

WASTE MANAGEMENT IN SUWAŁKI MUNICIPALITY (POLAND)

ZERO WASTE CHALLENGES AND EFFORTS

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VIMERCATE, SEPTEMBER 2019



SUWAŁKI – CITY IN THE MIDDLE OF NATURE

HOW NOT TO WASTE IT?

COLLECTING AND RECYCLE SYSTEM

- for ca 70 000 citizens
- obligation of recycle
- selective waste collection:
 - paper and cardboards
 - plastic, metal and multimaterial packages
 - glass
 - biowaste
 - mixed waste



COLLECTING AND RECYCLE SYSTEM

Fees for waste management:

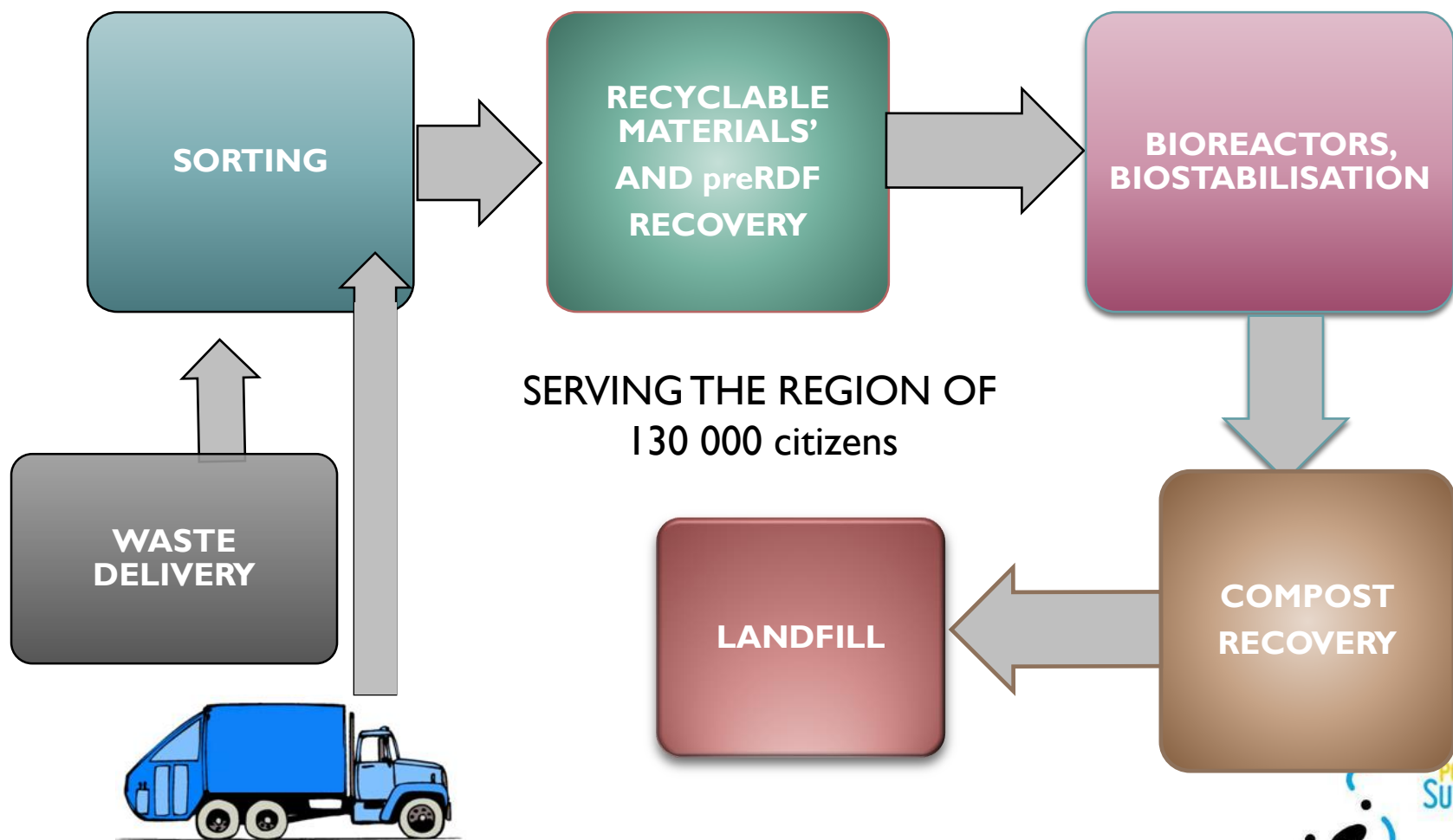
- 6€ monthly per house
(+3€ if not segregated)
- 4,5€ monthly per flat in blocks
(+4,5€ if not segregated)



