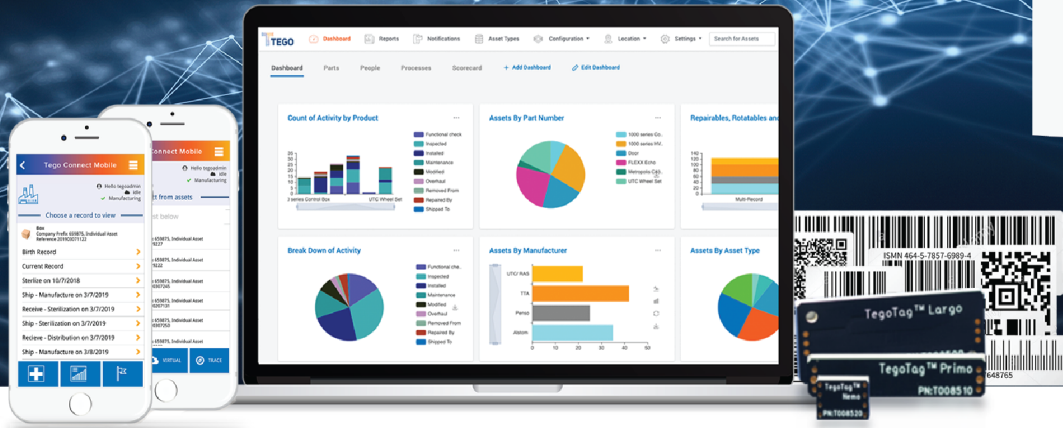


Digital Transformation in One Platform



Tego's Asset Intelligence Platform™ (AIP™)

Tego's AIP is a commercial, off the shelf, end-to-end digital transformation solution. The solution automates physical goods, processes and supply chains, distributes business information via apps and reports key performance indices (KPIs), enterprise-wide in the Cloud. The uniqueness of Tego's platform is in being able to gather, control and disseminate data across an organization, sending it to the right people, at the right time for the right business application to improve organizational performance.

Digitization and Automation of Industrial Parts and Processes

Tego's solution is agnostic to whatever AutoID technology is utilized on physical goods and services to track, trace and report in real time. For instance, the software will ingest data and information from barcode labels, UHF and HF RFID tags, GPS and RTLS feeds. The benefits of automating the manufacturing of goods and services include higher production rates and increased productivity, more efficient use of materials, better product quality, improved safety, more efficient allocation of manual labor, and reduced supply chain lead times.

TegoChip™ – How is it unique from other AutoID technologies?

TegoChip is a patented UHF RFID chip with unique 'blockchain on a chip' data storage capabilities making it ideal for the tracking and tracing activities across a disconnected global supply chain.

TegoChip is also the only UHF RFID chip that survives through medical grade sterilization process, including E-beam, gamma and X-ray sterilization. It is the only option for medical device manufacturers, aseptic pharmaceutical manufacturers, and biologics supply chains.

Schedule a Demo
info@tegoinc.com

TegoChip: Blockchain on a Chip

Data Storage Capacity

TegoChip is a battery-less, wireless data node. This patented passive UHF ASIC delivers unrivaled value because of its data capacity. TegoChip stores six thousand times more data than other chips of its kind. The many-times write and many-times read capability of TegoChip turns each tagged asset into more than an automated identification solution, it turns it into a data node for ongoing analysis of business processes, supply chain validation, etc.

Permanent Data Retention

TegoChip's unique feature is the ruggedness of the chip memory. TegoChip's memory survives multiple exposures of E-beam, gamma and X-ray sterilization, vibration, shock and extreme temperatures ranges. TegoChip is not EEPROM or FRAM memory. TegoChip's memory is patented to retain data permanently and in perpetuity. In other words, information stored inside the chip is there for posterity sake, for review, updating with additional data, edge analysis and mining.

Security, Encryption & Partitioned Data

Security, reliability and validity of edge information. TegoChip has several methods for handling security of data stored in the chip. One method is encryption of the data at the time of writing. A second is partitioning and password protecting different memory blocks of the chip so that data visibility is available to select downstream vendors. TegoChip facilitates the secure storage of certificates, public and private keys.

Structured & Unstructured Storage

TegoChip can store, manage and dynamically update ongoing changes in either unstructured or structured data formats. As a result, data can be used, saved and updated inside the ASIC same as its native form from your working environment. Whether that is excel files, jpegs, or regular hexadecimal, almost any media file type can be managed in the memory format of Tego's ASIC. By extending the use of customer's native format to what the chip memory can retain, this radically simplifies the process of managing data inside TegoChip.

When you combine all of the unique capabilities that TegoChip demonstrates, the outcome is exponentially more powerful than any standalone feature. With its capacity for data storage, with a memory type that is permanent in perpetuity, and with security features built into the memory banks, TegoChip is essentially a secure, distributed and immutable ledger of business process activity for use in any IoT deployment.

Tego's Solutions At A Glance



Flyable Parts

Tego's Flyable Parts solution enables automated, permanent identification and supply chain traceability of the lifecycle maintenance for airplane parts.



Tool Tracking

Tego's solution is ideal for workforces needing to track tens of millions of dollars worth of calibrated and non-calibrated tools and assembly kits scattered across the globe.



Sterile Supply Chain

Tego's sterilization-proof RFID solution is proven to withstand the stringent environmental requirements mandated by medical device manufacturers, pharmaceutical aseptic manufacturing, and hospitals.



AM Field Service

Automate the management and maintenance of assets and products at the edge where field service employees need data most.



Smart Manufacturing

Tego's solution automates the people, parts and processes of manufacturing floors to provide real-time analytics, alerts and notifications to monitor and mitigate risk and enable efficiencies across the entire organization.



Aseptic Manufacturing

Tego's sterilization-proof technology enables digital traceability with enterprise-level reporting and oversight throughout cleanroom CGMP conditions, including quality control environmental monitoring programs.

Reach out to info@tegoinc.com to learn more about configuring Tego's solutions to your use-case

Tego Drives Business Intelligence at the Edge



Edge-to-enterprise visibility, digitization, and control.



Increase efficiencies, productivity, engagement and ROI.



Respond to the environment and market dynamics faster.



Scale to meet business requirements.

Results

80% Reduction in labor and time for predictive maintenance.

90% Reduction of resources allocated across the supply chain.

35% Reduction in replacement costs due to better visibility.

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