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REAL-WORLD PROJECTS

oh22information services GmbH

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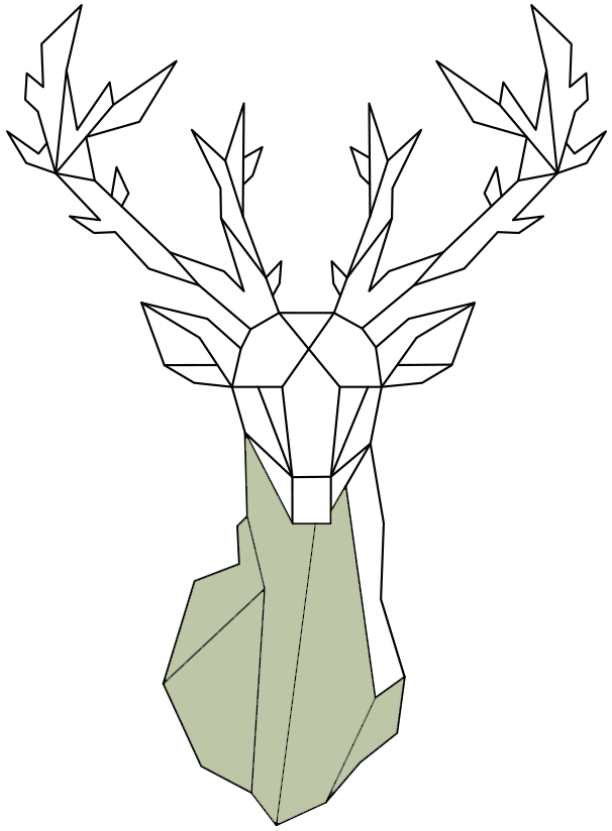

WE CREATE SMART AND CASUAL DATADESIGN. EVERY DAY.

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About us …

Jan Nordhoff

+ Software & AI Engineer
+ Bachelor in Electrical Engineering
+ Master in Technische Informatik (TH Köln)

Tillmann Eitelberg

+ CEO oh22
+ Microsoft Data Platform MVP

oh22information services GmbH
oh22data AG

http://oh22.is

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About us …

oh22

- ~ 50 employees across 2 locations:
  - Headquarters Bad Camberg
  - Additional Office in Königswinter
- 15 people from 7 nations work at our Königswinter site
- Around 11 dogs spread across both offices 🐶
- Consulting and development in the field of Data & AI and Azure Infrastructure
- Microsoft Partner for over 25 years
- 2 Microsoft Data Platform MVP
- Developing of our own solutions HEDDA.IO and WOODY.IO

HEDDA.IO

WOODY.IO

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Customers …

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A PEEK INTO OUR WORK

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POTATO BUNKER

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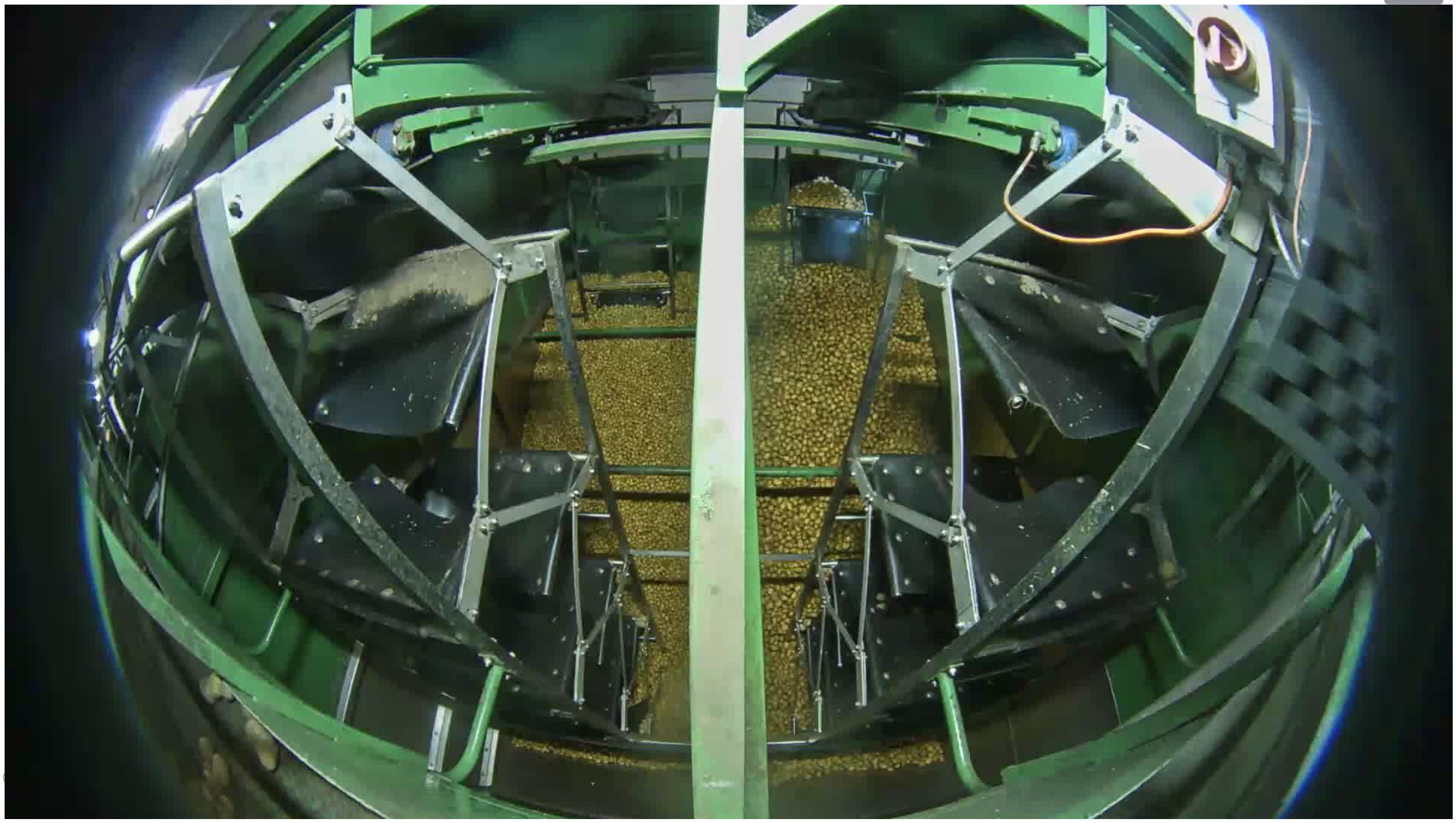
Kartoffelbunker