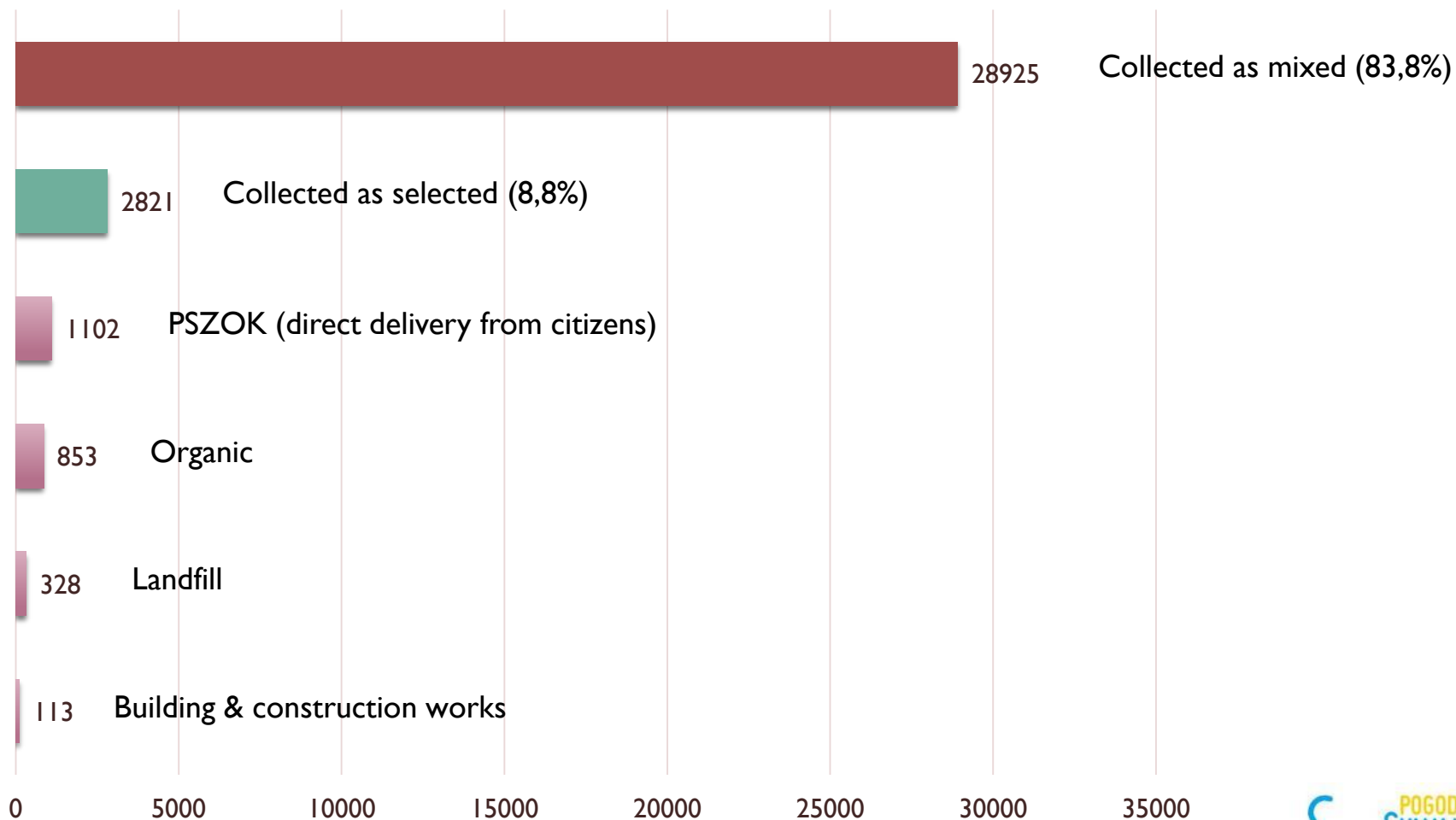
WASTE MANAGEMENT MUNICIPAL COMPANY



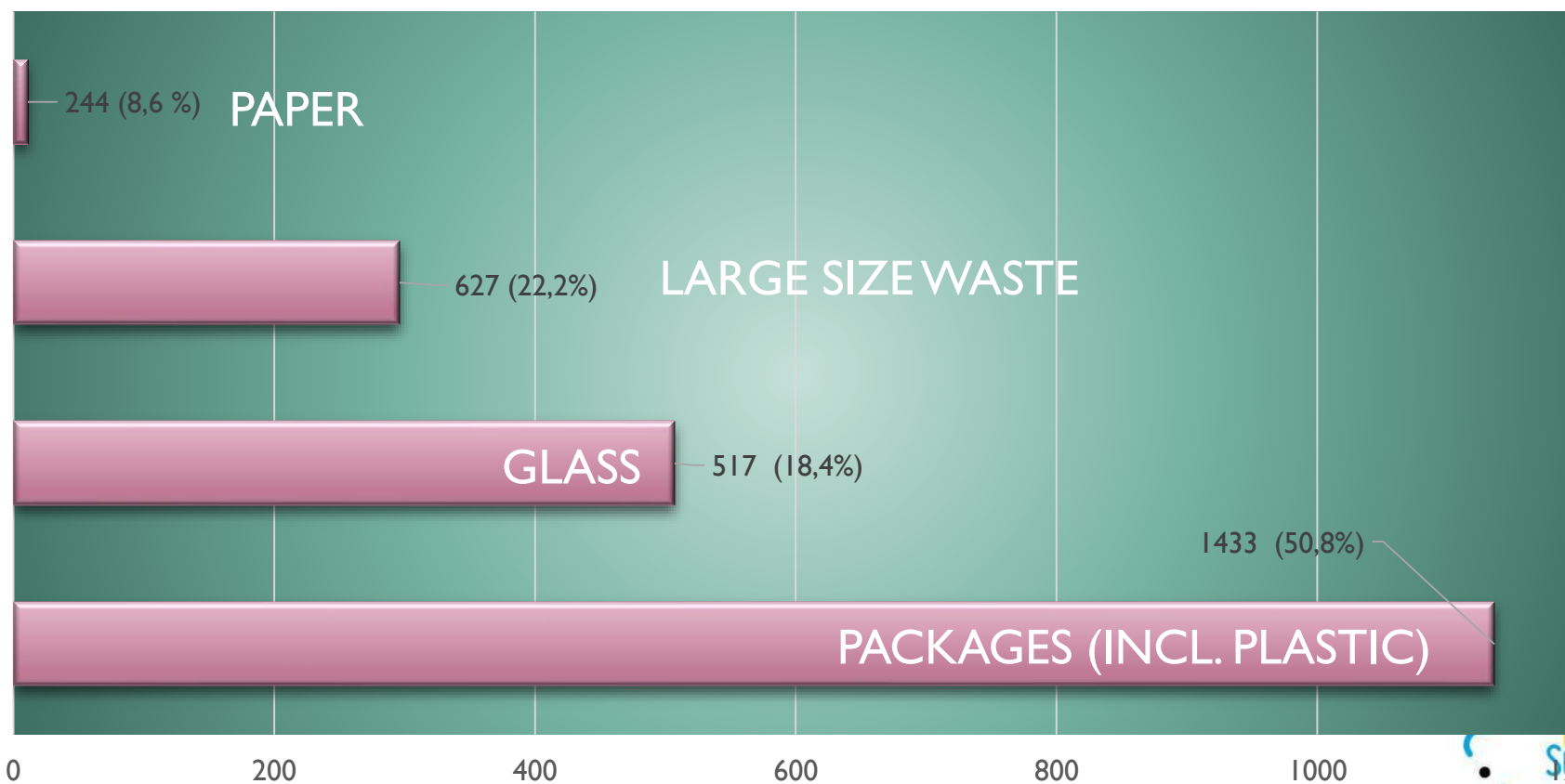
COLLECTING AND RECYCLE SYSTEM



DELIVERY IN 2018: 32 142 TONS



COLLECTED AS SELECTED



SORTING



