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AUTO-ID LABS AT KAIST

"Advancing global traceability standards through IoT innovation."

Auto-ID Labs at KAIST, established in 2005, is a key member of the Auto-ID Labs global network, which includes leading universities like MIT (USA), Cambridge University (UK), and Keio University (Japan). Based in South Korea, the lab specializes in Internet of Things (IoT) technologies, with a focus on traceability solutions. Through collaborations with international organizations like GS1, the lab has been instrumental in advancing the development and adoption of global standards for traceability. KAIST plays a pivotal role in the development of GS1 standards and is known for its open-source implementation of the Oliot platform, which supports the latest EPCIS 2.0 standard. The lab's work with industries in Korea has helped drive the adoption of international traceability standards, ensuring interoperability and compliance across various sectors.

Why Digital Seafood Traceability Matters

Digital seafood traceability is critical to Auto-ID Labs at KAIST as it enables transparency, compliance, and efficiency in the seafood supply chain. The lab is a strong advocate for international traceability standards like GS1, recognizing that standardized digital solutions are essential for ensuring sustainability, food safety, and regulatory compliance. By integrating GDST into its Oliot solution, the lab aims to enhance data accuracy and streamline operations, driving the global adoption of interoperable traceability systems. For KAIST, digital traceability is a foundational element in creating a transparent, efficient, and sustainable seafood industry.

Supporting the Seafood Sector

Auto-ID Labs at KAIST supports the seafood sector by providing technical expertise in implementing global standards and enabling interoperability across the supply chain. The lab's Oliot solution, which is GDST-compliant, helps companies in Korea and beyond adopt scalable, standardized traceability systems. KAIST collaborates with various industries and solution providers to promote digital traceability and ensure compliance with global standards. The GDST framework plays a key role by establishing a common language for traceability, aligning stakeholders, and facilitating the seamless exchange of data across the seafood supply chain, ultimately improving efficiency, transparency, and sustainability in the industry.

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 [Global Dialogue on Seafood Traceability \(GDST\)](https://www.linkedin.com/company/global-dialogue-on-seafood-traceability/)

Contributing to the GDST Standard

The Auto-ID Labs at KAIST contribute to the GDST Standard by integrating it into the Oliot solution, helping companies adopt the standard in their operations. The lab is actively working with stakeholders in the seafood industry to implement traceability solutions that comply with GDST's guidelines, ensuring interoperability and compliance across the supply chain. By contributing to the development of the GDST Standard, KAIST is helping to shape the future of global seafood traceability, driving industry-wide adoption of best practices and enhancing transparency in the sector.

Impact of GDST on the Business

The GDST has had a significant impact on Auto-ID Labs at KAIST by providing a framework for global traceability that enhances interoperability and standardization across the supply chain. Through its work with GDST, the lab has been able to align its solutions with international standards, improving the efficiency and effectiveness of traceability systems. GDST has also facilitated collaboration with other key stakeholders in the seafood industry, accelerating the adoption of standardized traceability practices and helping to drive global transparency and sustainability efforts.

Long-Term Goals

Auto-ID Labs at KAIST's long-term goal is to drive the widespread adoption of the GDST Standard across the seafood industry in Korea and globally. Success for KAIST means seeing industry-wide implementation of interoperable traceability systems, ensuring transparency, compliance, and sustainability in seafood supply chains worldwide. The lab is committed to enhancing global traceability efforts through continued innovation, collaboration, and support for international standards.

Advice for Potential GDST Partners

Auto-ID Labs at KAIST advises organizations considering joining GDST to focus on the importance of interoperability in achieving global traceability. By joining GDST, companies can ensure seamless data exchange across the seafood supply chain, contributing to the development of harmonized and effective traceability solutions. Collaboration through GDST is key to driving industry-wide adoption of best practices and ensuring that seafood traceability systems meet the highest standards of efficiency, transparency, and sustainability.

You can learn more about Auto-ID Labs at KAIST at: [Auto-ID Labs at KAIST Website](#)
Explore the benefits of GDST partnership at: [GDST Get Involved](#)

Note: Universities that are part of the Auto-ID Labs - MIT (USA), Cambridge University (UK), Keio University (Japan), ETH Zurich (Switzerland), Fudan University (China)

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