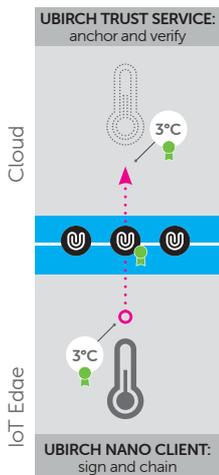


BLOCKCHAIN IN LOGISTICS AND SUPPLY CHAIN



The Missing Link is Trust

Logistics and Supply Chain applications take place in complex environments and contexts, involving many stakeholders, systems and tools spread over different players, locations, regions, countries and continents. This can lead to missing information within the process, creating uncertainty, hindering process optimization and cost hikes.



About UBIRCH

UBIRCH utilizes Blockchain-Technology to secure IoT data. An extremely lightweight client sits on the IoT device and is able to seal and chain outgoing data packets. Incoming packets can get verified, too. This leads to an unparalleled level of security, as every single IoT data point can get verified and checked for authenticity – whenever such a packet is getting processed somewhere in a backend. These „ubirched“ data-packets are also anchored in a public blockchain – generating the highest level of trustworthiness and immutability.

The solution is the perfect choice for Logistics and Supply Chain use cases like:

Track and Trace

Tracking packages, containers, shipments around the world or assets on-site or on the shop floor, knowing its exact position can save time and money. Using UBIRCH makes the time and location information trustworthy and verifiable, whether it's consumed internally or shared / received with / by a partner. By being able to trust and rely on data, this information becomes usable, e.g. for JIT/JIS optimization or cheaper insurance tariffs.

Supply Chain

Whether it is "farm-to-table" or "seed-to-sip" - modern, digital consumers don't just buy a tomato, they want a trustworthy documentation of its life-to-date. Where did the seed come from? When and where was it planted? When was the tomato harvested? Most of these questions can already be answered, but is the data trustworthy? This is where UBIRCH comes in. A ubirched scanner certifies by verifiable blockchain-anchored data that an asset went through a specific process step. Merging data like time, location and process data together with the ID of the scanner and the ID of the asset, into a verifiable piece of data. UBIRCH enables verifiable transparency when needed for food, pharma or any other supply chain.

Cold-Chain / Hot-Chain / Don't Shake-Chain / Low-UV-Chain / X-Chain:

Many sensitive goods especially in food and pharma but also in the chemical industry or the science sector need special conditions during their transportation. Whether or not it's its frozen food, medicine, chemicals or even living cells, the receiver wants and needs to be sure, that mandated conditions were adhered to. Sensors can bring transparency into this process, by capturing the condition data. But only if this data can't be easily manipulated, it's trustworthy. Using UBIRCH enables the receiver to verify the data recorded by the sensor against a common ground of truth, the blockchain. UBIRCH offers proof that the data really was received by this one sensor and is authentic and of integrity.

Some of our Partners

- T-Labs
- Microsoft
- Bundesdruckerei
- Reply AG
- Giesecke+Devrient
- regio iT

UBIRCH GmbH – Berlin, Cologne and Munich

Tel.: + 49 221 99 988 248 sales@ubirch.com

www.ubirch.com

IoT Data. Secured. Forever.