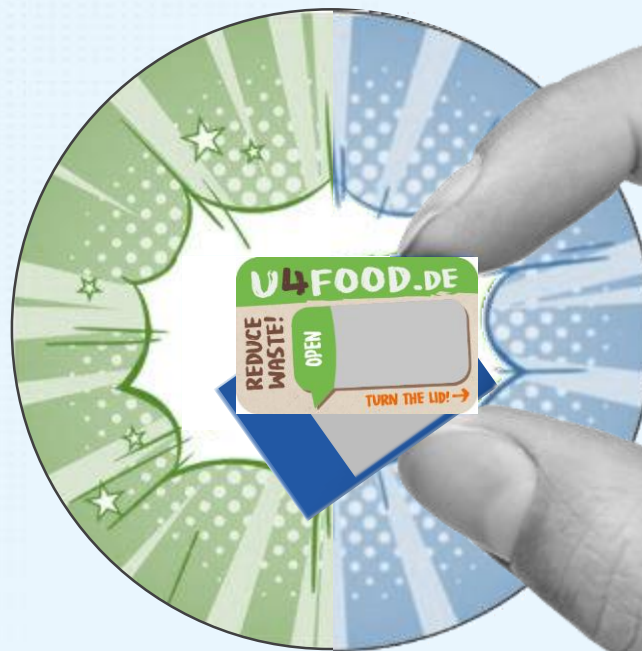


# PolyTaksys

## SMART LABEL TECHNOLOGY

### OPEN MONITOR

Use cases



open   
Monitor



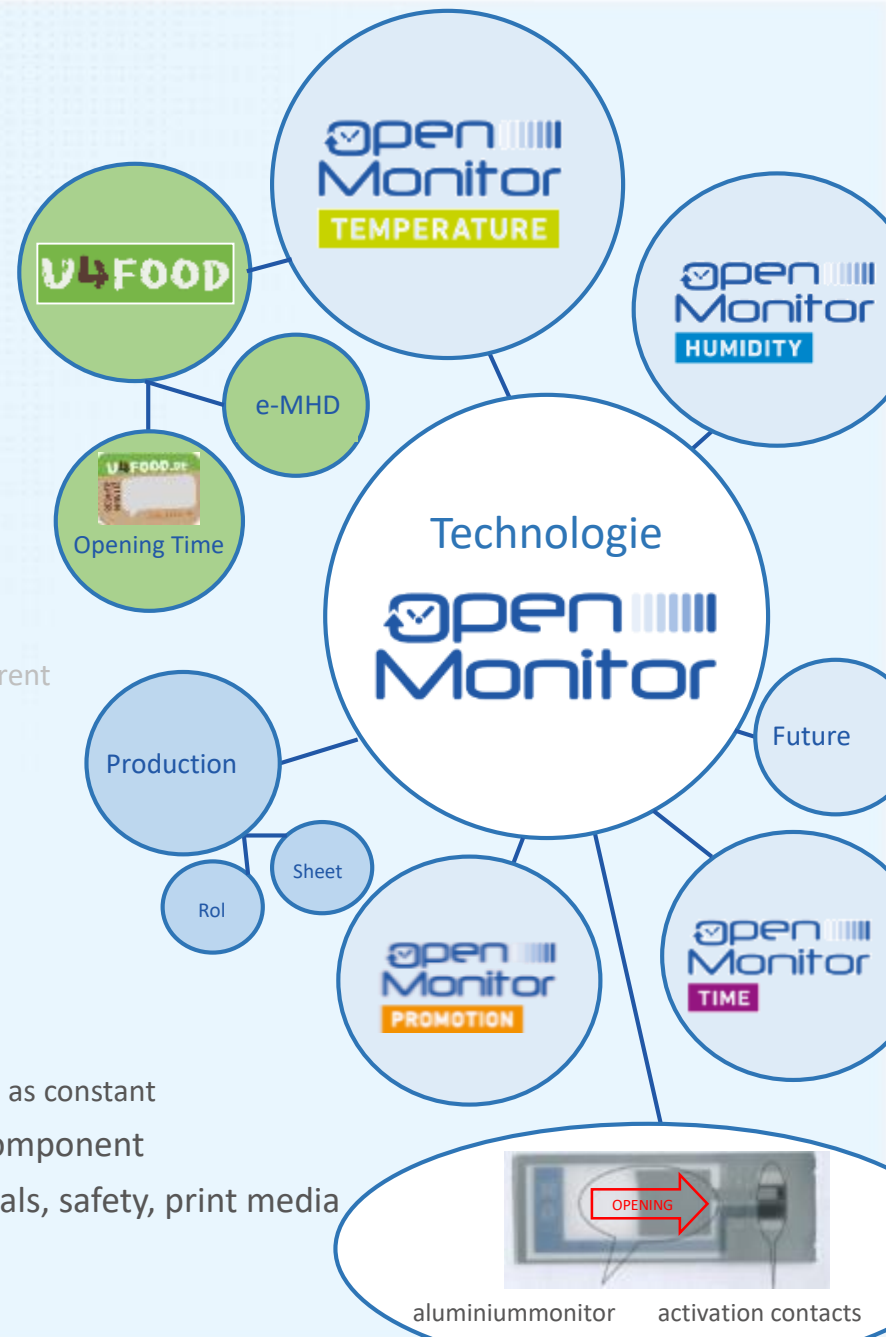
# TECHNOLOGY- OPEN MONITOR.

