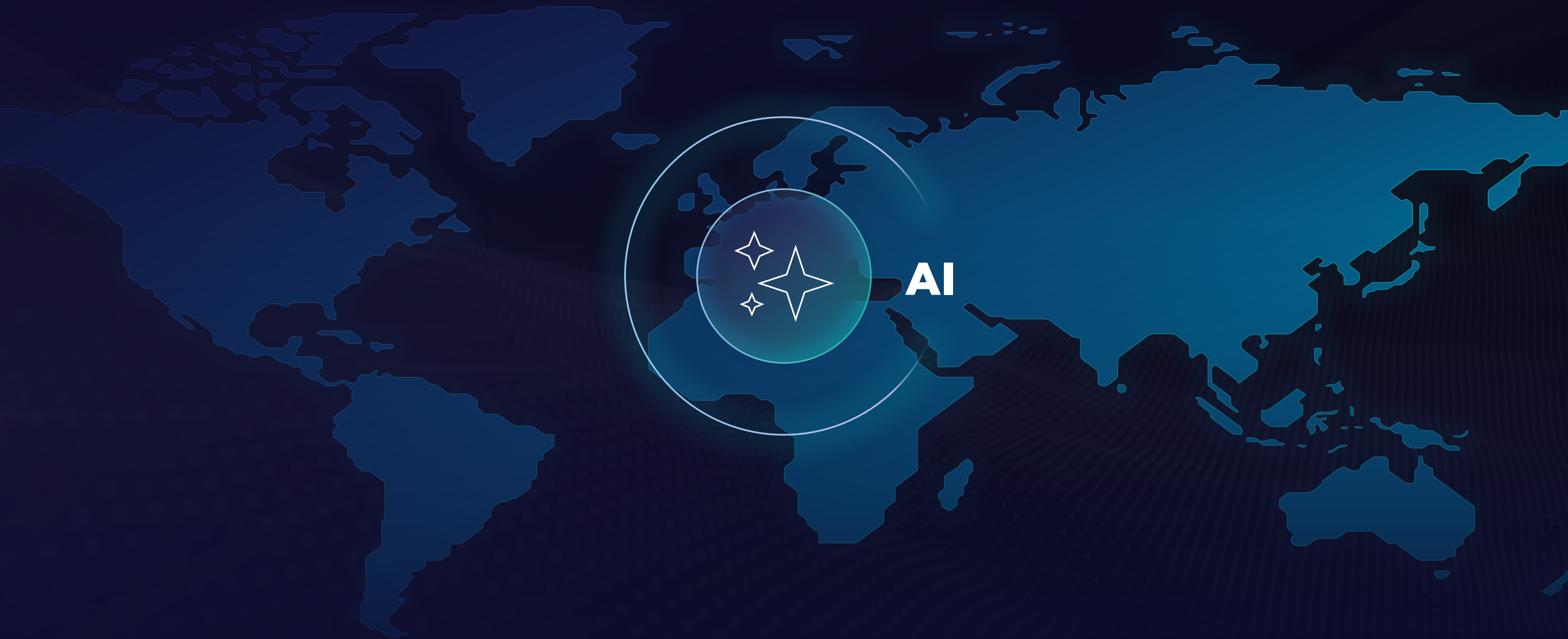


AI in Practice: A World Tour of International AI Projects

Jeff Fried

Director of Platform Strategy & Innovation
InterSystems







Disclaimer

The content within this presentation is **commercially sensitive** and illustrative of the possible capabilities of InterSystems' technology. Any **AI features are subject to applicable regulations, availability** in your region and **InterSystems' terms and conditions**.

Further, any clinical capabilities and features must undergo a complete **clinical safety assessment** before any formal development or deployment takes place.

Some InterSystems Products such as TrakCare and InterSystems IntelliCare are subject to Medical Device Regulations in certain regions. No claims of efficacy or safety made herein. IntelliCare CE marking in EU/UK pending. Availability or use subject to regulatory approval expected May 2026.

For more information, please refer **to InterSystems' commitment to Responsible AI** [[here](#)] or [contact us](#).



AI in Practice: South America



AXS
ENERGIA

**Grupo
Sabin**

 **REDSALUD**
SOMOS CChC



61
solar plants

AXS Energia processes information from a variety of sources, including IoT sensors, weather stations, distributors, and even NASA data on solar irradiation.

Data Fabric with Vector Search Initiative

92%

forecast accuracy
for revenue

38%

reduction in operating
costs per megawatt

22%

improvement in
customer retention

Prediction is Power.



"We're not just building technology — we're reshaping how energy is experienced. We're turning the product into a **data experience — redefining how insights are accessed and used across AXS."**

Cezar Augustus Essenfelder De Azevedo
CTO, AXS Energia

#sophistication

#simplicity

#energytech





25%

lower service time
per appointment

The **sabIAna Initiative**:
Sabin's AI-Driven Vector Search for
Customer Satisfaction in Medical Queries



