



TechnoLynx

Engineering Intelligence for Life Sciences

*We help teams move faster without
compromising compliance or trust.*

Contact:

info@technolynx.com

www.technolynx.com



Proven R&D Pedigree

Founded in 2019 by Balázs Keszthelyi, **ex-Broadcom** GPU engineer (VideoCore for Raspberry Pi), and former Head of R&D at **V-Nova** (collaborated with NVIDIA on SMPTE VC-6 codec). Co-inventor of **10+ patents** and contributor to **2 standards**.



Cross-Industry AI Success

Track record of delivering **AI, computer vision, and GPU optimisation** projects in med-tech, security, and telecom. (E.g., launched a dental AI product, built surveillance analytics, sped up telecom simulations.)



Why Life Sciences

We're **new to pharma/biotech but hungry to help**. Aim to apply our advanced tech know-how to solve life sciences challenges — in partnership with your experts. Committed to a **“learn & co-create”** approach to ensure solutions fit industry needs and compliance.

Solution Ideas



1. Aseptic Operations & Contamination Prevention

AI vision and automated monitoring support sterile production. These capabilities help prevent human error, ensure Annex 1 compliance, and protect against costly batch loss.

2. R&D Acceleration with HPC and AI

GPU-accelerated modelling and advanced analytics shorten drug discovery cycles and speed up in silico experiments.

3. Manufacturing Optimisation & Reliability

Machine learning drives process control, predictive maintenance, and yield optimisation. Organisations achieve higher throughput, minimise downtime, and reduce costs.

4. Digital Twins for Process Design and Control

Virtual modelling enables teams to optimise production systems, reduce risk during scale-up, and accelerate technology transfer.

5. Visual Quality Control and Packaging Assurance

AI-powered inspection provides complete coverage for products and labels, eliminating defects and recalls.

6. Data Mining for Product Innovation

Advanced analytics uncover insights from large datasets, guiding formulation choices and driving product innovation.



High-Performance Computing and Simulation Acceleration

GPU computing dramatically reduces simulation times and increases model fidelity for computational scientists and engineers.



Machine Learning and AI for Optimisation and Analytics

Machine learning models optimise yields, predict maintenance needs, and support multivariate analysis for real-time manufacturing improvements.



AI Computer Vision and Imaging Automation

Deep learning computer vision automates inspection, mistake-proofing, and operator behaviour monitoring.

How We Engage - Custom Software R&D



Feasibility & Method Selection

Clarify goals, risks, and regulatory constraints to define a sharp problem statement.



Proof-of-Concept to Scale

Validate impact with a working PoC, then harden for production and site rollout.



Understand the Need

Clarify goals, risks, and regulatory constraints to define a sharp problem statement.



Scope & Validation Plan

Set success criteria and delivery plan aligned with quality systems and change control.

Team



Led by Industry Veterans

Our CEO, **Balázs**, has ~20 years in advanced R&D (Broadcom, V-Nova) and is an expert at driving innovation. We foster a culture of **engineering excellence and quality** (10+ patents originated under our projects).



Bio + AI Savvy Team

We have **PhD-level talent** blending tech and life sciences. (For example, our PM Hanadi Solieman is a PhD candidate in medical AI, and an R&D engineer, Bence Gaizer, has an MSc in Biomedical Engineering.) This means we “get” the science and the AI. We can interface with your biologists and speak their language while bringing new tech ideas.

Client Testimonials



Founded in
2019

Built by engineers and researchers passionate about Visual Computing!

95%+

Client Satisfaction Rate

Every client we've worked with has stayed satisfied and most of them return for more.

20+

Successful Projects Delivered

Demonstrating our commitment to quality and reliability.

Trusted By

KINEON



You can check more testimonials [here](#)



TechnoLynx

Let's Collaborate

*Ask for a tailored demo mapped
to your SOPs and validation approach.*

Request a tailored demo or pilot discussion:

www.technolynx.com

+36 30 643 0246

info@technolynx.com