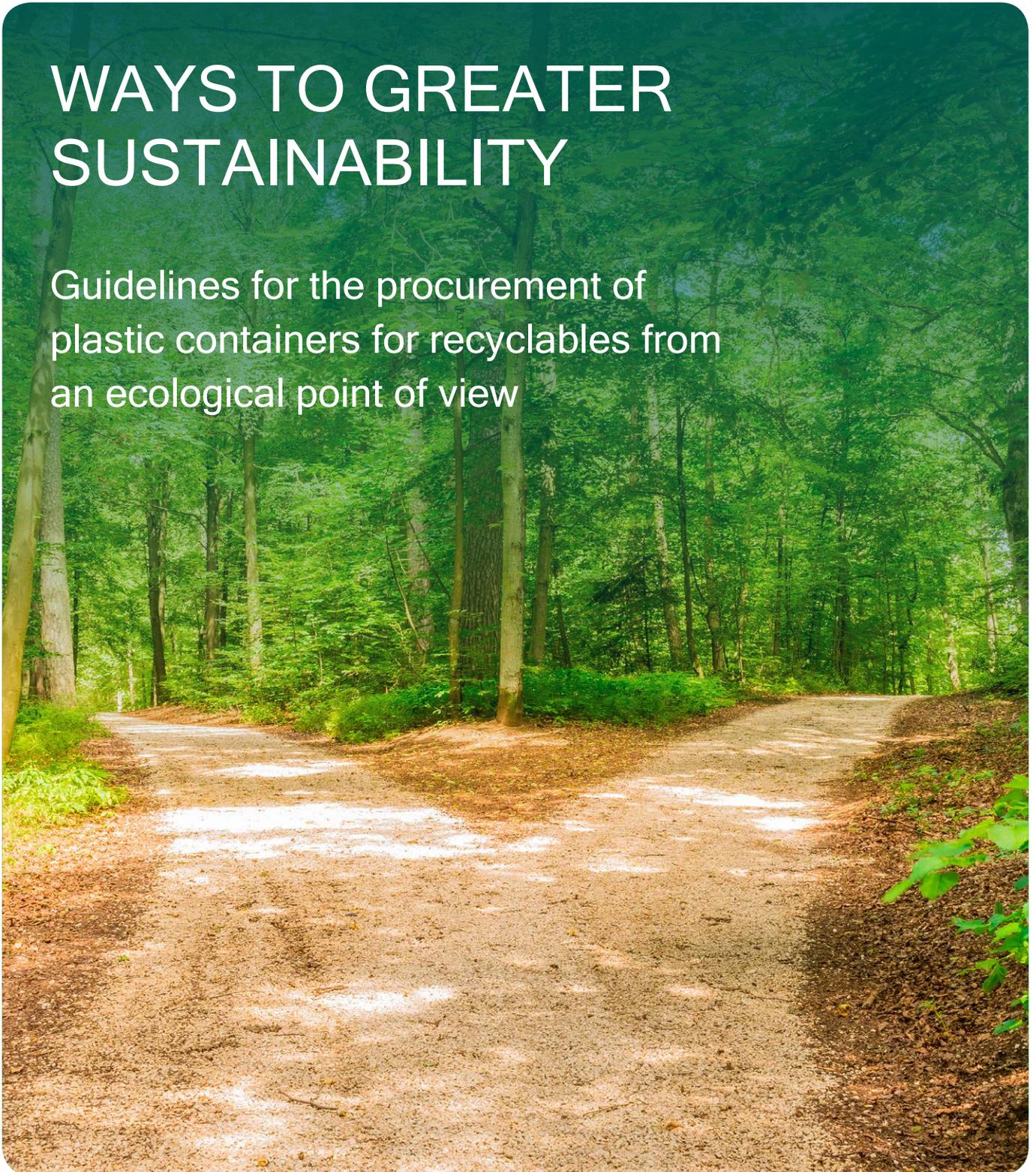


WAYS TO GREATER SUSTAINABILITY

Guidelines for the procurement of
plastic containers for recyclables from
an ecological point of view



IF WE DON'T START WITH OUR WASTE WHERE DO WE START?

SUSTAINABLE PROCUREMENT BEGINS WITH WASTE!

The basic criteria of public procurement law comprise objectivity, non-discrimination, equality of treatment and transparency. Where sustainable procurement is required, higher costs are permissible if the environmentally friendly product achieves the environmental protection objectives (Article 20 a GG) required by the State.