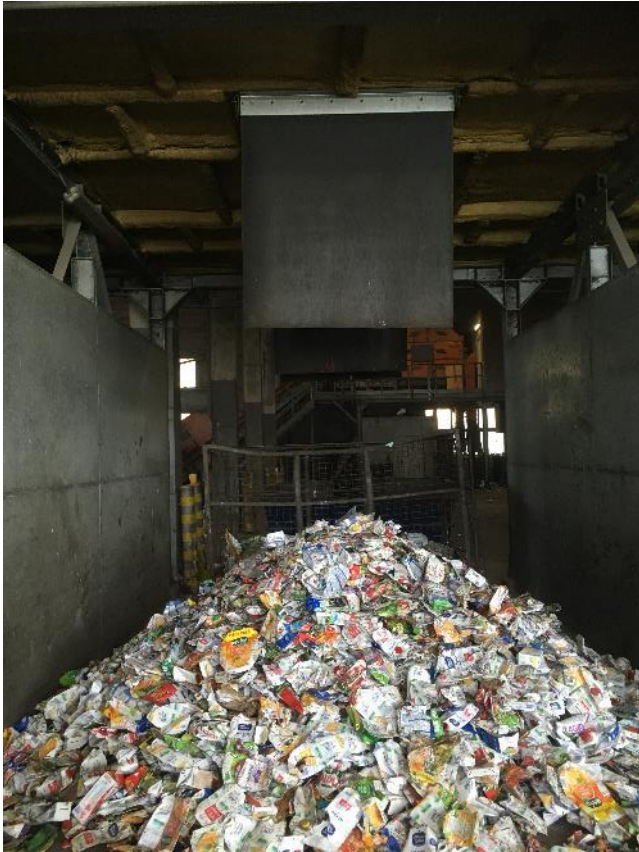
Installation of bio-mechanical communal waste processing

SORTING



Mechanical sorting for better recyclable materials recovery with many specialized devices (separators, sieves, baling press, transmitters).

RECYCLING



Some plastic (PET) or tetrapack are delivered to recycler enterprises.

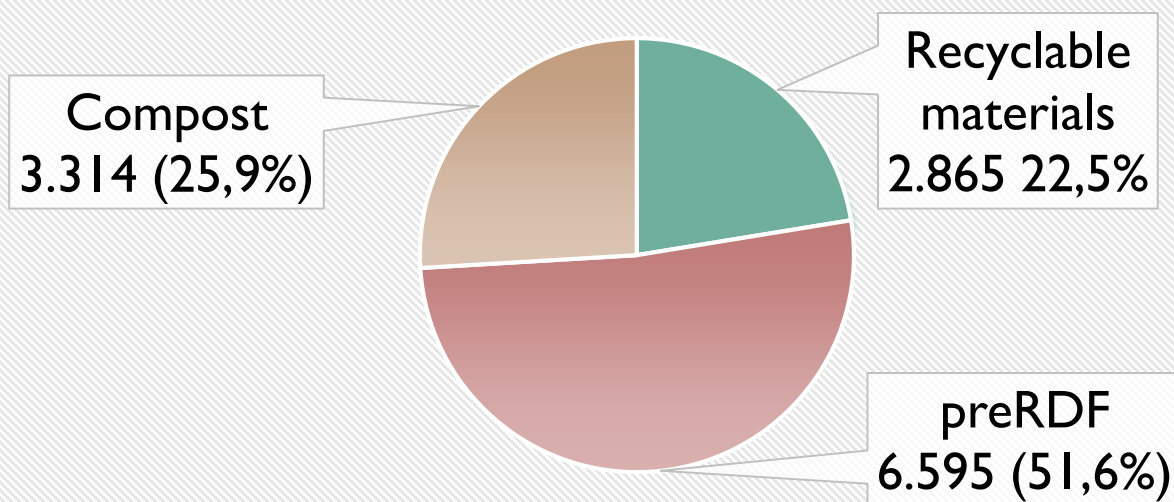
COMPOSTING



Biowaste is a material for compost.