## The electronic nanofilm processor

- Intelligent Smart Labels
- Self-writing effect = central function
- Lateral oxidation principle = aluminum neutralized, layer becomes transparent
- Self-sustaining processor = without any battery
- Patented

## Performance & Use

- Sensory functions
- Exposure of individual information
  - Dependent on environmental conditions or defined as constant
- To be dispensed or as an integrative packaging component
- Fields: food, beverages, pharmaceuticals, chemicals, safety, print media





# TECHNOLOGY + SENSORS OPEN MONITOR.

What is in a label with Open Monitor technology?

The electronic nanofilm processor

Sensoric functions

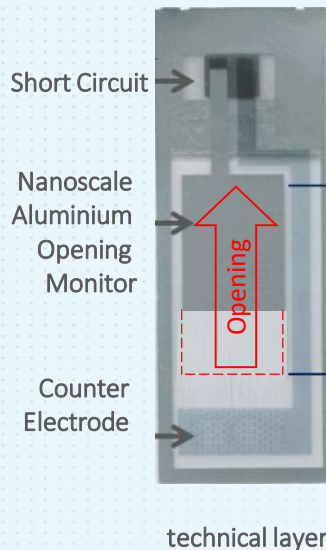
+



Bridges to  
digitalization



variable linking options



+

“Temperature”

Works with

← temperature in correlation with the time factor

+

“Humidity”

Works with

← humidity thresholds and in correlation with the time factor

+

“Time”

Works as

← encapsulated system analogous to a clock, independent of external influences

+

“Promotion”