2,500+

Accurate, quick answers to daily
queries from non-medical staff





AI-Driven Auditing for Enhanced Patient Care and Cost Efficiency



Manual
6 weeks



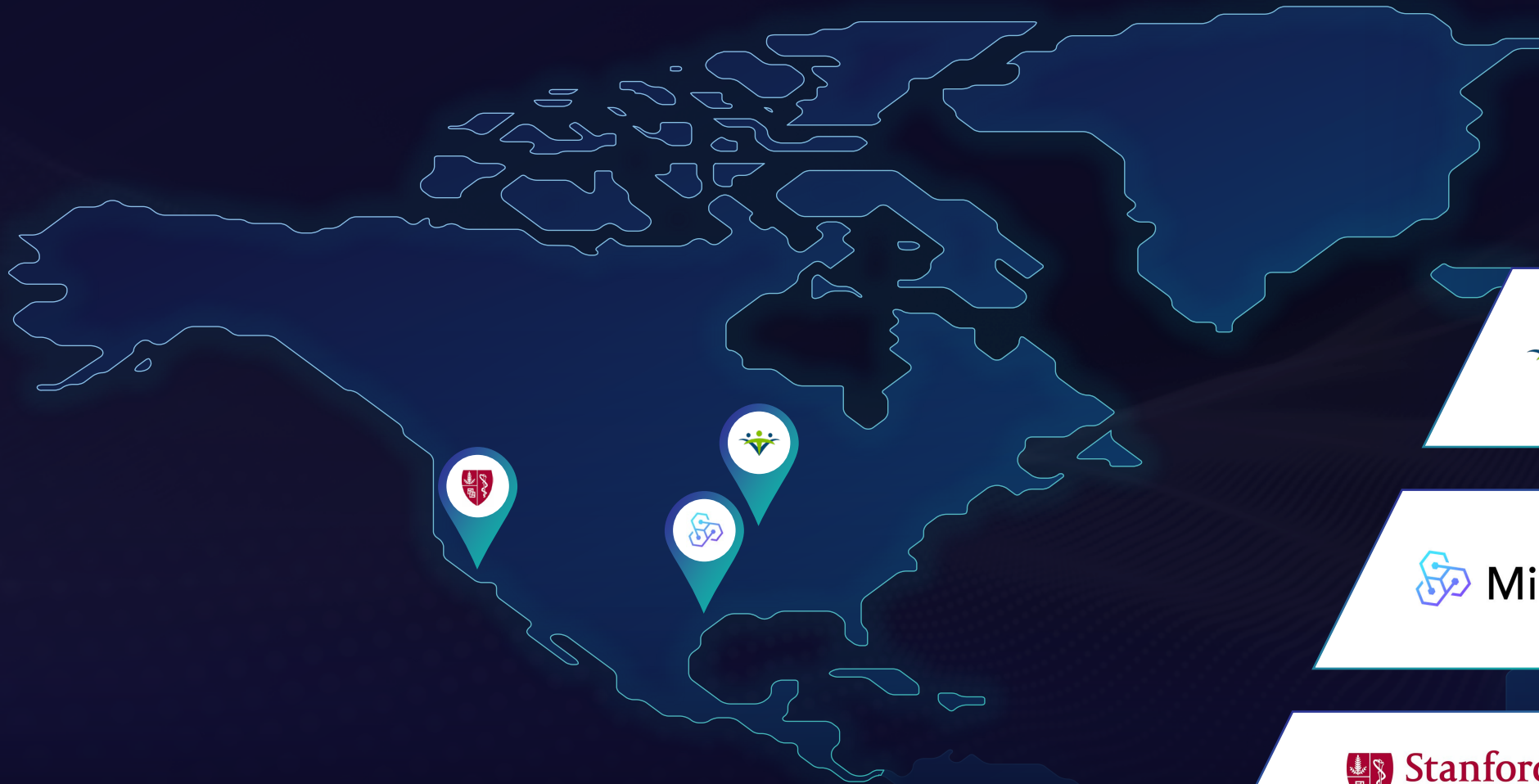
AI Assisted
8 days

80%
Faster
More accurate
More efficient

x800
EHRs



AI in Practice: North America



 **Netsmart**

 **MindWalk™**

 **Stanford**
MEDICINE
Health Care



Leading provider of software and technology solutions for Community-based healthcare.



754,000+
Providers



143M+
Lives Impacted



2,500+
Associates



Bells AI

67%

Less time spent on Documentation

99.9%

Success rate in Meeting Required Quality Standards

Mindwalk.AI:

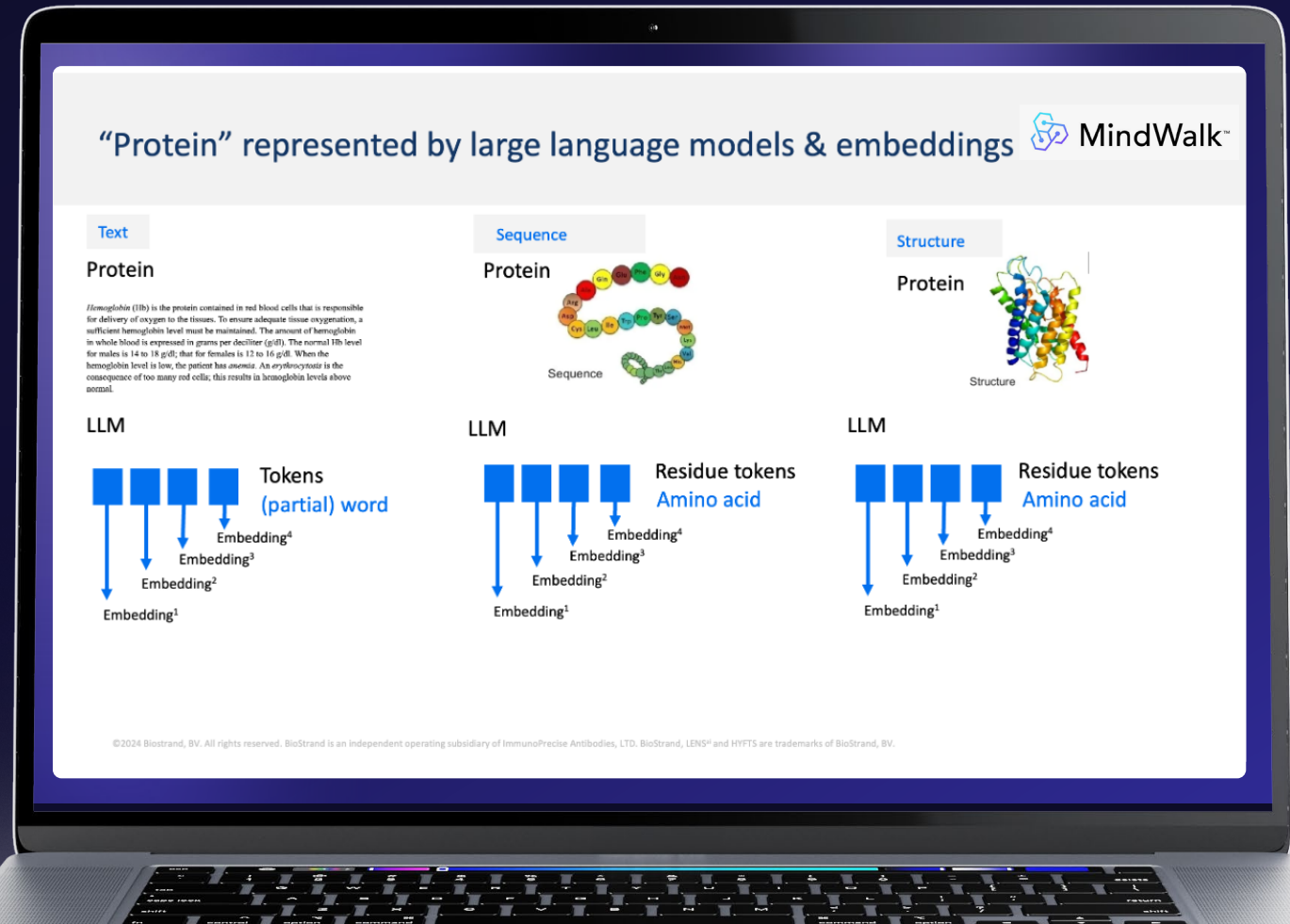
Multi-modal RAG for drug discovery

InterSystems IRIS Vector Search



“Drug discovery doesn’t just need more data – it needs better data, connected at scale.”

