



45
1978 - 2023

**Kotniz is
going to
be green.**



1992



2022

We were doing it
before it was **trendy.**



5 facts

- We have **not** used coal for **45 years**.
- We have been **planting trees** for over **30 years**.
- We had a **waste permit** and separated waste for **20 years**.
- We have been **separating waste**, PET, plastic and paper for **15 years**.
- We have had **photovoltaic** plant for almost **5 years**.

We continuously care for the **enviroment**.



- We reduce energy consumption.
- We are replacing machinery with less energy-intensive equipment.
- We recover heat from industrial process.
- We have replaced lighting with LEDs.

We still look for new
ecological packaging.

We are using
recycled stretch wrap.



Karczew, 25-05-2023

STATEMENT

We hereby certify that stretch film with PCR manufactured by Sigma Stretch Film of Europe Sp. z o.o. contains 30% of PCR material (PCR - in accordance with the definition of ISO 14021 – material from post-consumer sources).

Elżbieta Majchrzak
R&D Manager

SIGMA STRETCH FILM OF EUROPE S. z o.o.
Kierownik Badaw i Rozwoju

Elżbieta Majchrzak



We are using **Circal** aluminum for our products.

Hydro **CIRCAL**

At least **75%** post-consumed recycled aluminium

VERIFIED by DNV GL basen on traceability and quality principles delobed by Hydro

2.3 kg Co2e/kg Aluminium

CONFIRMED by and Environment Product Declaration

Setting a new standard in recycled Content.







15%

**of our energy
consumption
comes from
green sources**

Greenhouse Gases Avoided

CO ₂	Carbon Dioxide	677 954,28 kg
NO _x	Nitrogen Oxide	199,76 kg
SO ₂	Sulfur Dioxide	300,14 kg

Environmental Benefits

-  The greenhouse gases that **149,46** passenger cars emit over 1 year.
-  The energy to power **2533,64** computers for 1 year.
-  The energy to operate a TV for **2 289 139,64 hours**.
-  **99,7 tons** of standard coal saved.
-  **118,4 tons** of CO₂ avoided.
-  Equivalent of planting **162** trees.



We do care about our **chemical waste.**

- We have installed a **sewage treatment plant.**
- We have built an industrial **chemical recovery facility.**
- We **reduce** the amount of **post-production waste.**



**We do care
about details.**

- We **educate employees** about less waste.
- We **sponsor public ECO education campaigns.**
- We **reduce** water, gas and electricity consumption.
- We use **water filtration** devices for drinking water.
- We look for solutions to **reduce the energy** intensity of processes.



**Kotniz will be
green!**



The jeweler of marine hardware™

ESTD - 1978