Kartoffelbunker

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Kartoffelbunker

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Potato Bunker

- Determining the Fill Level of Potato Bunkers (in Tons)
- Before: Manual estimation by staff in dispatch
- Now:
  - Images from surveillance cameras
  - Image rectification
  - Fill level calculation via background 3D model generation
  - ML-based segmentation using LRASPP
- Benefits:
  - High accuracy
  - High degree of automation

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PACKAGE INSPECTION SYSTEM

DHOLE.IO

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Package inspection system

Problem: High return rates

Over 100 products are produced for different companies and markets, in various languages and often with custom labels, including seals such as organic, vegan, and others.

Reason:
Incorrect labels (wrong language, wrong expiration date)

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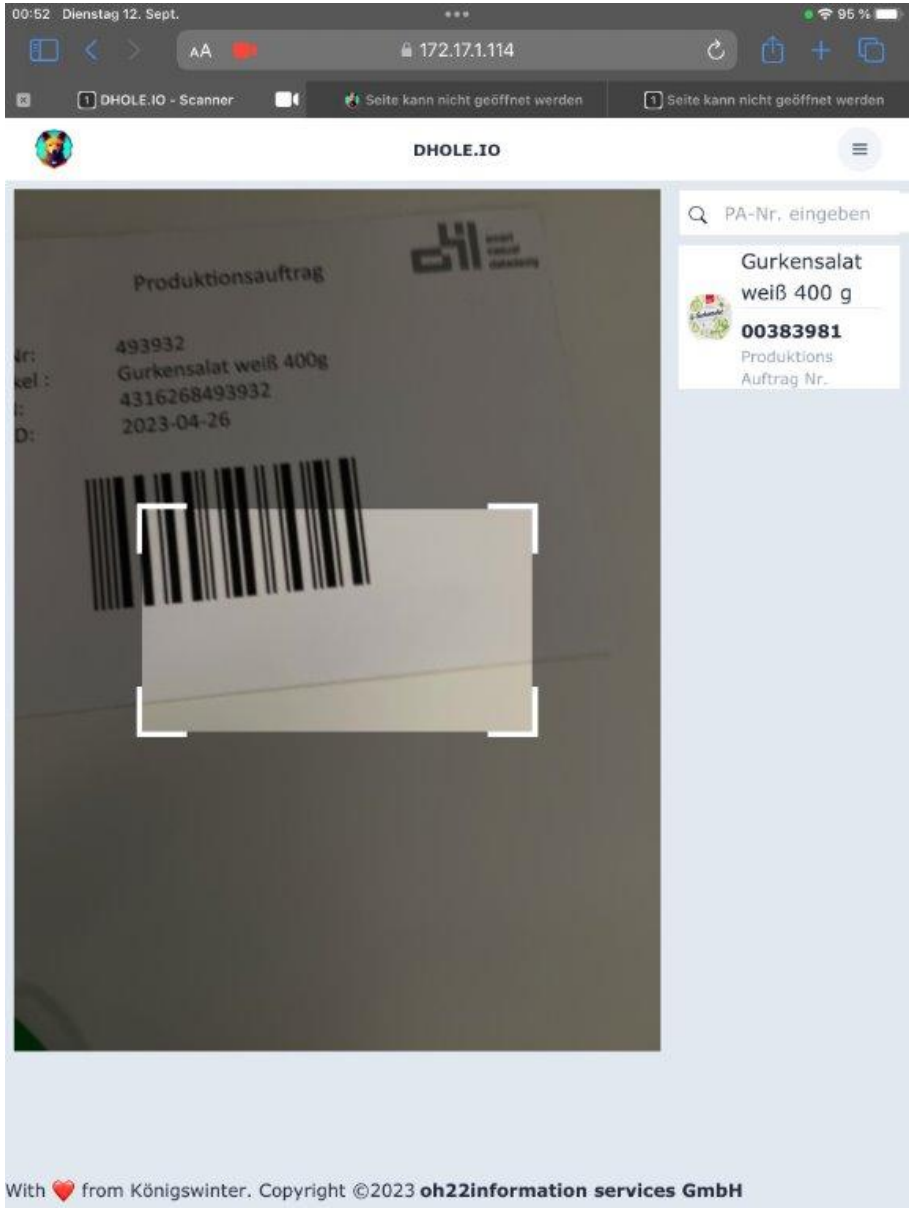
Overview and selection of production orders



