



**SECOND LIFE**  
**FOR PLASTICS**





## OUR MISSION

# SECOND LIFE FOR PLASTICS



We cannot eliminate the plastics, it is a too valuable material. RECYKLING is the shortest path to achieve sustainable development.

ZBIGNIEW TREJDEROWSKI  
*Managing Director of Konkret*



## NUMBERS

# CONKRET IN NUMBERS



**50%**  
OF EXPORT TO MORE THAN  
20 COUNTRIES

**MORE THAN  
2500**  
TONNES OF FOILS  
PRODUCTS MONTHLY

**+30**  
YEARS  
ON THE MARKET

**300+**  
WORKERS

**MORE THAN  
5000**  
TONNES  
of regranulates monthly

**23 000**  
M<sup>2</sup>  
of production halls

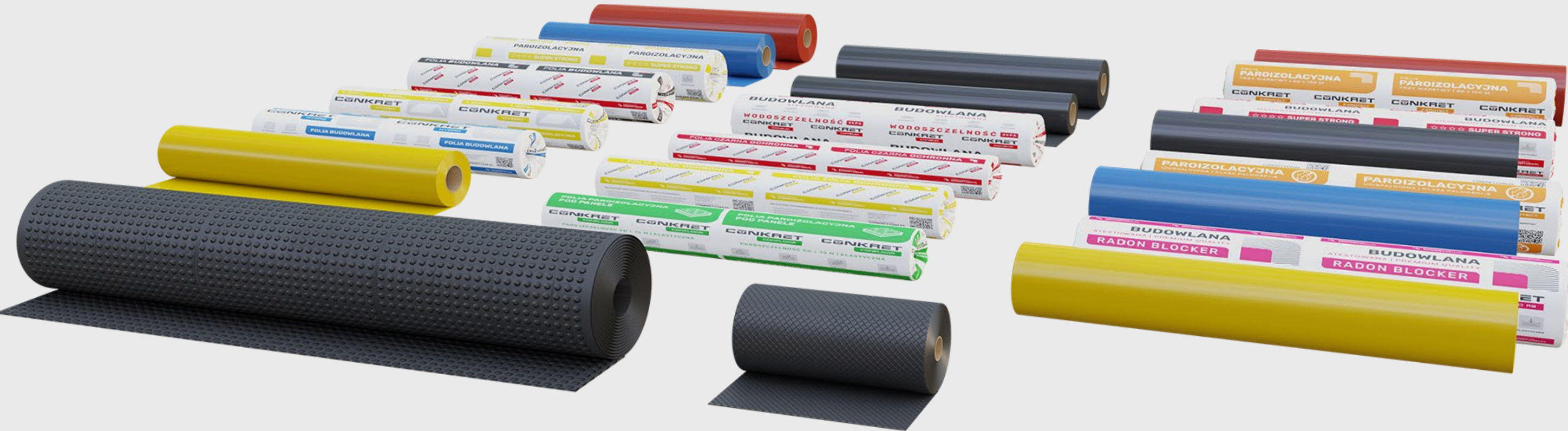
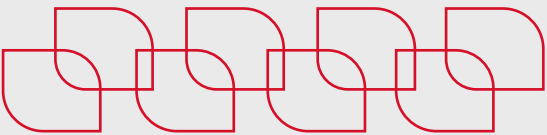


MEET US

# WHAT DOES IT MEAN THAT WE ARE GIVING A NEW LIFE

We are the leading Polish recycler. We produce plastic regranulates, from which we produce modern polyethylene films for applications, among others. in industry, construction and agriculture.