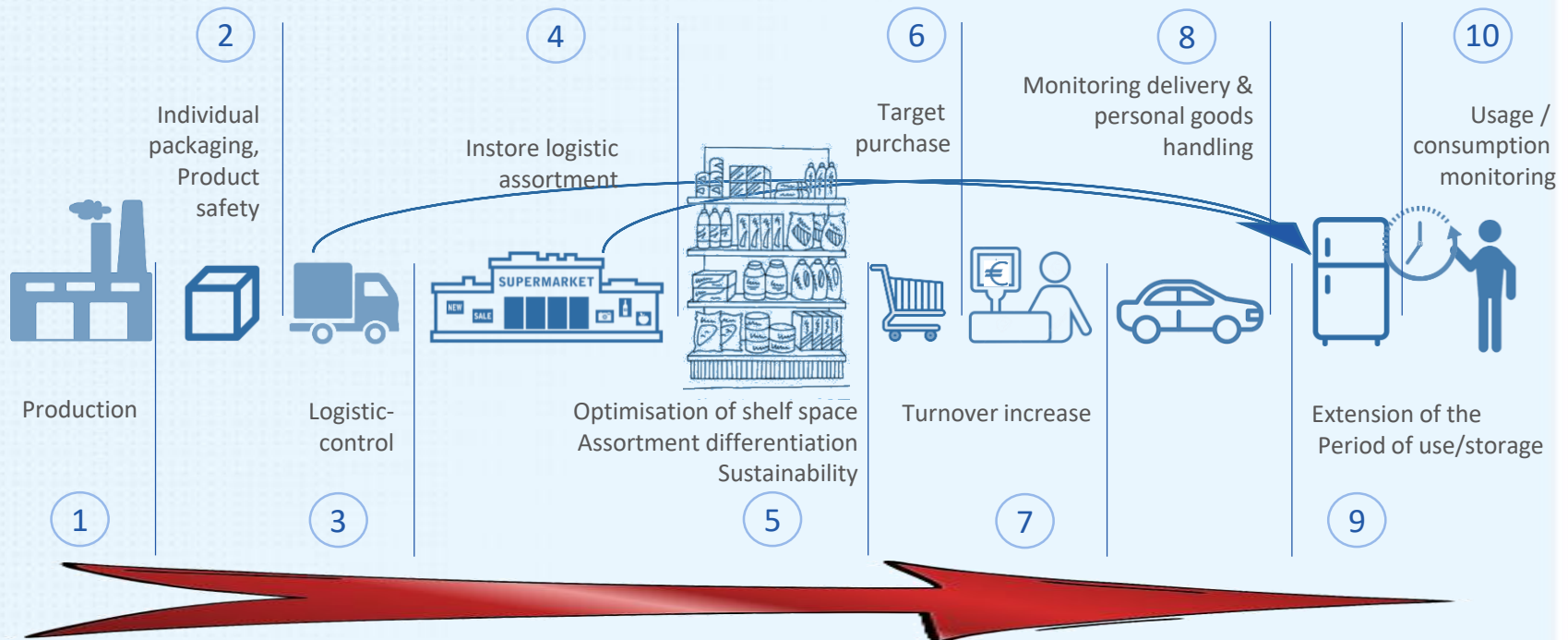
Uses

← environmental influences for its own dynamic



# OPEN MONITOR TECHNOLOGY – WHAT IT DOES.

## CREATING PRODUCT SAFETY IN THE PROCESS AND SUPPLY CHAIN



# WE DETECT FOR YOU



# TEMPERATURE SAFETY & CAUSE IDENTIFICATION



# ORIGINATOR IDENTIFICATION - OPEN MONITOR.

## “COOPERATION FOREIGN TECHNOLOGY & OPEN MONITOR”

Temperature detection with originator identification via OPEN MONITOR.

Availability of different Temperature-Measurement Requirements

### Used for:

- Values from 0°C or e.g. 50°C → threshold values & starting point OM technology.
  - Available 2023: Values of 40°C, 50°C, 60°C, 70°C.
  - Available 2024: Values below 40°C, especially 0-25°C.

### A connection with Open Monitor shows the cause of the temperature threshold

- Answering damage questions: Whether / How long / Who was the originator?

## Partner Technology & Open Monitor - Temperature-Measurement & the “originator pays” principle

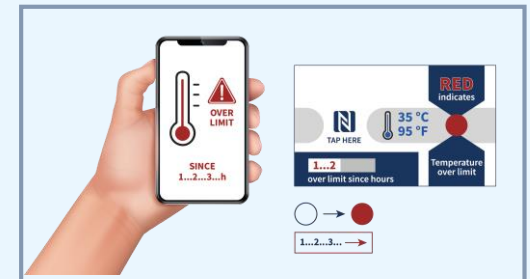
Optimal storage and transport temperatures are defined.

Producer indicates the exact risk temperature, to be used as threshold.

### Function:

- Threshold temperature sensor (analogue to a thermometer)
- + Time control of threshold exceedance in hours (OM visualization)
- + direct connection with RFID chip
- = make information digitally available

Bridges  
to  
Digitalization



Open Monitor activation by temperature rise, visualizing the originator exceeding the threshold. → Damage settlement !