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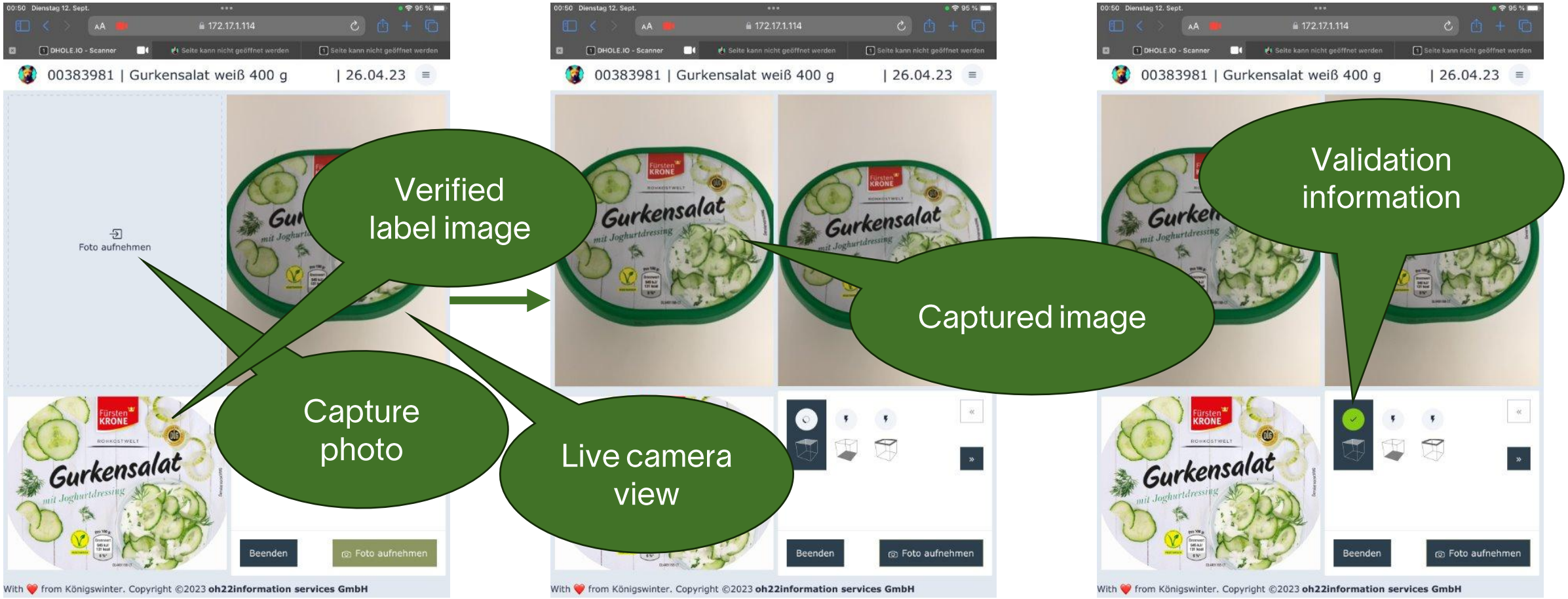
Overview and selection of production orders



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Package inspection system

An extended version allows label verification from scans:

- Labels are attached to paper, scanned, and automatically sent via email
- The package inspection system reads the incoming email
- Processes the scan (even documents with more than 10 pages)
- Generates a validation summary
- Sends the results to a defined list of recipients via email

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Looking for More Than a Desk and a To-Do List?

We're always on the lookout for creative and motivated minds – whether you're a working student, looking for an internship, writing your thesis, or a graduate ready to dive into the world of Data & AI.

bewerbung@oh22.is

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DATA SATURDAY #70
DATA SATURDAY
RHEINLAND 2025

28-June-2025

VENUE

Hochschule Bonn Rhein Sieg
Campus St. Augustin

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Thanks for listening!

Happy to take your questions!

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