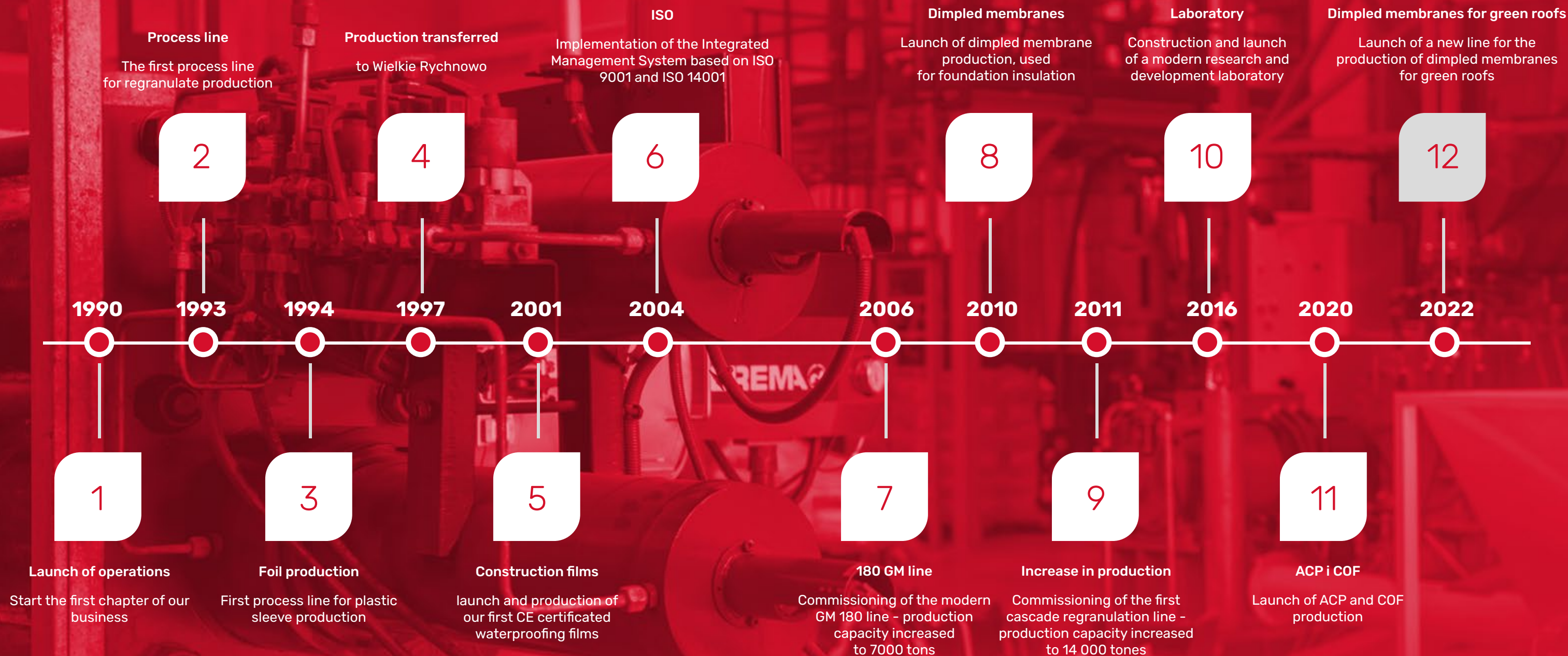
Conkret is responsible for the entire technological process: from the purchase of plastic waste, through their transport, segregation, regranulation, to the manufacture of a completely new product.





## HISTORY

# MORE THAN 30 YEARS OF EXPERIENCE IN PLASTICS INDUSTRY



**Conkret was established in 1990** as the company manufacturing and packing polyethylene films. Robust development through high investment expenditure and the related increase in production were decisive for the success of our company that was not limited to the Polish market.



YEAR 2050

# ENVIRONMENTAL DISASTER?

The permanent extraction of fossil fuels that are running out is used to make plastic products from them. After a single use, most end their lives in a landfill or incinerator. Furthermore, 8 million tons of plastic enter the oceans each year – a number that continues to rise. If we fail to introduce rapid changes, by 2050 the oceans will contain more plastic than fish.

Only 14% of plastic packaging in circulation is recycled. As a result, the economy loses the equivalent of \$80-120 billion a year, but what is even worse is the constant increase of carbon emission into the atmosphere.

8 MLN

tonnes of plastic enter the oceans each year

14%

this is how little of the plastic packaging in circulation is recycled

2050

is the year when oceans will contain more plastic than fish



INNOVATION

# SUSTAINABLE DEVELOPMENT

Our regranulates, used in production of polyethylene films, also remain a sustainable alternative to raw materials derived from fossil fuels. Conkret pursues harmonious and systematic development of activities, and their end-to-end offer contributes to solving the problem of environmental pollution. Specialists, who joined Conkret, design effective solutions with recycling in mind.