Dirk Van Hyfte, MD, Ph.D
CTO, Mindwalk.AI



How AI Is Being Used At **Stanford Health Care**



Stanford
MEDICINE

Technology &
Digital Solutions

01

Enhancing
Doctor-Patient
Relationship



02

Predicting
and Diagnosing
Diseases Precisely



03

Accelerating
Medial Research



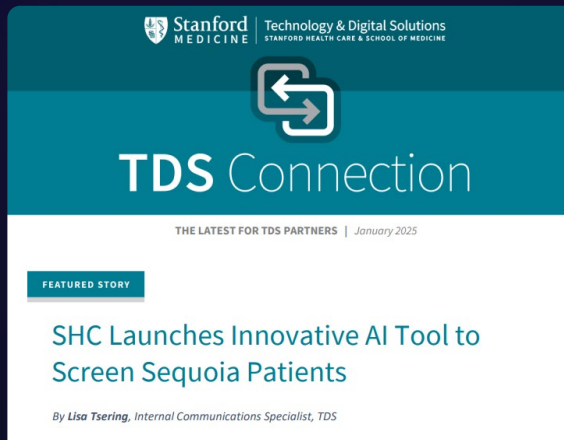
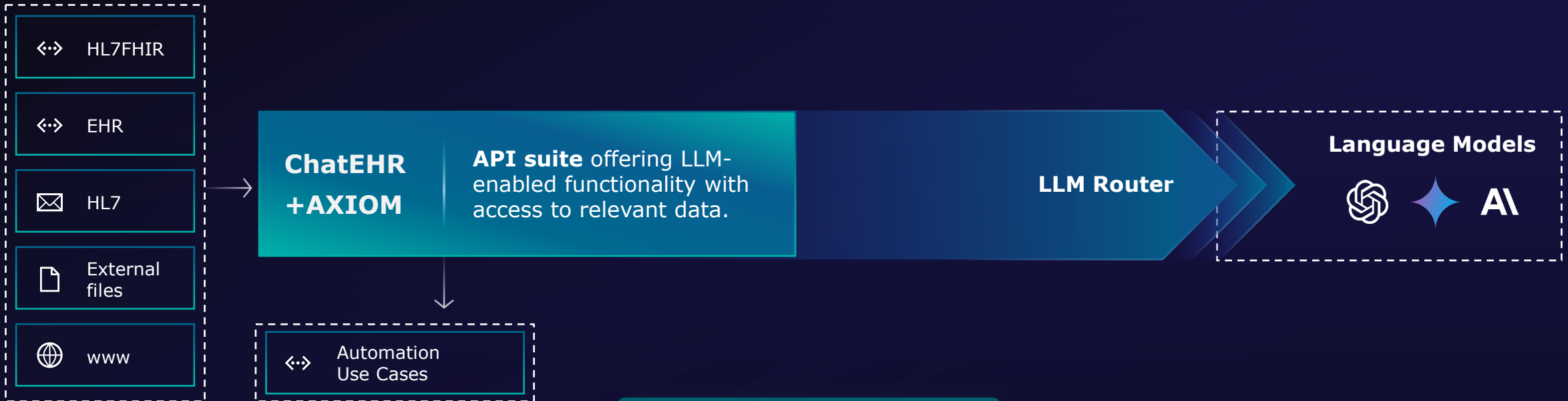
ChatEHR+AXIOM: Platform, UI & Automations



Stanford
MEDICINE

Technology &
Digital Solutions

Data Sources



AXIOM – Data Journey



Stanford
MEDICINE

Technology &
Digital Solutions

Trigger Events:

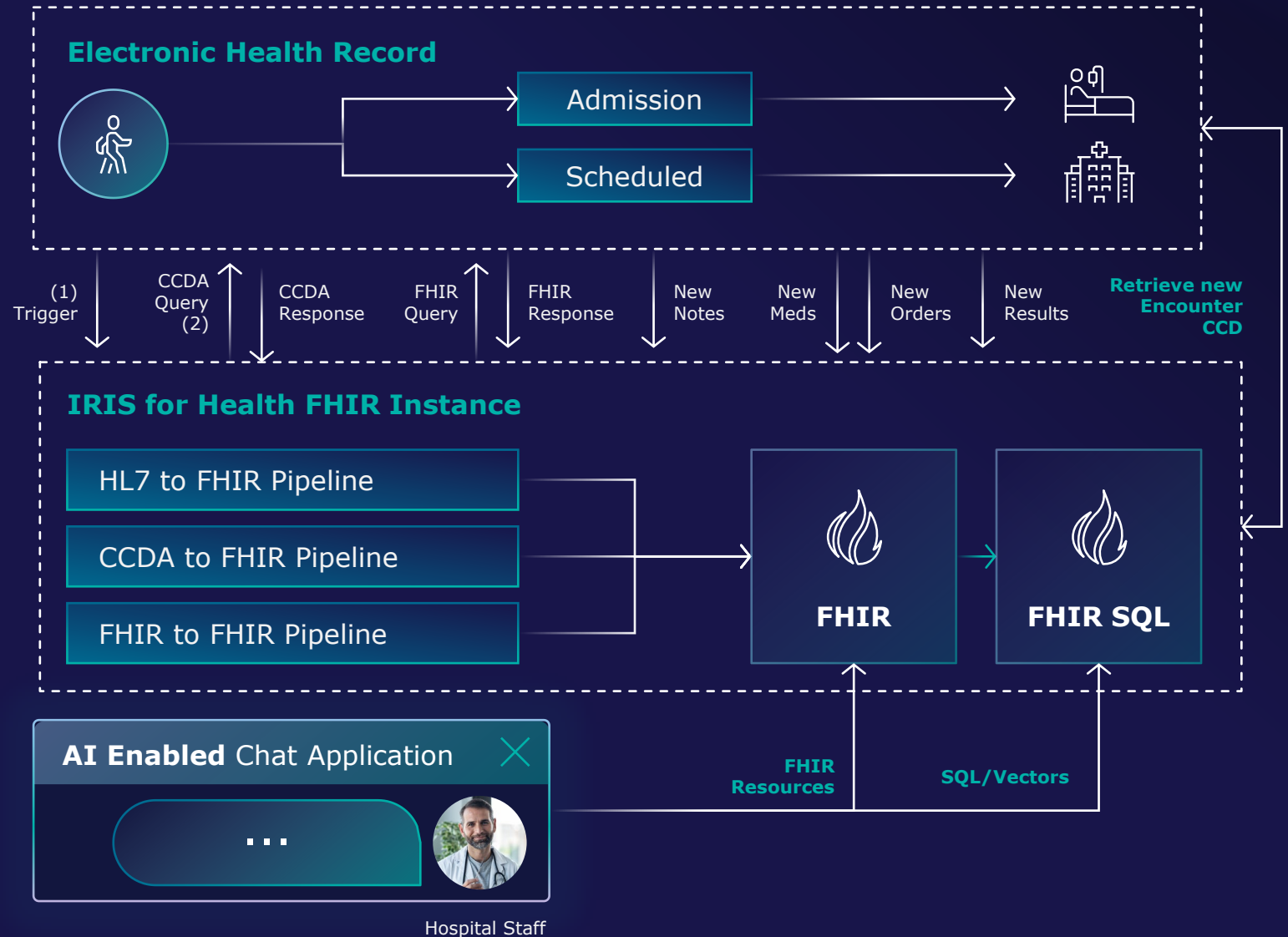
- Hospital Admission
- Scheduled Appointment
- ED Check-in
- User initiated trigger