TOTAL RECYCLE FROM WASTE - RESULTS: 12.774 TONS

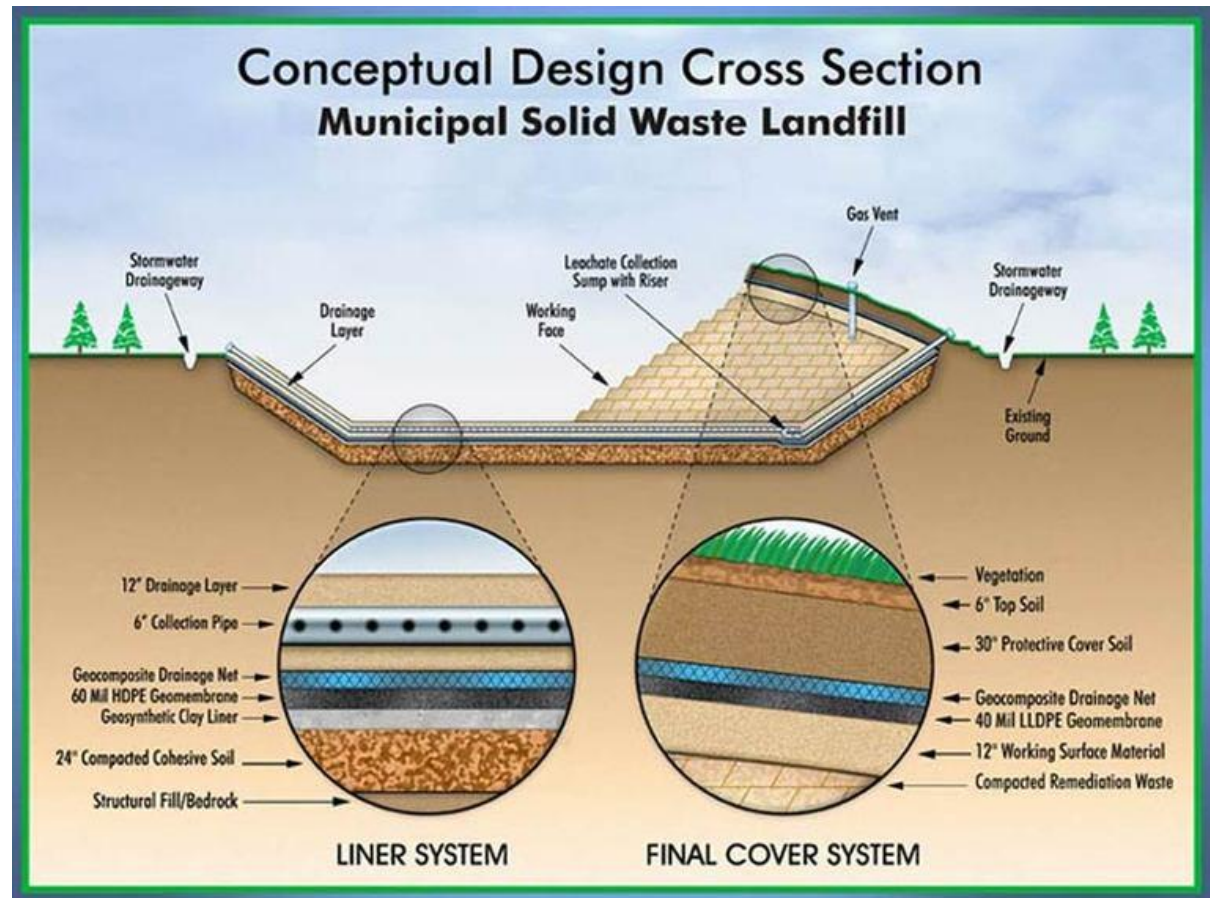
Total waste produced & transferred for reuse (incl. recycling) in 2018



Recyclable materials were delivered to recyclers & for other reuse purposes. **PreRDF** (high calorific material) was delivered to the incinerator for thermal processing (burning)

COMPOST – REUSE AS PROTECTION COVER SOIL

Old landfill will be recultivated so compost is being stored now.



Source: <http://www.projectdataresearch.com>

CHALLENGES

There is still **too much waste without recycle perspectives**, like:

