REP.

SEPTEMBER 26 - 28, 2021 PHOENIX CONVENTION CENTER | PHOENIX, AZ

RFD JOURNAL LIVE!

RFID Improves Traceability for Carbonated Beverage Filling Process

Grant Cook

Co-Founder of Dorcia Engineering a part of Enpro Inc.



 The purpose of this presentation is to help you better understand how Dorcia Engineering used HF-RFID to detect missing vent tubes during the high speed carbonated beverage filling process



SEPTEMBER 26 - 28, 2021₃

Presentation Road Map

- The story of Dorcia Engineering
- What is the key issue that Dorcia solved?
- How did Dorcia deploy HF-RFID in a high speed application ?
- How does the Dorcia solution benefit carbonated beverage manufactures?



The Dorcia Engineering Story

- Founded in 2009 in Chicago, IL.
- Build and design traceable systems for the worlds largest beverage manufactures
- As of September 1st Dorcia was acquired by Enpro Incorporated







ABInBev



SEPTEMBER 26 - 28, 2021



What is the key issue Dorcia solved?



2000 cans filled per minute



SEPTEMBER 26 - 28, 2021₆

What is the key issue Dorcia solved?

- Missing Vent Tubes cause safety concerns
- Every 30 mins operators stop the filler manually check vent tubes
- Large amount of down time and product waste



SEPTEMBER 26 - 28, 2021,



How did Dorcia deploy HF-RFID in a high speed application ?

- Required a non-contact, harsh environment, high speed monitoring system
- High frequency (HF) RFID operates at 13.56MHz. It is capable of reading anywhere from 30-800 tags per second
- Partnering with FEIG ELECTRONIC system is able to achieve 2900 cans per minute





SEPTEMBER 26 - 28, 2021₈

How did Dorcia deploy HF-RFID in a high speed application ?









SEPTEMBER 26 - 28, 2021₉

How did Dorcia deploy HF-RFID in a high speed application ?

Insert Video on this slide



SEPTEMBER 26 - 28, 2021₁₀

How does the Dorcia solution benefit beverage manufactures?

- Eliminates 30 minute line production stopping vent tube manual checks
- Reduces consumer risk
- Increases production output
- Eliminates product waste



SEPTEMBER 26 - 28, 2021₁₁