Loading Historical Clinical Data:

- Retrieve Encounter CCD documents via FHIR Document Reference
- Data Transformation Path: CCD → SDA → FHIR

Real-time Encounter Updates:

- Continuously listens for real-time HL7 v2 messages
- Data Transformation Path: HL7 v2 → SDA → FHIR



AXIOM Approach Led To Queries That Were 8x Faster (On Average)

“AI in healthcare isn't about replacing humans—it's about removing the barriers that prevent humans from practicing at the top of their capabilities.

Data access is the first and most critical barrier.”

Nigam Shah,
MBBS, PhD

Performance Comparison:
Traditional vs AXIOM



Metric	Traditional	AXIOM	Improvement
Average Query Time	15.4 seconds	1.9 seconds	8.1x faster
Maximum Query Time	138.4 seconds	6.4 seconds	21.6x faster
Data Processing Efficiency	Baseline	87% reduction	7.7x more efficient



AI in Practice: APAC



 **PALTAC**

 **SPEEDMINER**


We Care with Passion



99.999%

accuracy rate maintained whilst
doubling our productivity



**Super Productivity Advanced
Innovative Distribution (SPAID)**

"By integrating AI and robotics, we have effectively addressed the labor shortage and set a new standard in logistics efficiency."



Speedminer Query with AI Converts Natural Language to SQL



5 hours

Saved Per report

x50

Reports/month

MORE THAN BI. MORE THAN AI. IT'S ACTIVE INTELLIGENCE.

A unified platform where dashboards, predictive models, and data integration work together.



BUSINESS INTELLIGENCE

Interactive dashboards, governed KPIs, data stories.



ARTIFICIAL INTELLIGENCE

Forecasts, anomaly detection, NLQ, explainability.



INTEGRATION PLATFORM

ETL, APIs, lakehouse connectors, lineage & quality.