For us, sustainability means responsibility. This is why the Conkret brand follows the idea of socially sustainable business.

The widely held belief that banning plastics and replacing them with materials like glass, paper or aluminium will solve the problem is wrong. Swapping plastic for other raw materials may lead to a number of unintended negative consequences, such as: increased carbon emissions, water consumption and food waste.

**So we need to switch to recycling, which is an integral part of the circular economy.**



WASTE REDUCTION



ENVIRONMENTAL AWARENESS



TRANSPORT OPTIMISATION



ENERGY EFFICIENCY



GREEN ENERGY



RESPONSIBLE BUSINESS



OUR MISSION

SECOND LIFE FOR PLASTIC WASTE

We develop the technology of recycling and create an economic model of the future, where resources circulate in a closed circuit. Their added value is maximised, whereas waste generation is minimised.

Second life for plastics waste – real benefits:



Reduction of CO2 emissions by up to 90% and a positive impact on climate change



The best alternative to fossil fuels



Reduced dependence on natural resources (natural gas, oil)



Reduced release of plastic waste into the environment



No burning or storage of plastics causing the release of toxic toxins and gases



*Let's create a circular economy for plastics together*



ISO

INTEGRATED MANAGEMENT SYSTEM

Since 2004 Konkret has operated under the Integrated Management System in accordance with the requirements of PN-EN ISO 9001:2009 and PN-EN ISO 14001:2005, implemented and applied in practice, ensuring manufacturing and sale of products of repeatable and guaranteed quality, with the established strategy for minimising the negative environmental impact of conducted activities.

The Plant Production Inspection (PPI) is an important module of that system, ensuring stability of production and achievement of product parameters as specified in technical specifications.



QUALITY

ENVIRONMENTAL PROTECTION

EuCertPlast certification, obtained in 2020, is a confirmation that our regranulates are produced using post-consumer waste and are fully traceable.

As active members of plastics recycling associations, environmental protection is our constant concern.



**+150 TONNES OF PLASTIC RECYCLED DAILY**





DEVELOPMENT

WE FOCUS ON DEVELOPMENT  
IN A SUSTAINABLE WAY

Sustainable development is the basis of our strategy. We accept responsibility for all our business activities – for our contracting parties, employees, as well as for the environment and the society.

Together we are responsible for creation of the world without waste and for protection of this exceptional planet.