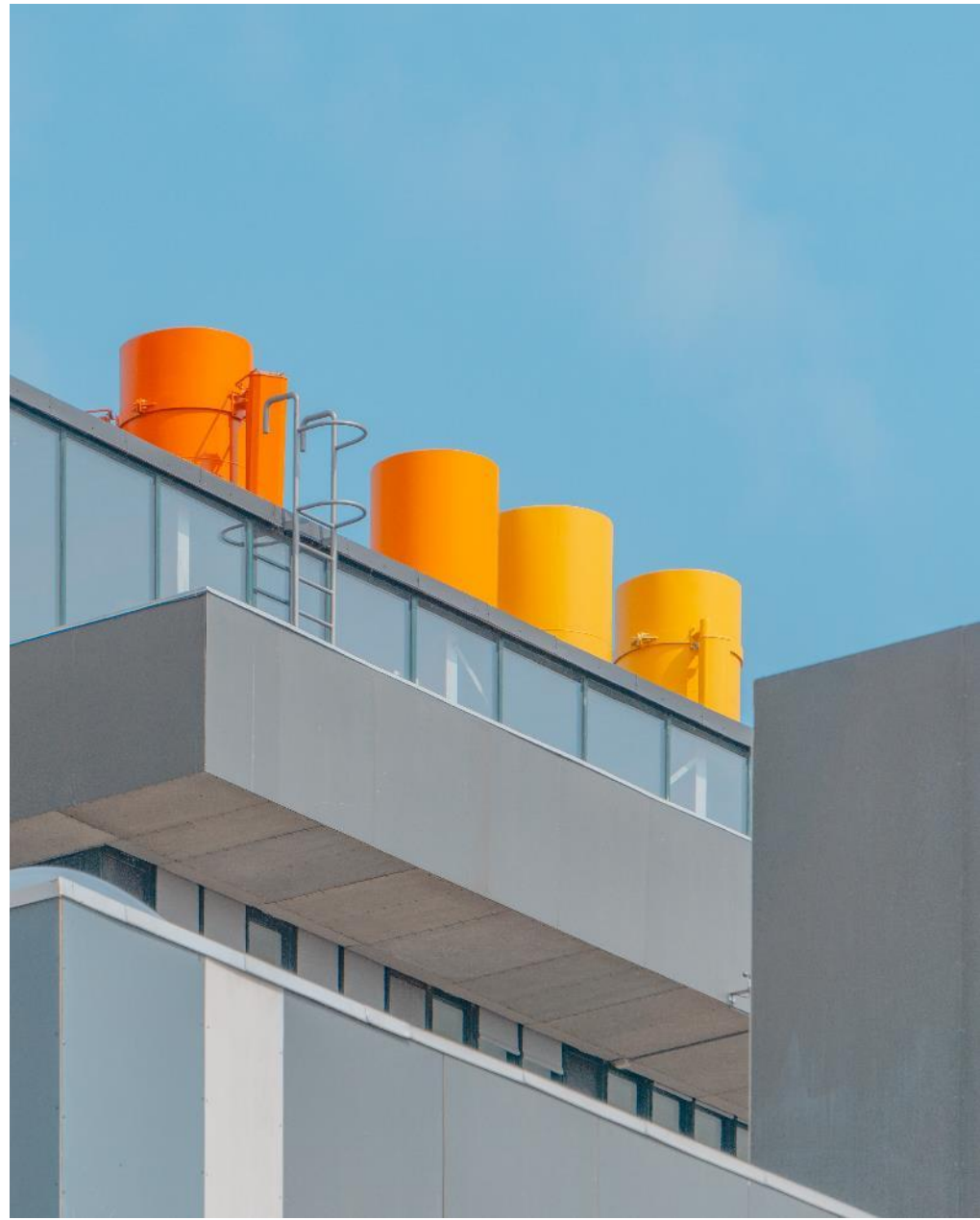
- plastic bags
- plastic cups (yoghurts, fast food meals)



CHALLENGES

There are barriers to build **modern** local „waste-to-heat” installations.

30% of waste is preRDF – potential fuel.





CHALLENGES

HABITS = longlife **education**
leading to wider
environmental sensitivity &
consciousness

3 ZERO WASTE SMART PRACTICES FROM SUWAŁKI CITIZENS



#1 HATS UPCYCLED FROM JUTE BAGS AND WORKWEAR



LESKO FACTORY

Manufacture
for brands like:

ReHats
BERLIN

Headwear but also laptop bags from used tires' rubber, travel bags from canvas and many more...

Design & uniqueness of products.

www.lesko.alpha.pl



#2 WOODEN EYEGASSES FRAMES (INSTEAD OF PLASTIC!)



HELIOS

Wood makes
the frames
environment-
friendly, unique
and fashionable.

www.helioslook.com



#3 SHOPPING BAGS FROM REUSED LIGHT CURTAINS AND BEDDING



Kamila and her friends sew reusable bags. It helps to reduce plastic bag waste in Suwałki landfill.

facebook.com/maskotykamili



**VISIT OUR EXHIBITION
EXPERIENCE RECYCLING
AND GET MORE INFO FROM POLAND**