GAIA circulair

YOUR PARTNER IN REVERSE LOGISTICS AND RECYCLING

LET`S MAKE TE WORLD A LITTLE MORE CIRCULAR

www.gaiacirculair.com

SERVICES

For GAIA circulair, responsibly managing materials and preserving the value and quality of resources is the basis of sustainable action. To support this sustainable action, GAIA circulair offers various services; from return logistics, sorting to recycling and from storage to production of new products. below is an overview of our services.



1. **RESOURCE BOX**
   COLLECT ALL PPE (40 X 40 X 80 CM)
2. **LOGISTICS**
   ONLINE PORTAL
3. **SORTING**
   RESULTS IN ONLINE DASHBOARD
4. **WAREHOUSE**
   >100 DIFFERENT RAW MATERIALS (ONLINE)
5. **RECYCLING**
   REMOVE LOGOS
6. **RAW MATERIALS**
   COMPOSITION ON REQUEST
7. **MANUFACTURING**
   CIRCULAR PRODUCTS
8. **NEW PRODUCTS**
   INCLUDING DIGITAL PRODUCT PASSPORT

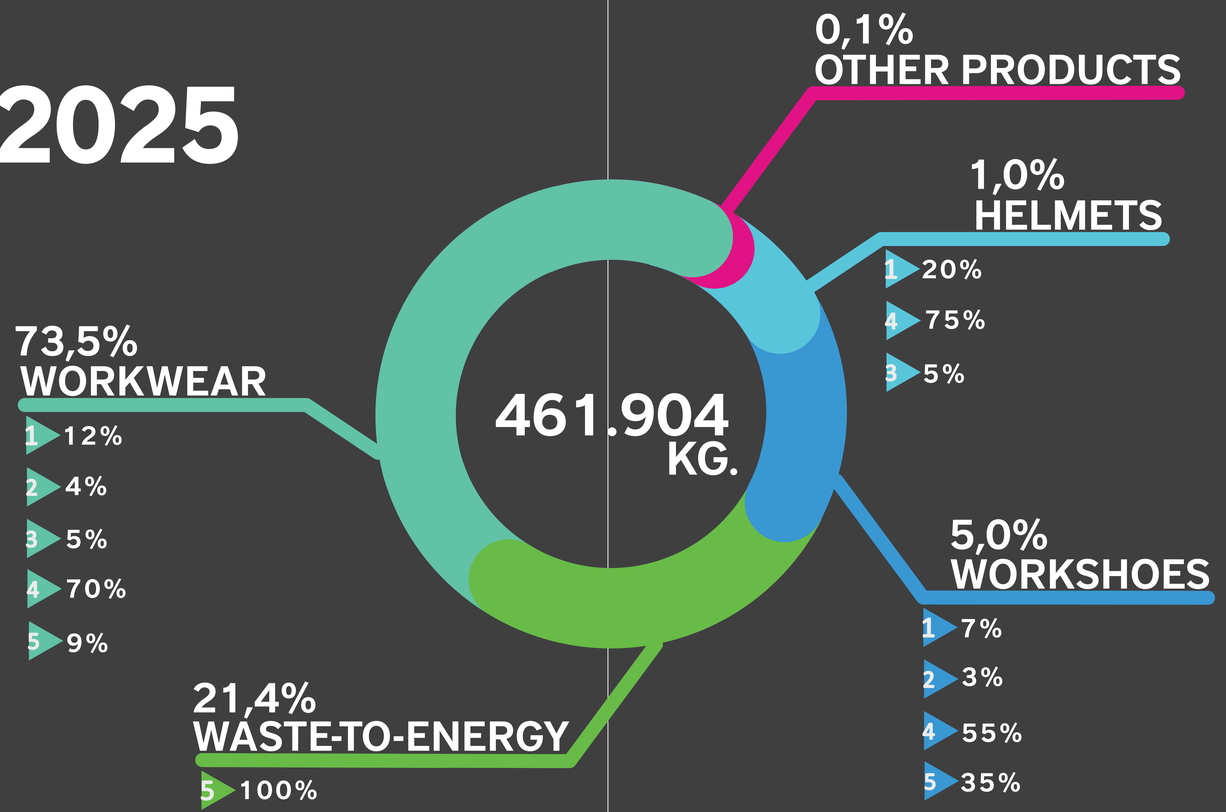
RESOURCE BOX

- dimensions 40cm x 40cm x 80cm
- capacity approximately 130 liters
- weight approximately 20-25 Kg. (130 liters)
- equipped with 2 handles
- 15 full Resource Boxes fit on 1 Euro pallet
- all PPEs unsorted



To make the collection of all personal protective equipment as easy as possible and logistically efficient, GAIA uses the Resource Box in a circular manner. These Resource Boxes are designed to simplify collection: products do not need to be sorted in advance. Once the box is full, the customer reports this via the online portal, after which we organize the return logistics. From GAIA circular, the pickup date is communicated via email from the online portal, and new empty Resource Boxes are delivered immediately. This way, the collection remains uninterrupted, and customers can continue to contribute to their circular goals without extra effort.

SUSTAINABILITY



1. REUSE : REUSE IS A PROCESS IN WHICH OLD AND UNWANTED PRODUCTS AND FINDING NEW WAYS TO USE THEM, FOR EXAMPLE DONATING (REDCROSS) OR RESELLING.
2. UPCYCLING : UPCYCLING IS A CREATIVE PROCESS IN WHICH DISCARDED OR OLD MATERIALS ARE TRANSFORMED INTO NEW PRODUCTS OF HIGHER VALUE OR BETTER QUALITY.
3. CLOSED-LOOP RECYCLING : CLOSED-LOOP RECYCLING IS A SYSTEM WHERE USED PRODUCTS AND MATERIALS ARECOLLECTED, PROCESSED, AND TURNED BACK INTO THE EXACT SAME TYPE OF PRODUCT.
4. OPEN-LOOP RECYCLING : OPEN-LOOP RECYCLING IS A SYSTEM WHERE A PRODUCT OR MATERIAL IS RECYCLED INTO A COMPLETELY NEW AND DIFFERENT PRODUCT, FOR EXAMPLE REPURPOSING
5. WASTE-TO-ENERGY : BURNING WASTE WITH ENERGY RECOVERY IS A PROCESS WHERE NON-RECYCLABLE MATERIALS IS BURNED AT HIGH HEAT TO CREATE ELECTRICITY, STEAM, OR HEAT. IT REDUCES WASTE VOLUME BY UP TO 90% AND REPLACES FOSSIL FUELS, BUT IT ALSO RELEASES CARBON EMISSIONS AND CAN COMPETE WITH MATERIAL RECYCLING.

ONLINE PORTAL

At GAIA circular, material preservation and waste prevention are central. By separately collecting textiles and shoes and reusing them as much as possible, we actively contribute to the European EPR obligations (Extended Producer Responsibility) for these product categories.

We aim to provide transparent insight into the share of collected textiles, shoes, and other personal protective equipment that actually gets a second life as a product or as raw material. This information is made available through our online dashboard, where customers have real-time insight into the yields and environmental benefits of their material flows being recycled. The dashboard data can also be easily downloaded and used as input for internal and external reporting.

The impact figures are calculated by applications from Cirmar by combining the weight of the flows with the impact per material. This data comes from a global database that is validated by independent knowledge institutes.



CONTACT

GAIA circulair B.V.

M. +31 (0)6 577 666 36

info@gaiacirculair.com

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