Pulomas

Tangerang

Sentul



We Care with Passion

Alam Sutera

Cikarang

Pekayon



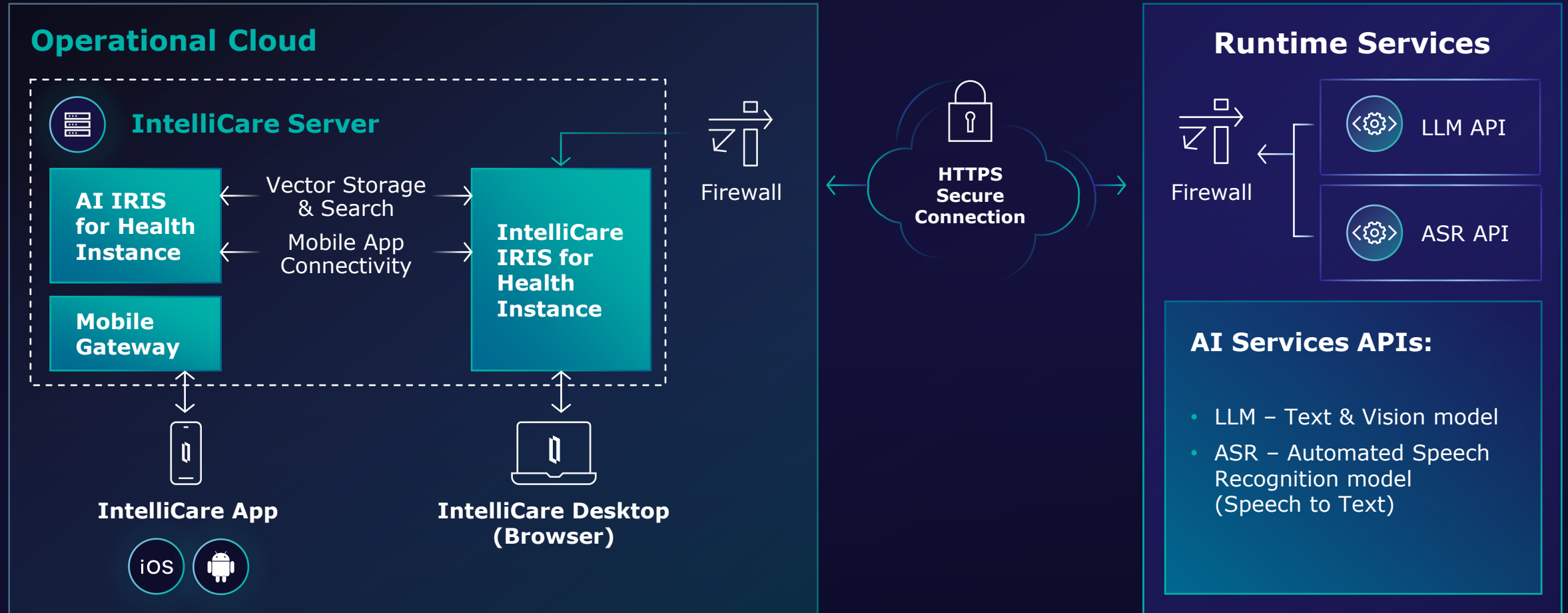
Jusup Halimi

President Director
of EMC Healthcare

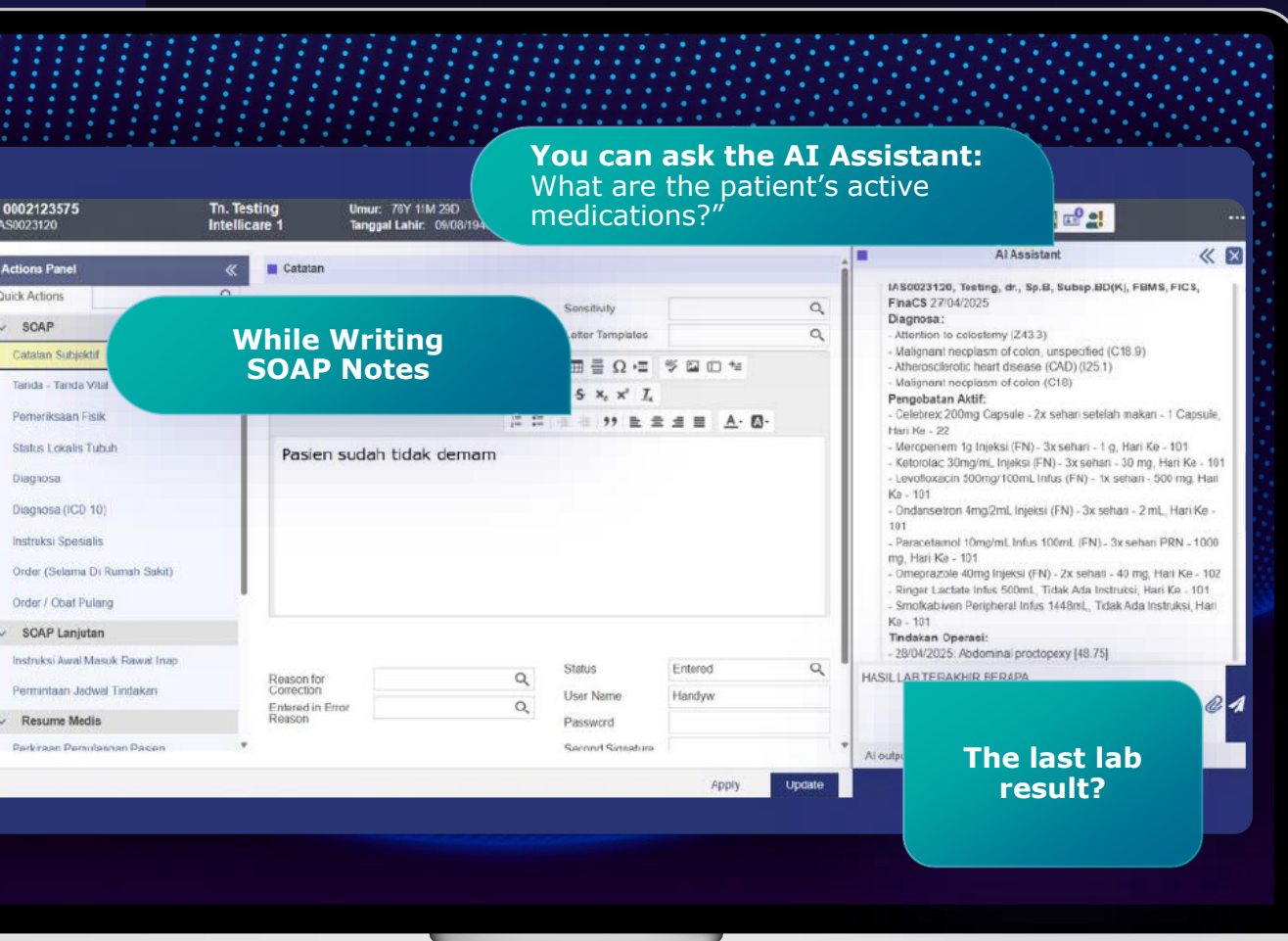
**"AI is a seismic shift in
healthcare technology."**

With the company's advanced AI
functionality and decades of proven
reliability, **InterSystems
IntelliCare** was the obvious choice
to provide our hospitals with the
most advanced solution available"

InterSystems IntelliCare Architecture



The Clinician Experience drove a rapid rollout



“InterSystems IntelliCare AI enhances the patient experience by allowing doctors to stay fully engaged with the patient, to have better communication and improve trust.

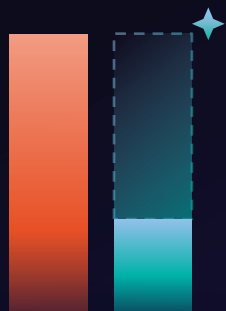
AI can shift documentation from being a burden to a seamless support system, allowing doctor to focus on what matters most - patient care.”

Dr. Bella Desra Andae

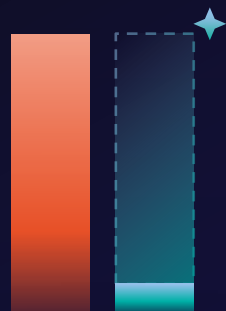
Head of Medical Informatics,
EMC Healthcare

InterSystems IntelliCare

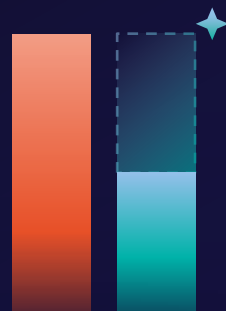
A next generation EHR with Built-in AI



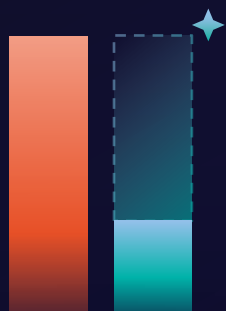
Nurse
Shift
Handovers



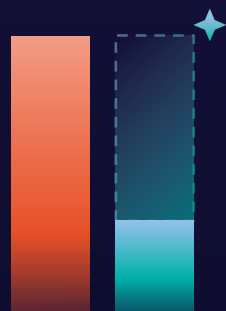
Physician
Patient Information
Retrieval & Documentation



