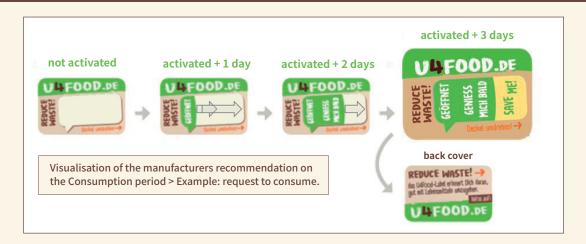


APPLICATION EXAMPLE

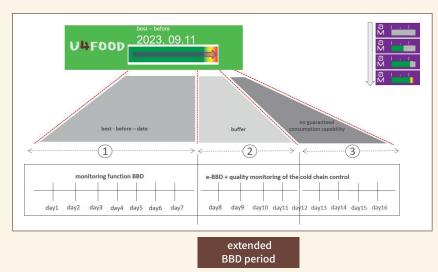
WHAT VOTES FOR THE APPLICATION OF OUR PAPER-THIN U4FOOD SMART LABEL FOR CHILLED PRODUCTS!

Your refrigerated products automatically adjust the opening time. This avoids uncertainties in quality understanding and waste.

OPENING TIME CONTROL (AVAILABLE FOR IMMEDIATE ORDER)



DYNAMIC BEST BEFORE DATE (RESERVE NOW)





CONSUMPTION SAFETY WITH THE HELP OF A DYNAMIC OPENING WINDOW







APPLICATION EXAMPLES - APPLICATION FOR ALMOST ALL CHILLED PRODUCTS (BEVERAGES, DELICATESSEN, CHEESE, ETC.)

WHAT IS TRIGGERED DURING USE:

- Extension of the opening time / BBD through optimal cooling by several days possible
- · Shelf life displayed independently by sensor, from extension to shortening
- · Dynamic and direct communication from the product to the consumer
- · Interpretation-free info with challenge character
- Visual signals with sequential multiple information, scaling or codes
- Learning effect on sustainability and-Foodsaving

Consumption recommendation & best-before date: Dynamic extension or shortening, depending on the refrigeration situation!



WHAT HAPPENS ON THE TRANSPORT, IN THE RETAIL AND WHAT HAPPENS AT HOME:

- · Closing the supply chain in cold chain monitoring and in product safety
- Supports resource conservation in the industry, the sustainability efforts of government, industry, trade & consumers
- · Provides assurance on product quality
- Educates consumers in the understanding of consumption
- Educates consumers in personal consumer behaviour towards freshness and consumption
- · Placement on and in the packaging, direct food contact possible
- Activation automatic or manual, depending on requirements or use
- · Image enhancement & product differentiation
- Correction of shelf life and consumption perceptions
 - (a) Consumption recommendation
 - (b) Best before date
 - (c) Expiry date

Problem avoidance instead of problem solving!

Functional & informational links with:

Coupling: 1. QR Code und Augmented Reality.

2. NFC and RFID for information transfer into the digital world.

German Institute confirmation of DIN SPEC project "Opening Time Monitoring" for market DIN

for Standardisation: standard definition.

Roll production: transition successful, target prices reached, ready for mass market &

several million / day producible.

Contribution to sustainability: reduce food waste and packaging waste.

Market entry: 2nd HY 2023, (1.) opening time support (2.) dynamic BBD.

Other sectors: pharmaceuticals & chemicals, logistics, security printing, promotion...

