GLOBAL CIRCULAR NETWORK

Global Circular Network Digital Product Passport Platform via RFiD THREADS® and cloud app

Let's get this done together and link an inclusive affordable circular economy that puts human centered design at its heart by using bulk scanning tools to tackle the enormity of the problem at scale. The faster we connect products to a circular economy, the faster we increase the shared responsibilities attached to funding 'waste management' plus mitigate emissions and pollution affecting us all.

JOIN THE GLOBAL CIRCULAR NETWORK'S

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100 MILLION THREADS PROJECT

RFID THREADS® DIGITAL PASSPORT

REDUCE WASTE. PROTECT THE PLANET. CHOOSE CIRCULAR

Collaborate to join a bulk manufacturing order of 100 million RFiD THREADS® to achieve the lowest base price per thread, connect products and people to a circular economy and help micro and SME businesses in all sectors to purchase efficient, interconnected digital passports at an equitable, accessible price no matter the size of business plus assist in compliant reporting.

100 MILLION THREADS PROJECT: JOIN THE CIRCULAR ECONOMY

Bulk manufacturing 100 million RFiD THREADS® helps us offer accessible, equitable "double DPPs" at scale—regardless of business size. By producing at volume, we drive down costs, increase jobs, boost local economies, and drastically reduce emissions and pollution on a global scale.

WHO CAN JOIN: A collaborative approach will reduce the cost of efficient DPPs to an equitable low base-cost to achieve national and international inclusive and financially sustainable collaborative solutions open to all stakeholders. By manufacturing a bulk production of 100+million RFiD THREADS® eg. governments to underwrite, collaboration with Global Consortium Partnerships and businesses can nominate via EOI starting at 100 threads.

Imagine the Positive Environmental Impact. Consider the massive shift in environmental impact: 100 million pairs of jeans, equipped with 100 million RFiD THREADS®, transitioned to a circular economy model. Denim is one of the most manufactured and discarded products worldwide, with 15.3 billion pairs ending up in landfills annually, contributing 2.16 million tons of waste. Additionally, 12.5 billion RFID tags are disposed of each year, adding to the waste once products leave the store.

Our RFiD THREADS® solution prevents emissions for just a few cents, extending product life, minimizing landfill contributions, and fighting plastic pollution.

The Circular Impact

Imagine the impact of keeping jeans in circulation just one extra year: denim's extended life multiplies climate benefits by 99 times, showcasing the immense potential of a circular economy in tackling climate change. With 100 million RFiD THREADS®, we could prevent emissions equal to 3.3 million metric tons of CO_2 through:

1. **Landfill Prevention**: Prevents methane emissions from decomposition, avoiding 31,450 metric tons of CO_2e.

2. **Extended Product Life**: Extends jeans' life through resale, rental, or repair, avoiding new denim production and reducing emissions by 3.34 million metric tons of CO_2e. These savings are equivalent to taking 733,141 cars off the road for a year, powering 401,363 homes annually, growing 20.2 million trees, preventing 1.87 million cross-country flights in the U.S.

Now imagine if this impact were multiplied across the 15.3 billion jeans sent to landfills each year, and beyond denim, to all textiles based products like homewares, accessories, mattresses plus the medical and hospitality industries.

COLLABORATIVE BULK ORDER DETAILS. Starting with 100 million threads we offer an efficient 'double' DPP for both B2B and B2C to all stakeholders no matter their size or budget.

- Bulk manufacturing offers the most comprehensive DPP tool at the lowest market price to create an equitable, inclusive circular economy.
- The Network is designed to create equitable and inclusive solutions for all size businesses, especially SMEs, charities, Not for Profit, social and disability enterprises and students.
- Through affordable smart tech and an open source policy, GCN facilitates connections to R-Cycle Circularity Networks and provides efficient compliance reporting.

Inclusivity increases job opportunities plus local and global economic growth to keep products in circulation, out of landfill plus reduce emissions and pollution, all the while collecting the data for verification and metrics for change.

CEO Alison Jose is on several CIRPASS-2 Expert Working Groups by the EU Commission and brands in the EU can work with the GCN to comply with the EU's Ecodesign for Sustainability Product Regulation (ESPR) using the RFiD THREADS® and redirect resources to show EPR/Product Stewardship and circularity.

FREE ACCESS TO OPEN-SOURCE APP.

