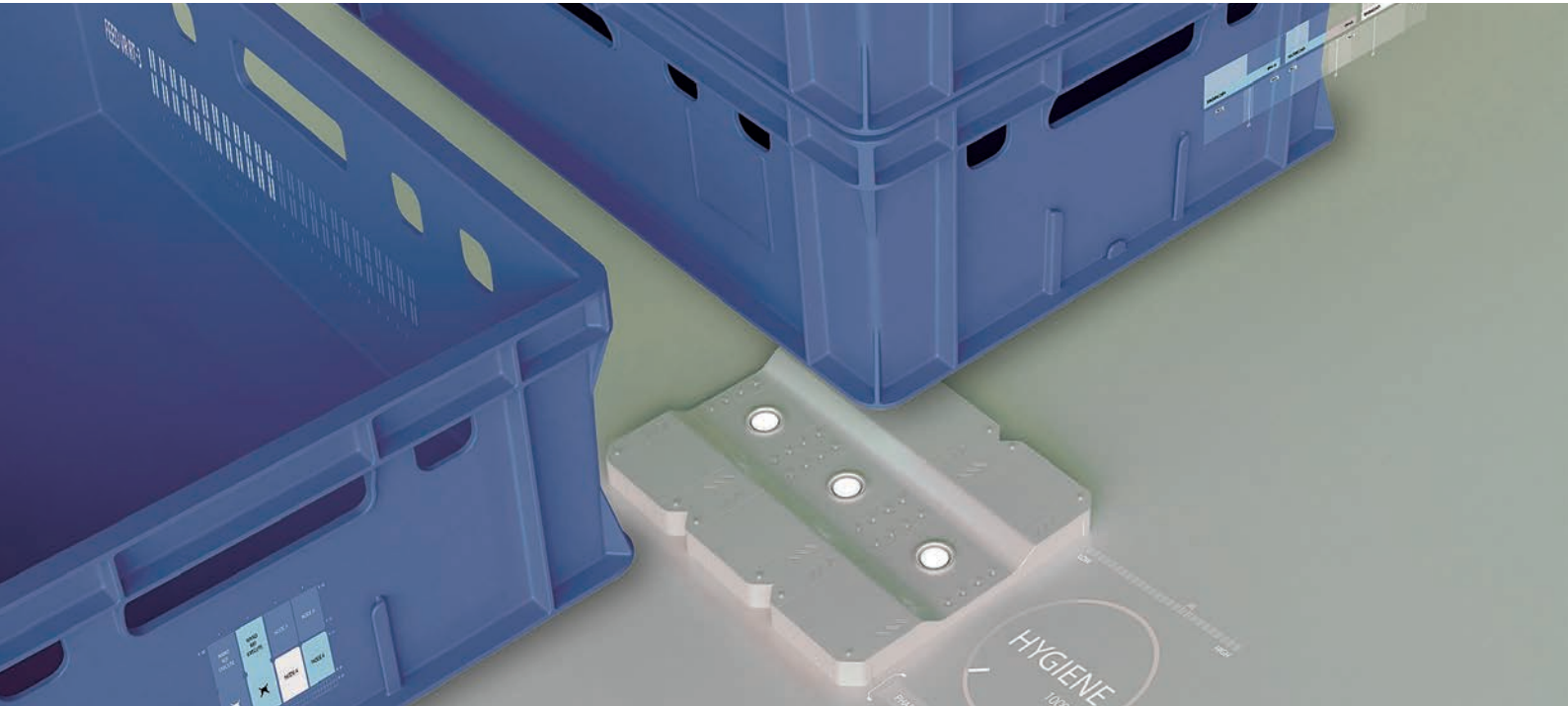


*clever – creative – sustainable – smart*



## **Products made of detectable plastic**

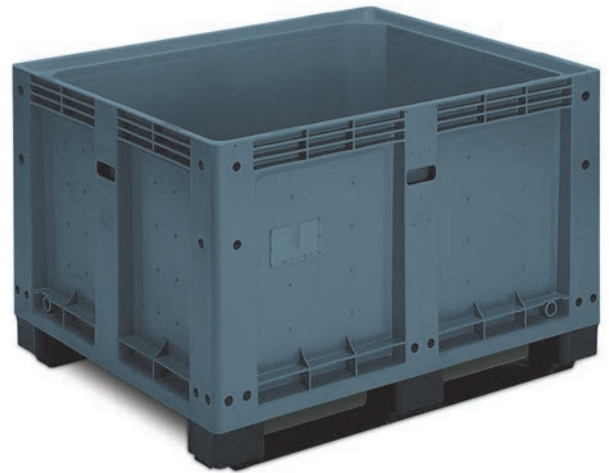


### «Visible» Material

The entire food-processing industry usually uses reusable plastic containers for its packaging, storage and transport.

To meet the very strict hygiene requirements, Utz containers can also be made of detectable plastic. The addition of iron oxide to the plastic facilitates the detection of plastic splinters or abrasive particles by means of metal detectors in the production process.

In a worst-case scenario, mechanical stress may result in splintering during packaging, e.g. during transport, reloading or automated transportation. Due to the detectable material, the resulting contamination can be quickly determined with the corresponding detectors.



### Mechanical properties

In terms of load capacity and impact strength, containers consisting of detectable material have values comparable to those of polypropylene without added iron oxide.

### Identification and RFID labels

In principle, all labelling types offered by Utz can also be used with detectable material. The only restriction: only UHF RFID labels can be used for error-free reading.

### Colours

The addition of iron oxide to the base material causes the material to turn dark. This facilitates various shades of grey.

