



GARBAGE TEAM



Smart Green Island Makeathon

BECKHOFF
Industry challenge



PROBLEM

How might we improve the waste life-cycle
and make it more transparent for end
consumers?



SOLUTION



Establish recycling
process



Build a prototype



Design the app

RECYCLING PROCESS



Production of the
packaging



Purchase and consumption
of packaged food



Throw the packaging



Show the process
to the consumer



Recycling of the plastic



IMPACT ON MARKET



Influence on customer
buying behavior

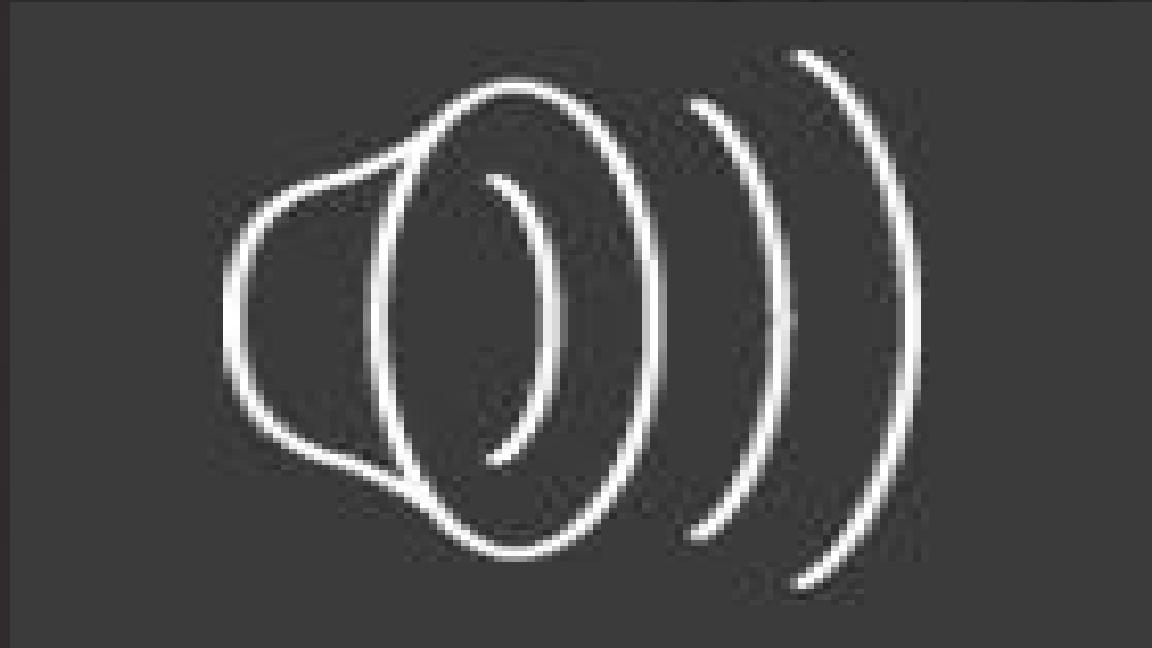
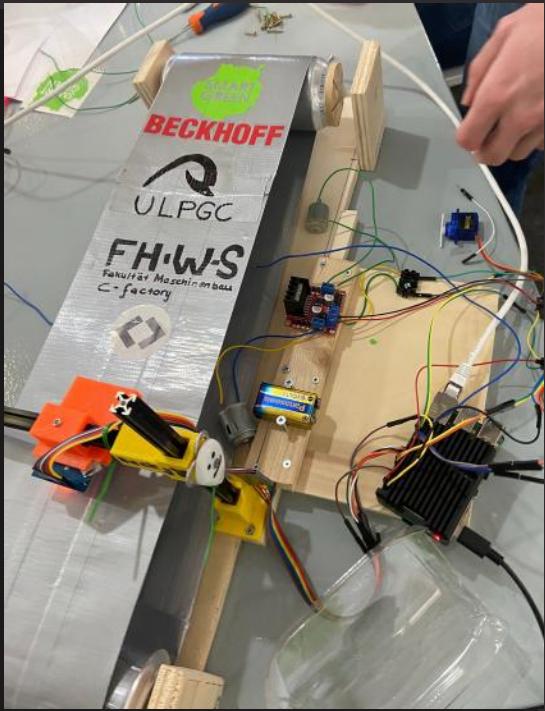


Improve recycling
process

BECKHOFF



PROTOTYPE





APP

- Scan the product code
- Shows the plastic components of the products
- Store the data of the products that the user wants
- Inform the user of the percentage of recycled



NEXT STEPS

1

Improve application development and reward customers for their recycling efforts.

2

Improve the prototype (automation and sorting system).

3

Find other alternatives to the RFID chip and simplify the process



TEAM MEMBERS



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Product
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Industrial
Design
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Lukas
Müller
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Software
Engineering



Thank you for your attention



GARBAGE
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CHALLENGE

Industry challenge for Beckhoff

It consists in the development of a transparent recycling process that allows the consumer to know where the plastic that it generates goes, and how much of it is recycled.