Logiicdev's KiiGen™ – Give Your Machinery a New Birth

AI-Powered Modernization towards Industry 5.0 and Robotics

In today's fast-moving industrial world, staying competitive means staying smart. **Logiicdev's KiiGen™ platform** brings a powerful new approach to factory modernisation—**upgrading your existing machinery with advanced artificial intelligence, without replacing a single asset.**

Inspired by the *Japanese meaning of its name** —**"to give new birth"**—KiiGen breathes new life into legacy equipment, transforming it into intelligent, connected, Industry 4.0-ready systems.

Why KiiGen? Modern Performance. Zero Replacement Costs.

KiiGen lets you unlock cutting-edge capabilities using the machinery you already trust.

✓ **Extend the life of legacy machines**
✓ **Eliminate expensive upgrade cycles**
✓ **Enable real-time, AI-driven decision-making**
✓ **Seamlessly integrate into smart factory environments**

What KiiGen Delivers

1. AI at the Edge – Scalable Power

From 2 to 28+ TOPS, KiiGen's modular AI engine supports:
– 3D vision and detection
– Predictive maintenance
– Machine learning models
– Small Language Models (SLMs)
– Real-time monitoring
– Robot–human interaction
Your machines become smarter, faster, and more autonomous.

2. Seamless Compatibility

KiiGen works with the systems you already have:
• **Multi-protocol interoperability** for mixed-vendor environments
• **Deterministic communication** ensuring real-time reliability
• **RISC-V programmable logic** to adapt to site-specific needs

3. Digital Twin Optimization

With OPC UA and AAS/UML modelling, **KiiGen** builds a full digital replica of your operations—helping you optimise production flow, resource usage, and system-wide performance.

4. True Plug-and-Play Deployment

Install it. Power it. Transform your workflow.
KiiGen is engineered to minimize downtime and deliver results from day one.

The Impact: Efficiency Reimagined

Companies using **KiiGen** can expect:
✓ Up to **significant reductions in downtime** through predictive maintenance
✓ **Higher throughput** thanks to real-time analytics
✓ **Lower operational costs** by extending machinery lifespan
✓ Improved adaptation to labor shortages with smarter automation

KiiGen doesn't just modernize machines—**it modernizes your entire operation.**

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KiiGen™ by Logiicdev
Transform your factory. Empower your people. Unlock the future.

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 *The *Japanese word* KiGen means *Origin* (   ), signaling a fresh start for legacy industrial equipment, as well as *Condition* (   ) to describe the robot health-monitoring technology.