

# Circularity Calculator

Calculate the potential  
**circularity and value  
capture**

of different design strategies

A ResCoM design tool by IDEAL&CO Explore

# What is the Circularity Calculator?

A software tool to compare different design scenarios on circularity and value capture potential.

It calculates and visualizes resource flows and the financial value of closing loops.

The results are captured in indices for overall product circularity, potential value capture, recycled content, and reuse.



# Why use the Circularity Calculator?

If you want to know:

“What are the consequences of changes to our strategy for the circularity of our product?”

“How to create and understand circular proposals without a time-consuming analysis”

“Which components to reuse, remanufacture or recycle to maximize the value of circular flows?”



## **The e-bike example:**

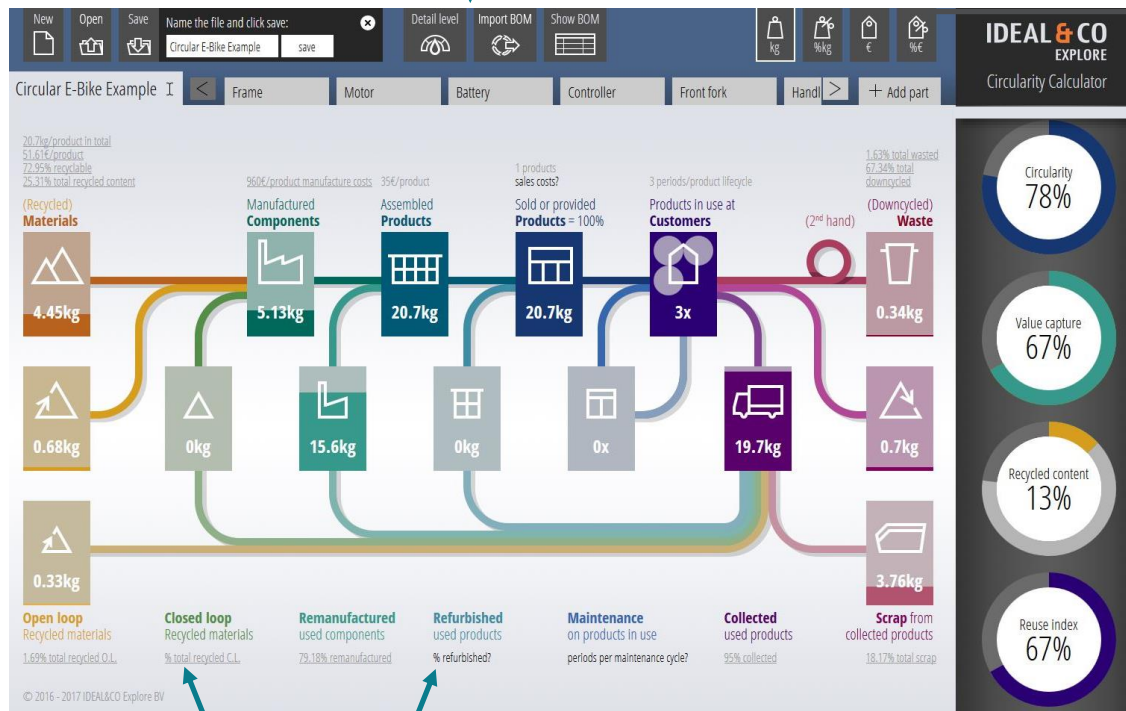
How circular is the e-bike?

What value could we capture via remanufacturing or refurbishment?