\*) TTI = Time-Temperature-Indicator

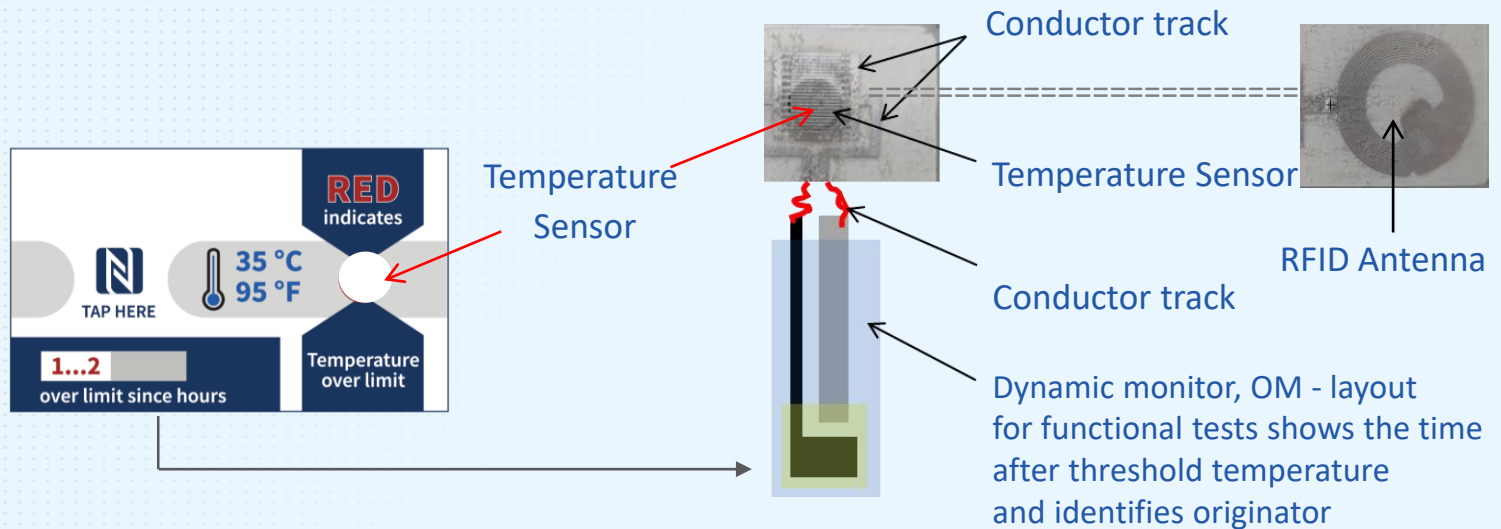


# TEMPERATURE DETECTION WITH OPEN MONITOR.

“COOPERATION FOREIGN TECHNOLOGY & OPEN MONITOR”

Different Temperature-Measurement Requirements

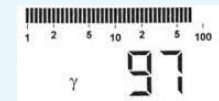
Working principle



1. Threshold measurement & triggering



2. Dose indication & causation



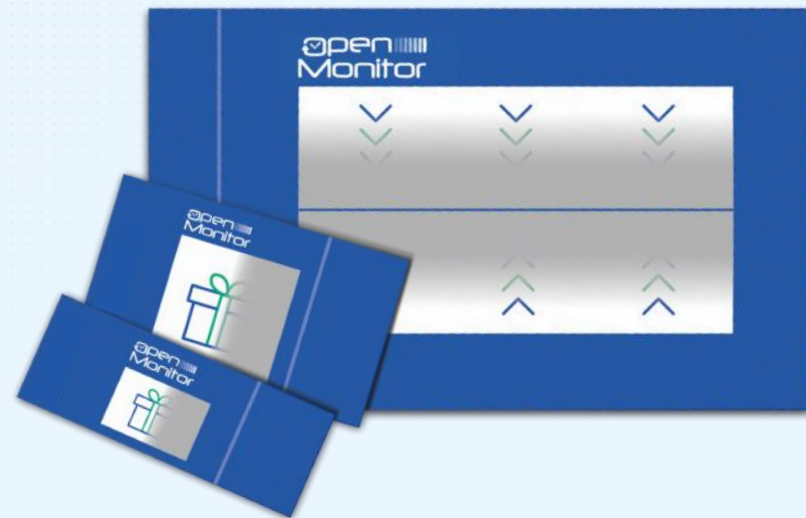


# STARTING INTO A NEW ERA WITH OPEN MONITOR.

## Contact

PolyTaksys GmbH  
Im Paesch 11 a  
54340 Longuich

Mail: [info@openmonitor.de](mailto:info@openmonitor.de)  
Phone: +49 (0) 6502 93086 20  
Website: [www.openmonitor.de](http://www.openmonitor.de)







## **Information when collecting personal data**

Duty to inform about data collection according to DSGVO Art. 13

The personal data specified in this pre-contractual document, in particular name, telephone number, e-mail address, which are necessary and necessary for the sole purpose of carrying out the resulting contractual relationship, shall be levied on the basis of statutory authorizations. Passing on this personal data to third parties requires prior written consent from the person concerned. Storage takes place only until the expiration of all legal storage and proof obligations. Rights of the data subject: Information, correction, deletion and blocking, right of objection in accordance with § 34 BDSG you as a data subject at any time information about what data about your person were saved.

In accordance with § 35 BDSG you can at any time request the correction, deletion and blocking of individual personal data. In addition, you can make use of your right of objection at any time without stating reasons and amend or revoke the given declaration of consent with effect for the future. You can submit the cancellation either by post, by e-mail or by fax to the contracting party. You will incur no other costs than the postage costs or the transmission costs according to the existing base rates.

## **Additive**

Logos & brand names on the pictures in this presentation are for illustration purposes only. There is no compelling cooperation with the respective company listed.

The listed Open Monitor products are protected by patent. The ideas and concepts presented in this presentation are the intellectual property of: PolyTaksys GmbH • Im Paesch 11 a • 54340 Longuich • Germany

Without consent, any takeover for duplication and for advertising purposes - including individual proposals - is inadmissible.