*WE DESIGN OUR  
SOLUTIONS WITH  
RECYCLING IN MIND*

EVERY WASTE HAS A VALUE

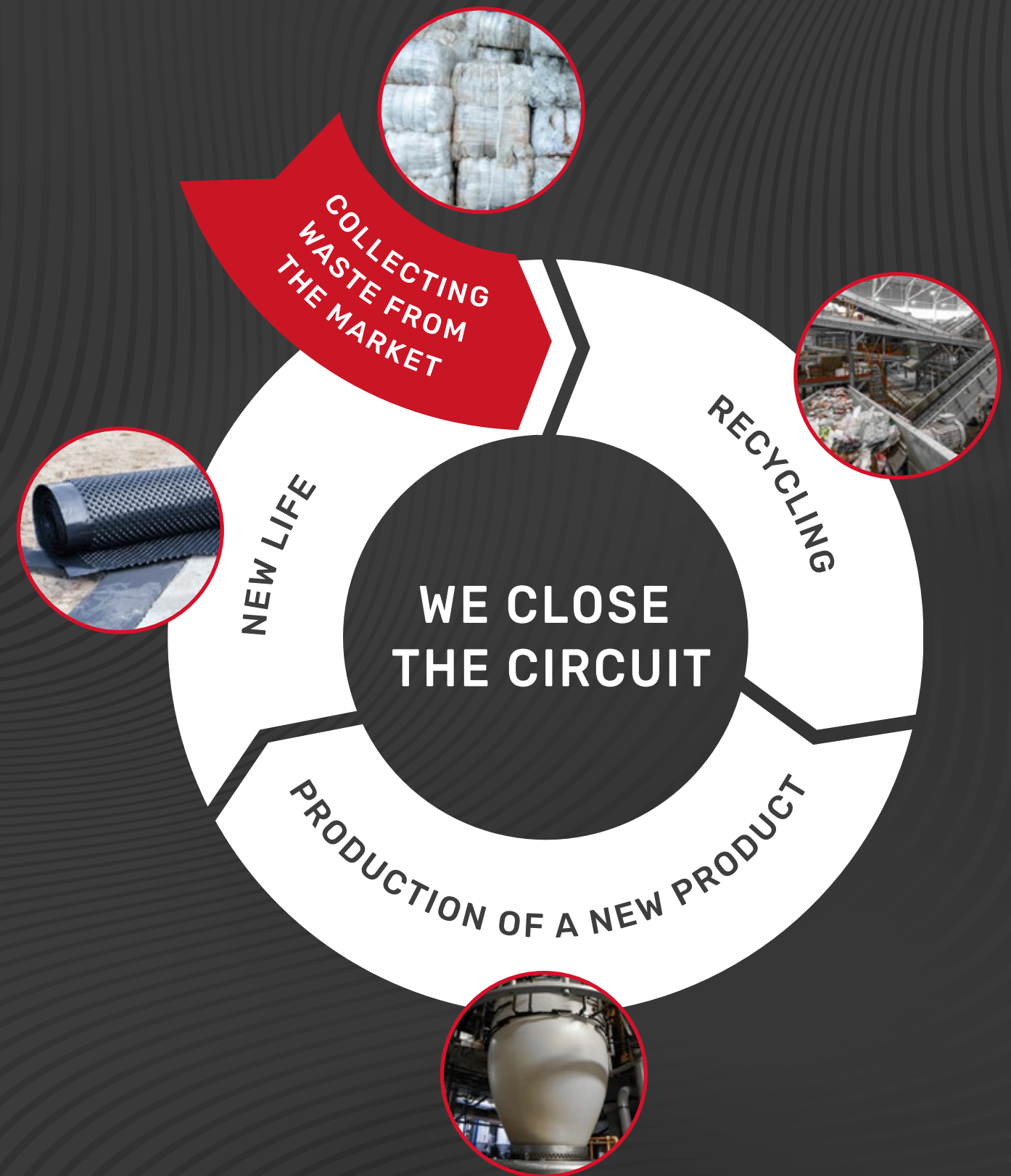
Our regranulates can be successfully used in production of specialist products, at the same time forming a sustainable alternative for original raw materials obtained from fossil fuels. Our activities and products allow us to solve the problem of environmental pollution, because we design our solutions with recycling and circular economy in mind.



## WE CLOSE THE LOOP

### HOW DO WE GIVE A SECOND LIFE TO PLASTIC WASTE?

- 01 Collecting waste from the market**  
delivered plastic waste is sorted in order to remove any possible solid impurities
- 02 Recycling**  
sorted plastic waste is shredded, washed and regranulated using the latest recycling technologies
- 03 Manufacturing a new product**  
the regranulate obtained in the recycling process is used to manufacture modern polyethylene films: waterproofing films, packaging films, agricultural films
- 04 New life**  
these polyethylene films are widely used in industrial sectors, construction or agricultural business, and are still recyclable



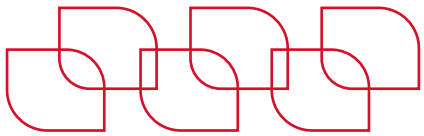
**40.000 TONNES  
OF REGRANULATES YEARLY**



THE PRODUCTION PROCESS

HOW WE PROCESS  
WASTE INTO A NEW PRODUCT?

Recycling and processing of foil waste into ready foil products is a multi-stage process. It is not limited to disintegration, feeding to extrusion moulding system, plasticization and granulation. It also includes elimination of solid and fibrous pollutants, such as: metal and wood chips, paper or textile fibre, or chemicals, such as e.g. printer's ink.



