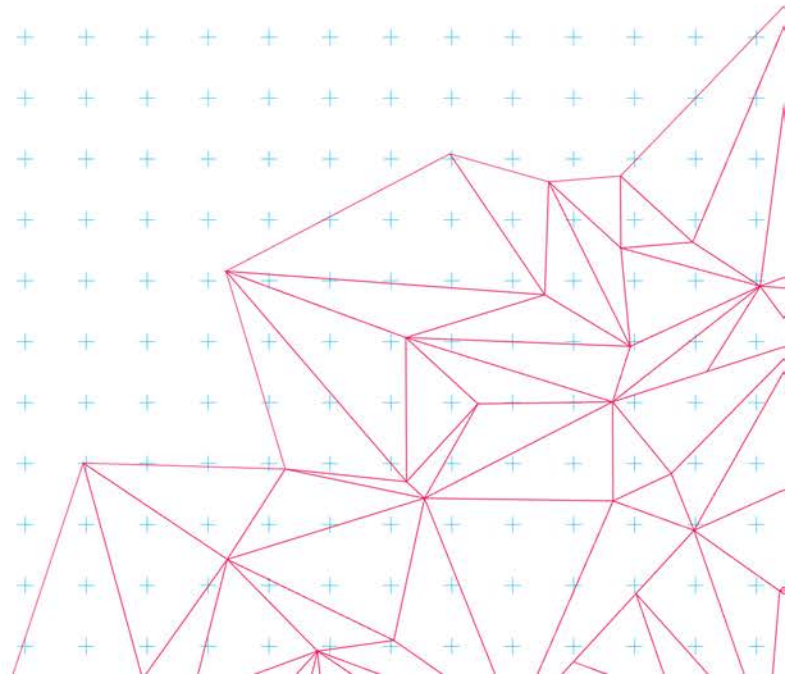


Challenge name	<i>From plastic waste to technical and economic value</i>
Challenge owner	<i>Mikrocentrum</i>
	<i>x Company</i> <input type="checkbox"/> <i>Research</i> <input type="checkbox"/> <i>Student team</i>
	<i>Maarten Roos</i>
Brief summary	

### About the challenge owner

*My name is Maarten Roos and I am the manager of the Mikrocentrum High Tech Platform.. This is a network of 600 high tech and manufacturing companies. Most of these companies are based in The Netherlands. As challenge owner, I can connect you to various companies which could potentially help you finding solutions for your challenge.*



## Challenge description

A lot of plastic is still processed within the manufacturing industry. Companies within this industry are gaining more and more knowledge about recycling and are working on decreasing the amount of waste. However, it doesn't matter if you are an extruder, injection molder or vacuum former, the recycling of technical plastics is a difficult job. Some plastics do not lend themselves for recycling. In some product parts, recycled plastic isn't allowed to use and sometimes manufactures do not have the knowledge how to process waste into recycled plastic.

The challenge is therefore: what is possible with (technical) plastic waste when located at the manufacturer? The waste stream can be extremely valuable, but how?

*What is the overall goal you aim to achieve—*  
Less waste and more recycling for a better and cleaner world

*Explain whether something already exists that students will build on—*  
There is knowledge available in literature.

## Challenge Picture

Please add a picture that relates to the project

## Input and involvement of challenge owner

The challenge owner is the Mikrocentrum High Tech Platform, but you will work with multiple companies in this challenge. Think of injection moulders, plastic suppliers, design agencies,...

## Resources

What resources are necessary for the students to work on the challenge?

What resources do you offer to students?

Expertise; ...

Materials; ...

Workplace; ...

Other; possibly machines (injection moulding machines)

