



**bech  
packaging**

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## RESPONSIBLE USE OF PLASTICS



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**DYNAMIC DEVELOPMENT OF MODERN CIVILIZATION AND AN INCREASING LEVEL OF CONSUMPTION**  
LEAD TO THE PROBLEM OF HUGE AMOUNTS OF WASTE. TO EFFICIENTLY TACKLE THIS PROBLEM, WE MUST  
RAISE PEOPLE'S AWARENESS AND CHANGE OUR HABITS.

## **ECOLOGY STARTS AT HOME.**

**EDUCATIONAL INITIATIVES IN ECOLOGY CONSTITUTE**  
AN ESSENTIAL ELEMENT OF THE STRATEGY,  
AS DO ALL KINDS OF ECONOMIC MOTIVATION  
ENCOURAGING PROPER,  
**ENVIRONMENTALLY-FRIENDLY BEHAVIOR.**



## PLASTIC WASTE COLLECTED IN THE EU



**PREPARATION  
FOR RECYCLING - 31%**



**RECOVERY OF ENERGY - 42%**



**WASTE DISPOSAL SITES - 27%**



**ACHIEVING THE TARGETED “ZERO WASTE”**  
OBJECTIVE ENTAILS IMPLEMENTATION OF A  
COMPREHENSIVE WASTE PROCESSING SYSTEM,  
PRIMARILY INVOLVING WASTE PREVENTION,  
RE-USE AND RECYCLING.

## WASTE AND GENERATION OF WASTE

**ACCORDING TO GLOBAL STATISTICS, THE ANNUAL WASTE GENERATION PER CAPITA IN JAPAN AMOUNTS TO APP. 1000 KILOGRAMS,** WHILE THE STATISTICAL AMERICAN GENERATES ABOUT 860 KILOGRAMS OF WASTE. IN EUROPE, THE LEADERS IN WASTE GENERATION ARE THE GERMANS WITH 460 KILOGRAMS OF WASTE PER PERSON, FOLLOWED BY THE FRENCH AND ITALIANS GENERATING APP. 300-350 KILOGRAMS PER CAPITA.

**IN POLAND, ANNUAL GENERATION OF WASTE PER PERSON VARIES FROM 250 TO 300 KILOGRAMS.**



**SWEDEN HAS BEEN THE EUROPEAN SYMBOL OF ENVIRONMENTAL CARE FOR SEVERAL YEARS NOW.** PRO-ECOLOGICAL EDUCATION IN SWEDEN STARTS IN KINDERGARTEN AND RECYCLING IS ALSO ECONOMICALLY VIABLE. THE SWEDES DILIGENTLY COLLECT THEIR WASTE TO USE IT LATER AS AN ENERGY RESOURCE.



## CLOSED-CIRCUIT ECONOMY

**CLOSED-CIRCUIT ECONOMY IS AN ECONOMIC CONCEPT ASSUMING THAT PRODUCTS,** MATERIALS AND RAW MATERIALS SHOULD STAY IN THE ECONOMY FOR AS LONG AS POSSIBLE AND WASTE GENERATION SHOULD BE REDUCED TO A MINIMUM.

**THIS IDEA TAKES INTO ACCOUNT ALL STAGES OF THE PRODUCT'S LIFE CYCLE, STARTING WITH ITS DESIGN, THROUGH PRODUCTION, CONSUMPTION AND THE COLLECTION AND MANAGEMENT OF WASTE.**



GRAPHICS BASED ON THE STUDY BY THE EUROPEAN COMMISSION.

## OUR **STRATEGY**

**IN THE PRODUCTION PROCESS  
WE USE ONLY RECYCLABLE  
RAW MATERIALS!** THEY INCLUDE  
ALSO RAW MATERIALS OF PLANT  
ORIGIN (GREEN PE).



## OUR STRATEGY



### PRODUCT WEIGHT REDUCTION PROGRAM

THE EXEMPLARY **1000 ML BOTTLE**: 1996 r. = 60g  
2006 r. = 55g  
2016 r. = 53g  
2019 r. = 50g

**RECOVERY** OF PROCESSING  
WASTE (OVER 99%)

**THERMAL ENERGY RECOVERY**  
FROM MACHINERY AND EQUIPMENT

**REDUCTION OF ELECTRICITY CONSUMPTION**  
THANKS TO THE USE OF MODERN MACHINES

**USE OF ENVIRONMENTALLY**  
SAFE CHEMICAL

**ORGANIZATIONAL READINESS** TO  
IMPLEMENT CLOSED-CIRCUIT ECONOMY

**EDUCATIONAL INITIATIVES** IN WASTE  
SEGREGATION AND ENVIRONMENTAL  
PROTECTION







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## OUR **STRATEGY**

WE BELIEVE THAT PLASTIC  
IS THE MATERIAL OF THE FUTURE.  
**WE USE IT RESPONSIBLY!**



**ALL OUR PACKAGING CAN BE PROCESSED  
MULTIPLE TIMES.**

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**ECOLOGY IS IMPORTANT TO US.**



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