# Car Repair

## Circularity in car repair

## **Challenge Introduction**

When painting a car we produce lots of polluted plastic. Is there another solution instead of using the plastic or is there a solution to reuse the plastic? In the same repair process we replace a lot of parts (e.g. bumpers) because they were damaged or we had to replace because of safety rules. Can we use this amount of waste to make it circular or to use it as a raw material for a new product?

We, ABS Autoherstel, repair about 170.000 cars each year. About 80% will have a spray job so more than 120000 cars will be protected with plastic to avoid spray on the car. Besides this many bumpers are replaced. What can we do with these bumpers to reduce our waste?

# Who is behind this initiative?



**ABS Autoherstel** is an organization where creative talent meets technical talent when it comes to repairing damaged cars of all sorts. ABS is a cooperative organization of 45 member entrepreneurs with 84 locations all over the Netherlands with over 1100 organizational members. More than 170.000 car damages are repaired each year.

The overall customer satisfaction is close to 90% which means quality is key when it comes to repairing the car and approaching the car owner (which might be a private customer but also a lease company). ABS has the ambition to remain a leading organization in the car repair industry and thus innovate constantly, also when it comes to sustainability. During the challenge you will work with **Nico Stolk** and other ABS colleagues.



### What is the Car Repair challenge?

We produce in our car spraying department a lot of polluted plastic. Every car needs a cover because otherwise there will be spray paint on every part of the car. That needs to be removed and takes a lot of time. Is there another solution possible to reduce this amount of waste? Moreover, we replace many bumpers each year. We think this is a great car part to reuse or we should use the bumpers as raw material for a new product.

### Let us change a repair into a circularity.

Some challenges you may want to work on:

- How to make the repair more circular?
- How to reduce the use of plastic?
- What to do with the polluted materials?



#### Relevant considerations for the challenge / theme:

Solutions are suitable for the ABS company but could also be used in the total car industry. The ABS colleagues are close by during the exploration of the challenge.