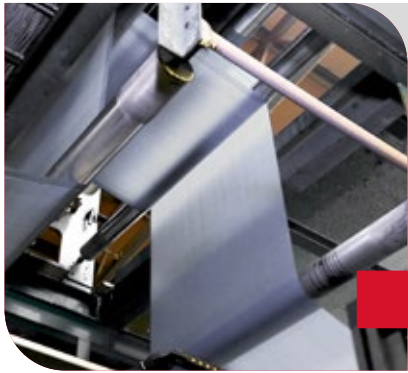
**Cleaning and washing**

desintegrated plastic is subjected to cleaning process in the cleaning system



**Granulation**

washed flakes are subjected to homogenisation, degasifying and filtration



**Extrusion**

regranulate is used for blow moulding or casting of new products



**Product**

finished product in the form of polyethylene films



**Raw material**

waste is delivered in pressed bales



**Sorting**

loosened bales are sorted

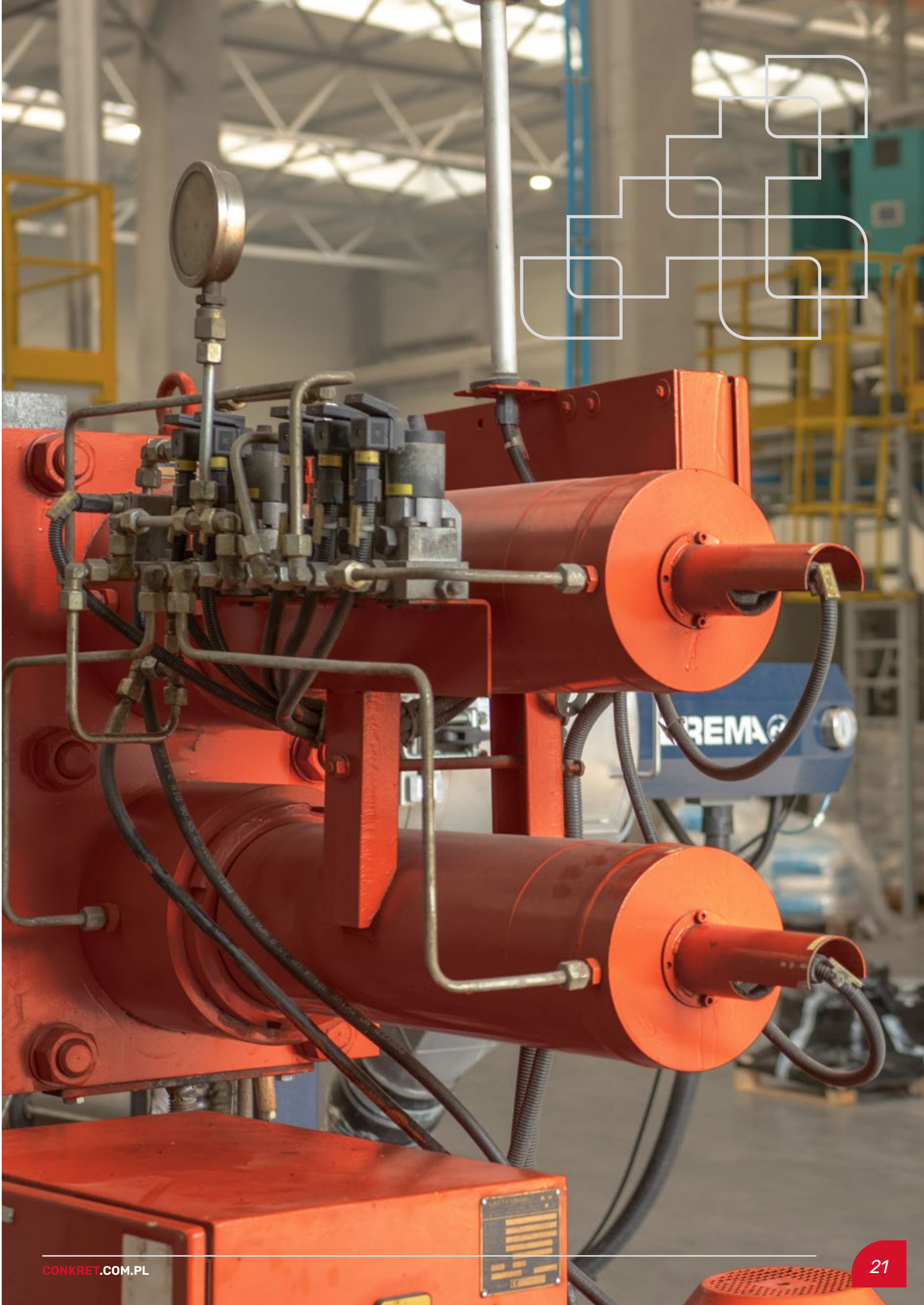


YOUR BENEFITS

OUR RECYCLING TECHNOLOGY

The parameters of regranulates that we produce, based on innovative COF and ACP technologies, are significantly higher than those of regranulates produced using conventional methods.