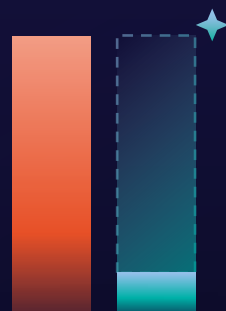
Physician
Outpatient



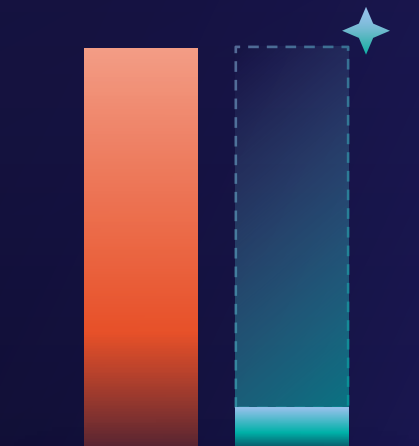
Clinical Team
Ambient Resuscitation
CPR Documentation



Patient
Personalized
Education



Administrators
Automated
Coding



**Your own
use cases**



AI in Practice: Europe



NHS
Greater Glasgow
and Clyde

Innocens.

 **agimero**
Digitalisierung mit Methode



92%

accuracy predicting no-shows

NHS GGC Optimizes Healthcare Resources and Reduces Inefficiency with Patient Flow AI Prediction

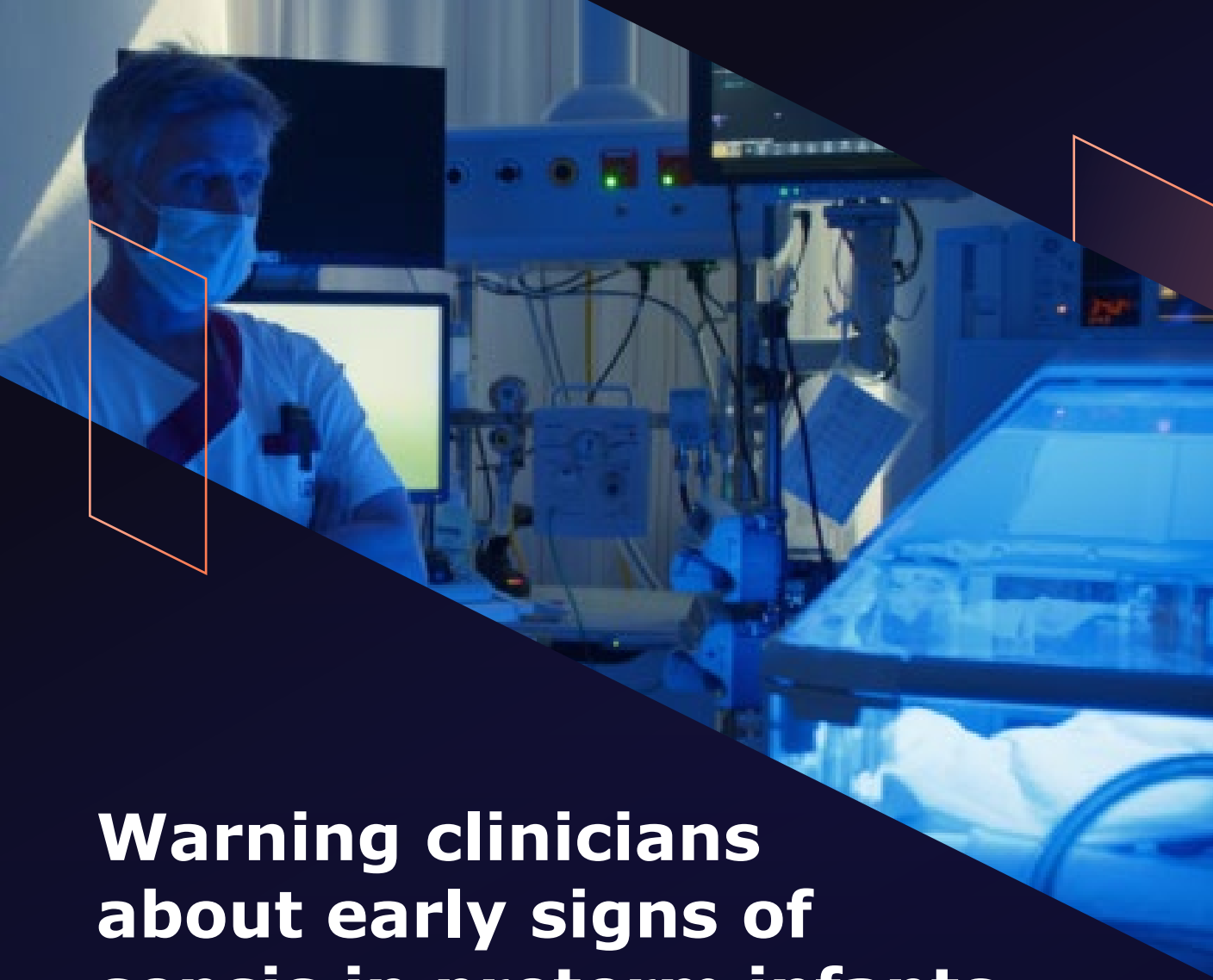
Aim:

10%

reduction in
no-shows

2,600+

possible new
appointments



**Warning clinicians
about early signs of
sepsis in preterm infants
using **trustworthy AI****

Start-up example

Innocens.

49 Million

People worldwide
are affected by sepsis

>\$38 Billion

Annual costs in the USA

19.7%

Of All Global Deaths

Sepsis is difficult
to detect **on time.**

First signs are **subtle**

Hard to detect
by experienced staff

Hierarchy
Decision making

Variable
Staffing size

Innocens.



An externally validated Sepsis ML Model

Innocens.