All R-Cycler, sorting and recycler stakeholders can purchase RFID readers and download the app for free to connect to the Network. Brands can connect their own UHF RFID readers for a fee. **See Readers below.**

This Stage 3 and 4 industries can establish partnerships with brands who are pivoting to circular business models and offer to repair, resell, rent, redesign, remake and reuse - assist brands to fulfill their circular economy pathways and meet EU's ESPR compliance reporting and share in the profits and costs.

Email to book a Q&A Session to discuss: Bulk manufacturing stages, RFID Readers, app software, Subscription, Set Up fee

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BECOME A GLOBAL CONSORTIUM PARTNER.

We invite governments, industry leaders, brands, manufacturers and businesses to collaborate and join a bulk order of RFiD THREADS® digital passports. Become a **Global Consortium Partner** to help promote action as an eco-leader and roll-out in the region quickly to create a circular economy faster. Partners can cross promote to their audience, financially contribute, sponsor or invest to reach the bulk order. Learn more here.

HOW TO START. Join a bulk manufacturing and purchase as few as 100 RFiD THREADS® at the same rate as larger brands, enabling access to efficient, interconnected DPPs that support the circular economy for businesses of all sizes.

Email to book a Q&A Session: Learn how the Global Circular Network and RFiD THREADS® can drive a circular business model for your business.

Q&A SESSION will start with a Mutual NDA and fill in Q&A Form.
COST. **€60 / £51 / USD 65 / AUD99 - 1 hour**

Optional extra to book a **Circular Design Consultation** for us to help create your circular pathways - COST. **€120 / £102 / USD 130 / AUD 194 - 2 hours**

IMPACT FUNDING.

The two highest points for emitting emissions for this industry is during manufacturing and transport. Businesses can map their transport emissions to make better choices and offset through gold standard sequestration platforms.

To support the workers and businesses less likely to be able to afford to switch to renewable energy, the 100 MILLION THREAD PROJECT environment 0.01 cent of each thread goes toward installing renewable energy following *Project Drawdown* initiatives plus RFID reader rebates for R-Cyclers, sorters and recyclers.

STAGE 3 Secondary Market sold by sorters and recyclers.
Sorters and recyclers can re-sell the washable RFiD THREADS® onto a Secondary Market for profit plus refund small quantities to the original owner to reduce prices further and sell for products that don't require full washability like interior products, mattresses, accessories etc.

BULK MANUFACTURING STAGES. Distribution can start immediately once we reach the MOQ by utilizing existing interim machinery producing 20,000 per month.

RFID READERS

We have chosen 3 handheld readers to connect to App ready to purchase. They will be shipped direct and pre-set to your geographic location. Connect your own RFID readers for an additional fee. [See details on available readers](#).

1. **Chainway - UHF C72 Reader -** USD$755 per unit
- https://www.chainway.net/mobile/Products/Info/42

2. **Zebra Technologies - UHF TC22/TC27**
- https://www.zebra.com/us/en/products/spec-sheets/mobile-computers/handheld/tc22-tc27.html

3. **iCARD** - Small iCard attached to an Android phone cost USD$150

SOFTWARE

OPTIONAL CONNECTING TO SUPPLY CHAIN MANAGEMENT SYSTEMS.
If connecting your SCM we first need to learn from the Q&A what your software is and then we set up a meeting with Sanjeev Varshney and IT team to discuss software and "digital bridge' connectivity.
https://www.linkedin.com/in/sanjeev-varshney-77676620/

Example of LCA software. Software can be connected to the GCN App via a digital bridge which can include LCA and metrics collection software to increase data collection efficiency and reporting.

PROCESS & RECOMMENDATIONS NOTES

- Establish an integration process with the manufacturing team.
- Threads bending, Missing and multiple insertion by mistake.
- Color coding. RFiD THREADS® available in different colors to distinguish sizes.
- Counting Product in the Box (Product-to-Box-Association).
  The number of products in the box can be scanned enabling product-to-box association.

Encoding options:

1. RFID Threads can be manually encoded in bulk by our factory and arrive pre-encoded to your factory. Training to be provided.
2. New product factory to encode/add data. Training is provided.
3. Resource recovery industry final scan at end-of-life and removal of RFID thread to recover, reset, resell or recycle. We can work with your teams to train.

Email to book a Q&A Session info@globalcircularnetwork.com

www.globalcircularnetwork.com