Our Technology	Your Benefit
<div><div>+ Highly effective system of flake washing and drying</div><div>+ Continuous filtration system</div></div>	<div><div>+ Lack of pollution in a finished product</div></div>
<div><div>+ Cascade, double-extruder system</div></div>	<div><div>+ Increased density and bulk density of regranulate</div><div>+ Reduced amount of gas bubbles in a finished product</div><div>+ It is not necessary to use desiccants</div></div>
<div><div>+ Innovative homogenisation system</div></div>	<div><div>+ Very high level of homogeneity</div><div>+ Lowered gel content</div><div>+ Improved mechanical properties</div></div>
<div><div>+ Automatic mixing and averaging system</div></div>	<div><div>+ Stabilisation of finished product manufacturing process</div></div>



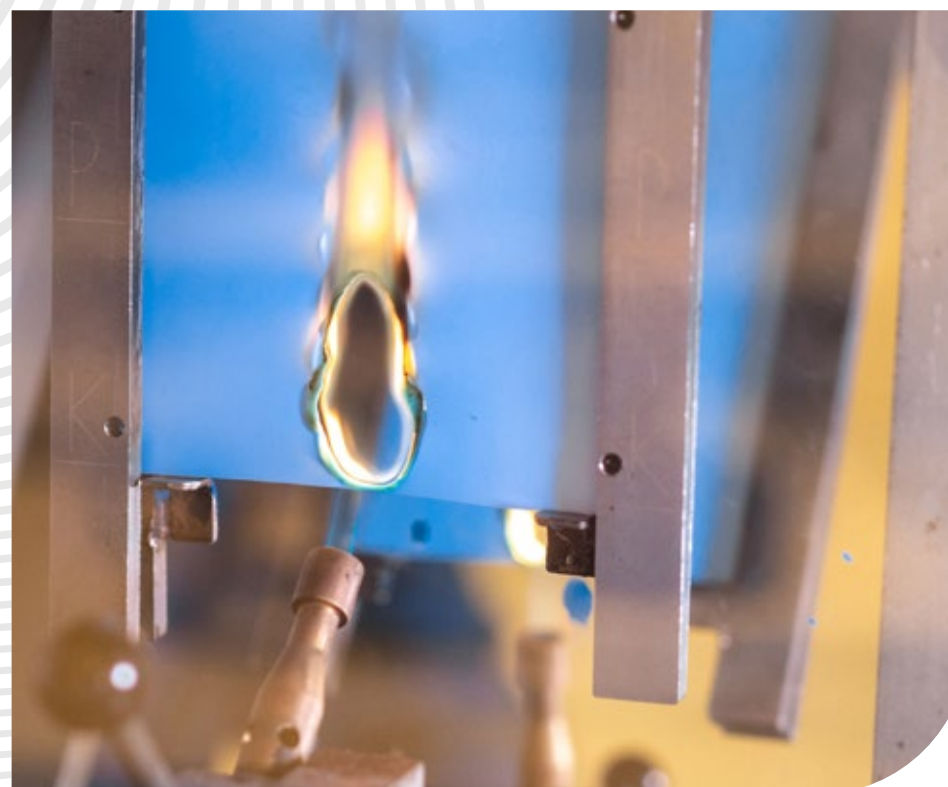
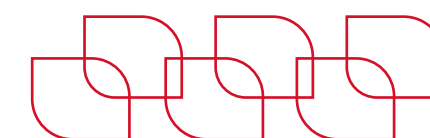




DEVELOPMENT THROUGH QUALITY

## RESEARCH AND DEVELOPMENT LABORATORY

An inseparable element of our company is Research and Technological Laboratory, whose priority is Development of New Technologies, as well as carrying out complex research works and analyses in the scope of determination of physical and chemical parameters, mechanical, processing and user parameters of plastics.



### What we are researching:

- + mechanical properties
- + melt flow index
- + density
- + steam diffusion
- + humidity
- + flame retardant
- + puncture strength
- + water resistance
- + properties after artificial ageing
- + compressive strength

*Quality  
in every micron*



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