81%

of severe sepsis cases



2-11hr

faster golden standard



<1

warning per patient per week

THE JOURNAL OF PEDIATRICS • www.jpeds.com



ORIGINAL
ARTICLES

Clinical Decision Support for Improved Neonatal Care: The Development of a Machine Learning Model for the Prediction of Late-onset Sepsis and Necrotizing Enterocolitis

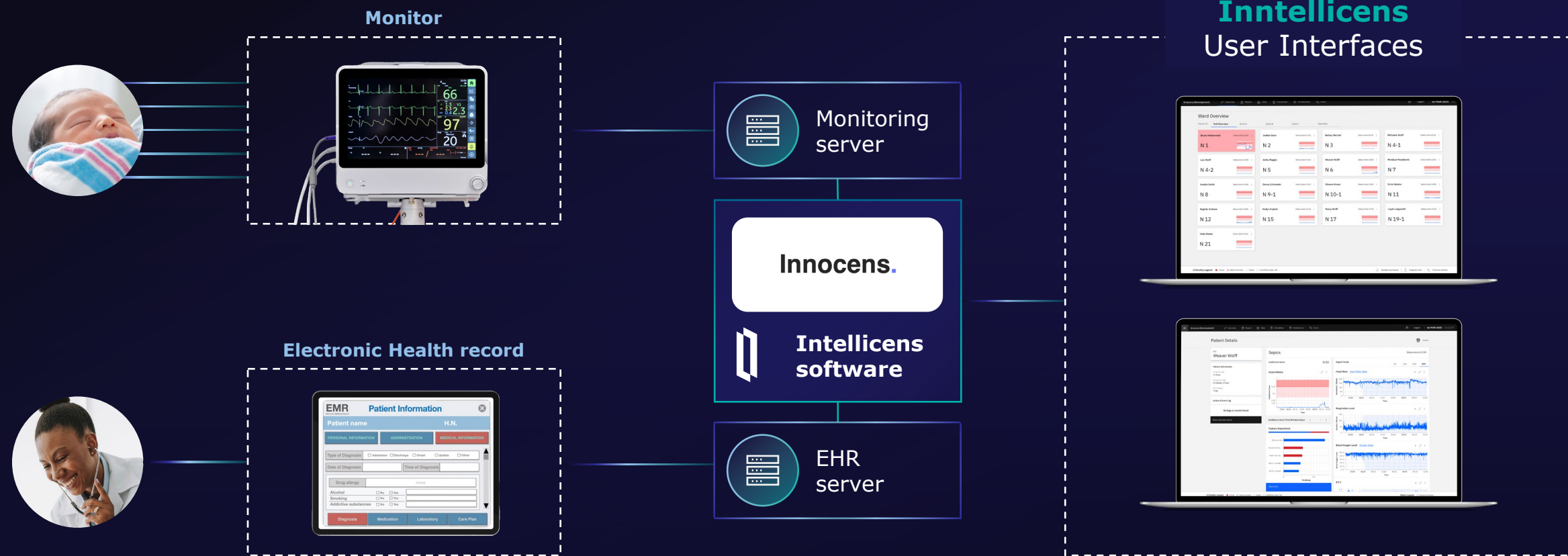
UZA

ErasmusMC
Universitair Medisch Centrum Rotterdam
Erasmus

IBM

Intellicens: AI/data platform that integrates in an existing infrastructure

Innocens.

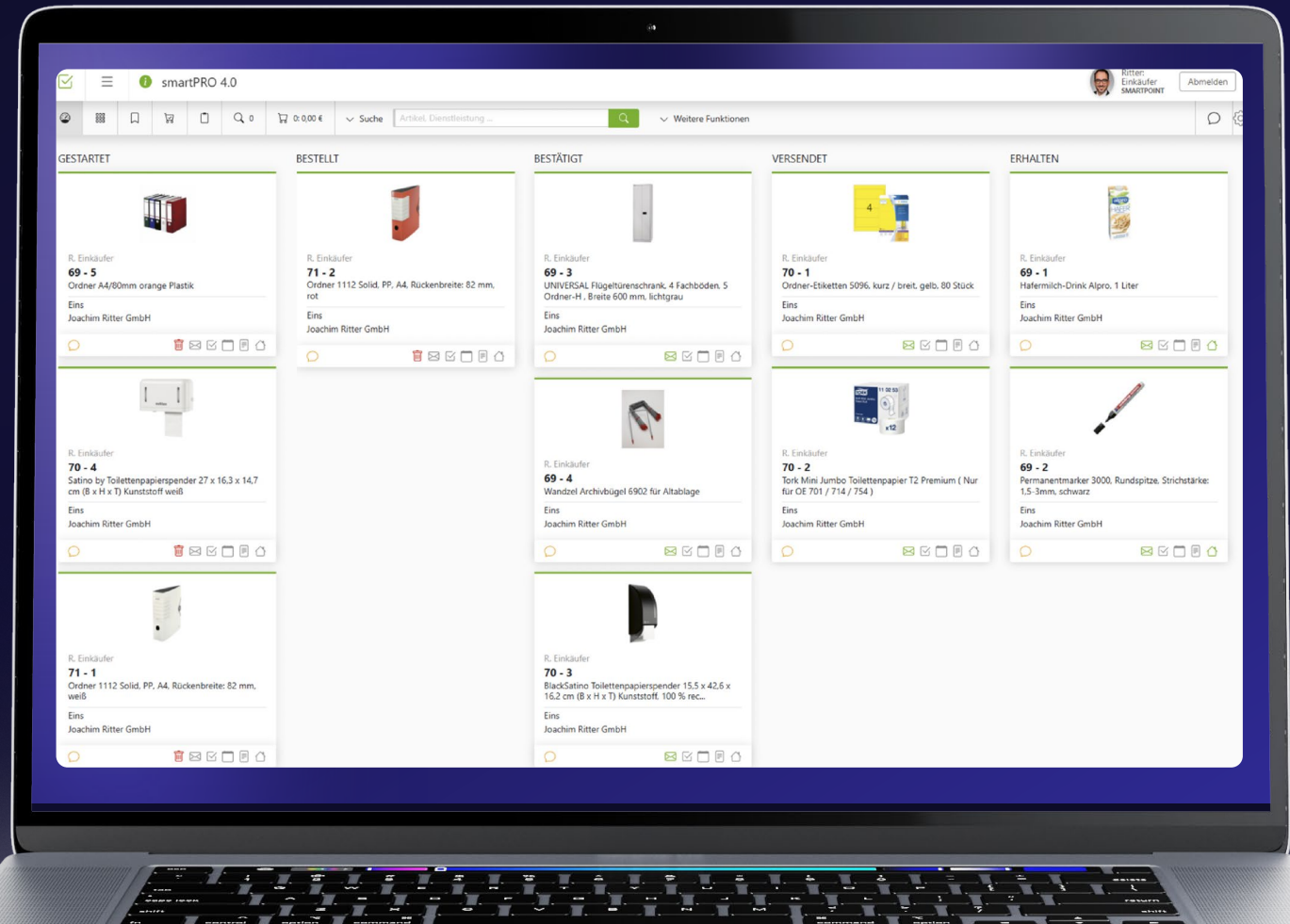
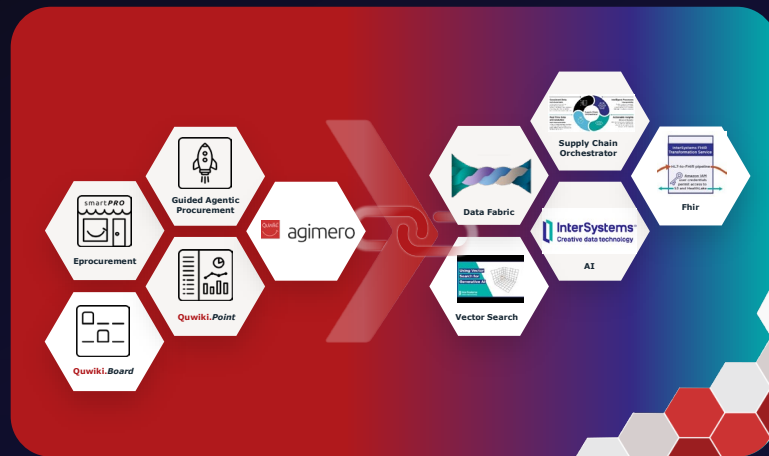