Public contracting authorities are under a duty to take sustainability aspects into account at the same time as the basic budgetary principle of cost-effectiveness and economy. In addition, quality and compliance with the standards in force play an important role. Furthermore, since more and more private purchasers demand greater sustainability in the procurement of their goods, ESE has for many years been seeking to improve the use of recycled materials - with great success!

PRODUCT DEVELOPMENT FOR GREATER SUSTAINABILITY

ESE aims for sustainability from the design stage on. Optimized product design takes use of material, transport and stackability optimization into account, together with long life. In this way, minimization of resource consumption and emissions are decisively influenced at the same time.

THE DIFFERENCE LIES IN THE MATERIAL

HDPE, the principal material of our plastic bins, is made from crude oil. This sought-after resource leads to much social and political imbalance and to economic dependency. Thus conservation of resources far outstrips environmental protection.

BECAUSE WE CAN!

With decades of experience in dealing with recycled plastic, ESE has the know-how to produce waste and recyclables containers from up to 100% recycled material. This achieves 100% savings of crude oil and the containers attain a good Life Cycle Assessment score.

If all the waste bins of the 40 million or so households in Germany were stood together in one place, they would cover an area of about 40 km². The equivalent of 5,600 football pitches. If all those waste bins were made from recycled plastic, greenhouse gas emissions would be reduced by about 1.1 million tonnes of CO₂ and Germany would take a great stride nearer its environmental objectives.

There is no reason why containers for collecting materials for recycling should not be made of recycled materials themselves. Because ESE's containers made of recycled plastics pass not only all current quality tests, but also in-house tests developed to test material failure. The guillotine test, for example, simulates total deformation of the container with the requirement that the material must not tear. And we manage that all right!



Test passed no tears no fractures!



Test failed

4 ROUTES TO SUSTAINABLE PROCUREMENT

1. Bins made of up to 100% recycled material. Fraction identification by clips or coloured lids.
2. Bins bearing the "Blue Angel" environmental label, made of minimum 80% EuCertPlast recycled plastics. Fraction identification by clips or coloured lids.
3. Bins made of recycled plastics in defined darker recycling colours. Also possible using EuCertPlast certified plastics with the Blue Angel.
4. All bins made from new plastics can also be obtained climate-neutral with a CO₂ certificate according to the recognized Gold Standard. The Gold Standard is the highest quality standard in carbon compensation projects. It was developed under the direction of the WWF and in collaboration with the German Federal Environment Ministry.

ESE HAS UNDERTAKEN AN ATTESTED OBLIGATION TO SUSTAINABILITY AND PASSES ON THE BENEFITS TO YOUR COMPANY.

MULTIPLE RECYCLING - A MYTH NO LONGER

Science graduates at ESE's testing and experimental centre are currently working on the multiple re-use of recycled plastics - with amazing results. To date, it has been shown that under certain conditions HDPE can be ground and reprocessed 10 times with no loss of quality - a material circuit that ensures that the material could last 150 to 200 years.

But how do we manage to refute the myth of recycled plastics being poorer in quality than products made from new material? We can prove it! All bins that leave the ESE factory carry the most demanding quality guarantee: the RAL quality label. And since 2016, ESE as the first manufacturer of plastic waste and recyclables containers, has had the right to stamp the environmental seal "Blue Angel - made from recycled plastic" on its waste bins. Currently only the Blue Angel label proves a share of minimum 80% recycled plastics.



www.blauer-engel.de/uz30a



ESE - WE VALUE YOUR RECYCLABLES



KERBSIDE SYSTEMS
MOBILE CONTAINERS FOR
WASTE AND RECYCLABLES



BRING SYSTEMS
(SEMI-) UNDERGROUND SYSTEMS
COLLECTION BANKS



BIO SELECT LINE
CONTAINERS AND COMPOSTERS
FOR GARDEN AND BIO WASTE



HAZARDOUS WASTE CONTAINERS
MOBILE FUEL CONTAINERS
MOBILE OIL CHANGE UNITS



PUBLIC FURNISHING
BINS FOR THE PUBLIC SPACE



CONTAINER MANAGEMENT
DISTRIBUTION, REGISTRATION,
COLLECTION AND RECYCLING

ESE is Europe's leading manufacturer of temporary storage solutions for waste and recyclables. Our comprehensive range of products is complemented by a full service offer from container management to the recycling of products at the end of their lifetime. Specialists in all departments develop solutions to meet our customers' requirements. In doing so, we follow the principle of highest possible sustainability from product development and production to transport.