CYCLeco
Life Cycle Assessment

spin it

A dynamic Life Cycle Assessment tool for Eco design and environmental footprinting of textile products

Spin'It is an innovative approach to Life Cycle Assessment (LCA) : Working together with textile quality managers, LCA specialists, and IT programmers, Cycleco developed Spin'IT®, a web application accessible online which allows non-expert to carry out the LCA of textile products independently for purposes of **eco-design and environmental footprint labelling**.

«*Spin'it fills the needs that were identified during the French Environmental Footprinting experimentation: it allows companies to calculate their product's footprint regardless of their knowledge and control of the production chain.*
The tool is easy to use for anyone with a minimum of knowledge of the production stages; it provides a good visibility thanks to the summary mode and most and foremost it limits the number of necessary inputs: We only have to fill in the fields that we want to modify. **When you need to conduct LCA for a large amount of models, each mouse click avoided is a precious time saver**»

S. Valerio, Quality Manager,

promod

EFFICIENT
Reliable and transparent LCA-based ranking of products for eco-design and environmental footprinting

COLLECTIVE
A secured web interface allows easy sharing **through the whole supply chain and within an organization,** to efficiently manage environmental data for several thousand of references.

FAST
Ergonomic and intuitive: A basic knowledge of the manufacturing steps is enough to conduct the LCA of a clothing article in 5 minutes.

FITTED
The tailored interface makes it easy for textile retailers and manufactures to collect and organize data

QUALITY DRIVEN
The summary mode and full reporting capacity ensure traceability

Request a demo and get your free login to try Spin'IT®, here: **www.textile.cycleco.eu**
Or contact us: textile@cycleco.eu +33 (0)4 37 86 07 12

Create and share LCA & LCI in a few easy steps

spin it

| DASHBOARD | PRODUCTION | MAKING | PACKAGING | DISTRIBUTION | USE PHASE | END OF LIFE | SUMMARY | RESULTS |

scenario 1 | scenario 2 | scenario 3 | scenario 4

▼ **Components**

➕ Create new component

📄 Choose component

▶ Garment's weight

▼ **ANGORA-CASHMERE**

Name : ANGORA-CASHMERE
Type : textile

➕ ➖ 📄

▶ Description of component (material)

▶ ➕Add a process

▶ 1 : Spinning of natural fibers

▶ ➕Add a process

▶ 2 : Weaving (loose)

▶ ➕Add a process

▶ 3 : Fabric finishing (dyeing)

1. Describe product's life cycle stages processes:
→ Adapted nomenclature and units
→ Full database for materials and processes
→ Pre-recorded defaults values for faster input

2. Modify entries as needed, copy LCA projects , scenarios and Life Cycle Inventories (LCI) for yarn or fabric
→ Import functions to save time
→ Efficient summary tab to check entries.

3. Record LCA projects in the company database
→ Shared templates

4. Invite collaborators and suppliers to enter data directly online
→ Worldwide centralized point to collect data

Generate and analyse results

| TOTAL | Reports | scenario 1 | scenario 2 | scenario 3 | scenario 4 | Environmental balance |

	Global warming [Kg eq. CO₂]		Water consumption [m³]		Fresh water Eutrophication [g P eq]	
TOTAL	19,16	100%	1,57	100%	10,66	100%
Manufacturing (including transport and end of life)	16,43	85,73%	1,19	76,05%	9,63	90,32%
Use phase	2,74	14,27%	0,38	23,95%	1,03	9,68%

Implement an eco-design strategy and obtain rigorous and transparent environmental labelling across your whole production, even for complex supply chain and restocking scenarios.

✓ The use of an external LCA consultant becomes optional; the ability to conduct in house compliant LCA is now available.

✓ The supply chain's specific analysis and **eco-design tool** helps you make informed choices

✓ Publish full reports to ensure traceability

Let's go further, together

Spin'it is an innovative service designed to support, sustain and promote eco-business innovation initiatives through a simple yet powerful tool: Spin'it is so easy to use a kid can do it, while offering adapted features and coaching to support your company step by step in its environmental management strategy .

CYCLECO aims to facilitate the transfer of knowledge from LCA experts to the industry's actors;
- ✓ The dynamic interface is structured to respect textile products life cycle stages and to guide the user in the realisation of the studies while learning the LCA methodology.
- ✓ Technical and methodological support is available from our LCA experts.
- ✓ Transversal work shops can be scheduled to improve the dynamic of the implementation of life Cycle management within the company quality system.

Spin'it is a decision making tool that helps you **concentrate your efforts on your priorities;**
- ✓ Easy to use analysis tools helps you identify hot spots and target actions.
- ✓ High range default values establish steps towards Life Cycle Management improvement in the company: it introduces knowledge of the supply chain, including data collection, as a first step in a Life Cycle Approach.
- ✓ Secured 24 month archiving of your projects: even if your licence laps, we ensure the long term continuity of your environmental management system up to one year, for free.

Adequate F'IT solution

Spin'it is an online F'IT (Functional IT) solution: it is trimmed from unnecessary function and data so that users have access to <u>all</u> of what they need (Database, methodology, inventories) but <u>only</u> what they need.

Methodological support

Spin'it is a tool aimed at capacity building. Our LCA experts support your team in implementing your environmental strategy, providing adapted training when and where you need it most.

With tools that fit them, businesses are empowered and can lead environmental change within their industry.

Licence

The annual Licence in SaaS mode (Software as a service) gives your company access to the following Spin'it services:

- ✓ Online training
- ✓ Methodological support
- ✓ Multi-users company access: five accounts with full sharing and calculation features
- ✓ Free suppliers access (only to the data you decide to share)
- ✓ Secure data storage for 24 month

LIFE CYCLE ASSESSMENT

Life Cycle Assessment (LCA) is a standardized method for the quantification of environmental performances that helps you making choices for eco-design of products or services and establish an environmental strategy. It is also a mean to implement sustainable development policies such as environmental labelling.

Main characteristics of LCA:
- ✓ Products comparison on the basis of a common service fulfilled (functional unit)
- ✓ Impacts identification for each phase of the product life cycle
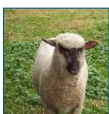- ✓ Multicriteria impact assessment

ABOUT CYCLECO

Cycleco is a French SME specialising in LCA.

Our research activities and involvement with the most active and influent global LCA initiatives put us at the cutting-edge of multi-impact environmental evaluation expertise, far beyond traditional LCA consultancies.

Cycleco is also a leading actor of the environmental footprinting of textile products. We have supported small and medium companies during the French experiment and we keep doing so at the European level. Due to its international efforts for developing a European LCI database of textile material and processes, Cycleco is strongly advanced in that field and was selected by the ADEME for providing LCI for textile for the French national database.

While the whole society is facing environmental problems, Life Cycle Assessment (LCA) is a fantastic tool providing metrics to enable both companies and citizen to find the best way to keep quality of life while reducing environmental burdens.

With the overall purpose of facilitating the use of LCA for companies, we vouch to bring a pragmatic, efficient and cost effective solution to grant access of small and medium companies to LCA methods and results »

Jérôme Payet, CEO of Cycleco

Many thanks to our partners and lead users:

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