# The Circularity Calculator dashboard

1) Choose to analyse at Product or Part level and import BoM data (optionally)

2) Define the costs of materials, production and sales →



View in kg or €

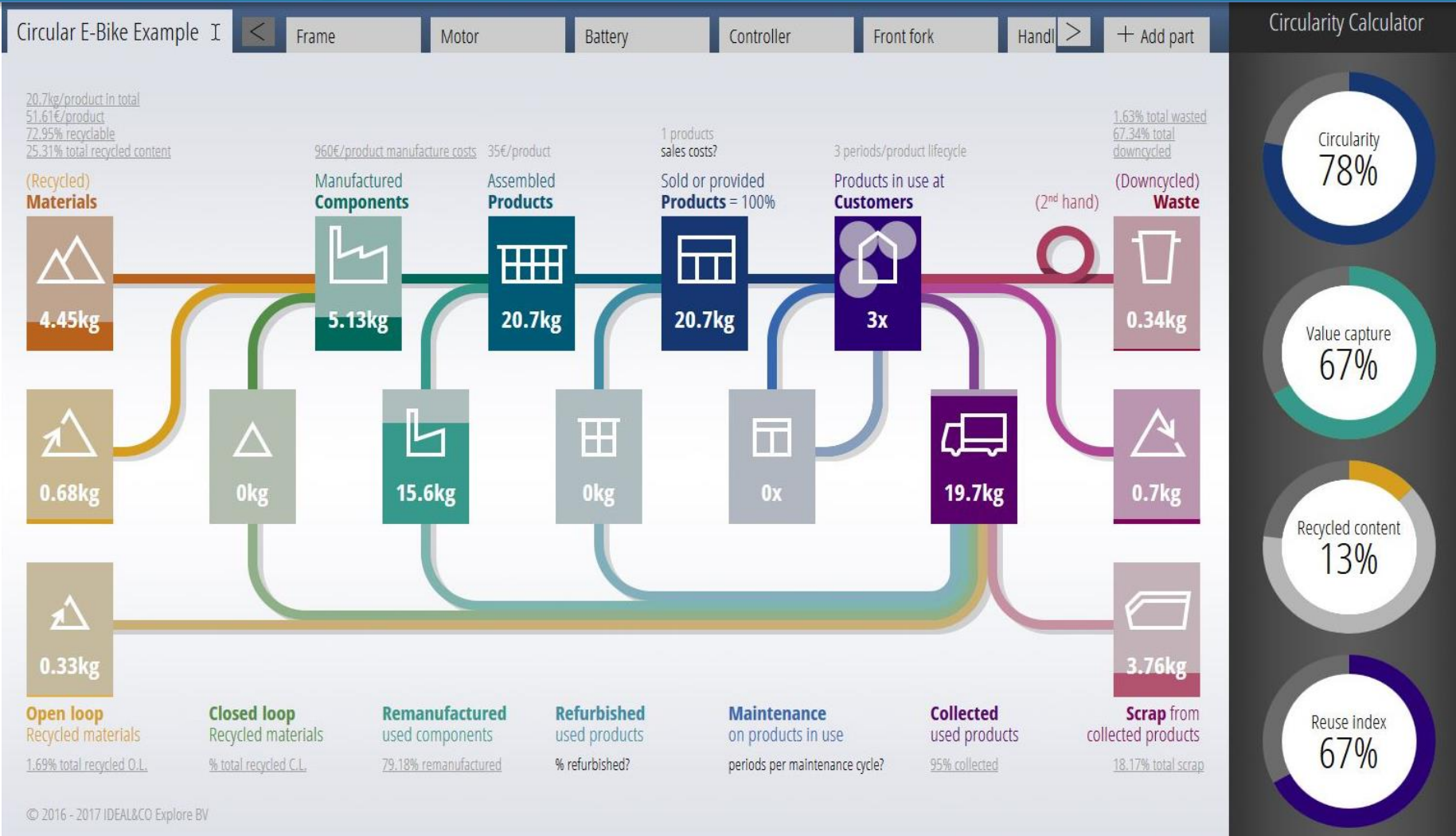
See resource flows throughout the system as you enter data

See the results captured in four performance indices

3) choose what percentage of your product/part enters specific cycles (remanufacturing, refurbishment, recycling)

# Impression of the tool: e-bike example

This remanufacturing scenario captures 78% of materials and 67% of the value from used e-bikes





# Want to try the Circularity Calculator?

We offer:

- workshops to try the tool with one of your products
- online access to the tool
- development of customised versions

For more information, contact:

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