Currently implemented & operational in **2 hospitals** in Belgium

AGIMERO – Guided Agentic Procurement



Our Toolkit







Search

FORTUNE

Subscribe Now

Sign In

Home

News

Fortune 500

Tech

Finance

Leadership


Lifestyle

Rankings

Multimedia

NEWSLETTERS · CFO DAILY

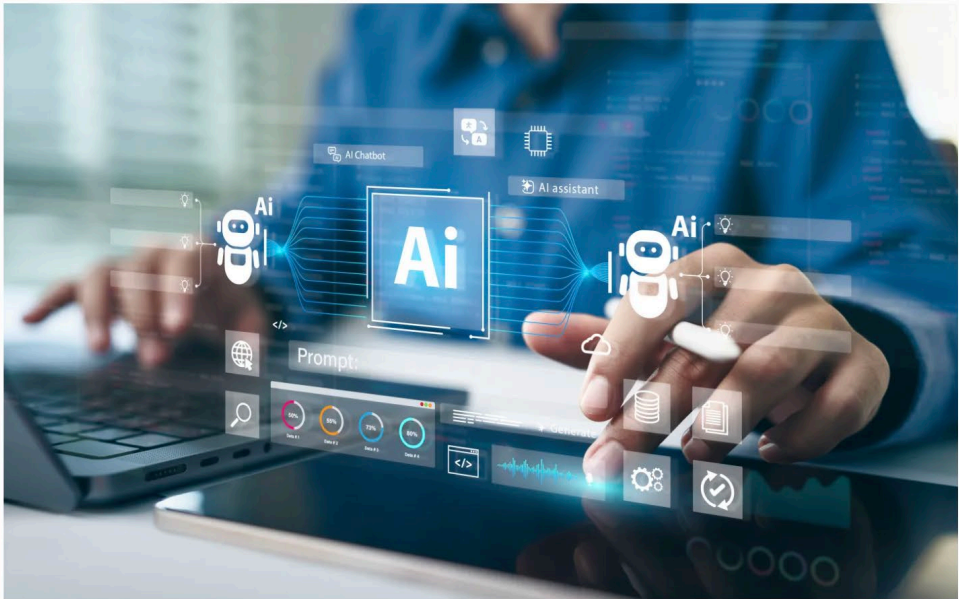
MIT report: 95% of generative AI pilots at companies are failing



BY SHERYL ESTRADA

SENIOR WRITER AND AUTHOR OF CFO DAILY

August 18, 2025 at 6:54 AM EDT



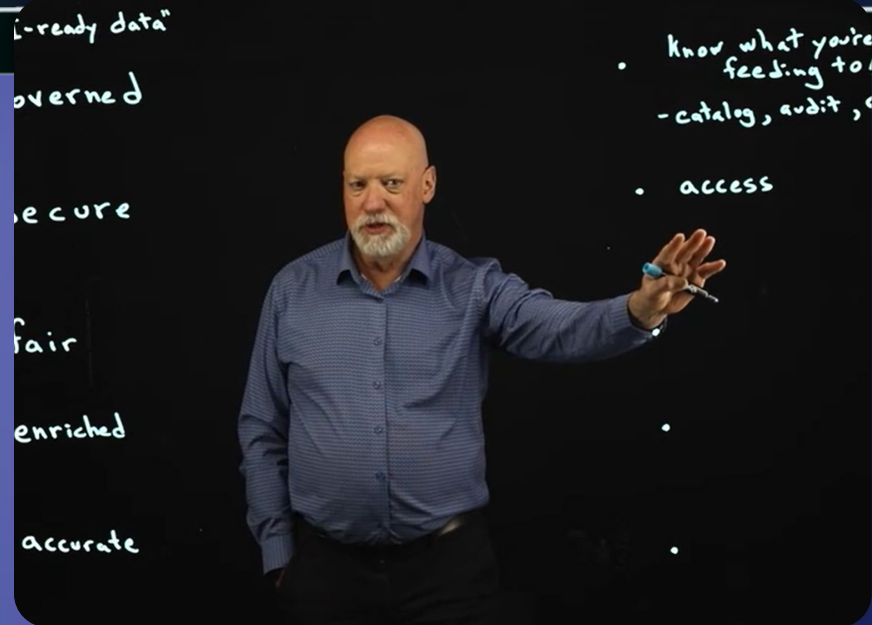
GETTY IMAGES

AI Skills

AI-ready Data

Security & Compliance

AI-ready Data



Products

Solutions

AI Success Starts Where Most Teams Fail: The Data

According to Gartner®, "while most organizations are ready to adopt AI, their data is most likely not available in the right shape, format and quality to support the required AI use case."

Gartner Research Authors, Ehtisham Zaidi and Roxane Edjlali have put together a report outlining how to successfully achieve AI centering on your data.



Thank You

Jeff Fried

Director – Platform Strategy & Innovation

Jeff.Fried@InterSystems.com
<https://www.linkedin.com/in/jefried/>