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MANDALAY BAY | LAS VEGAS, NV

RFID JOURNAL LIVE!

Improving Traceability for Beverage Companies with RFID

Grant Cook

President- Enpro Inc.

Purpose

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





Presentation Road Map

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





The Enpro Inc. /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





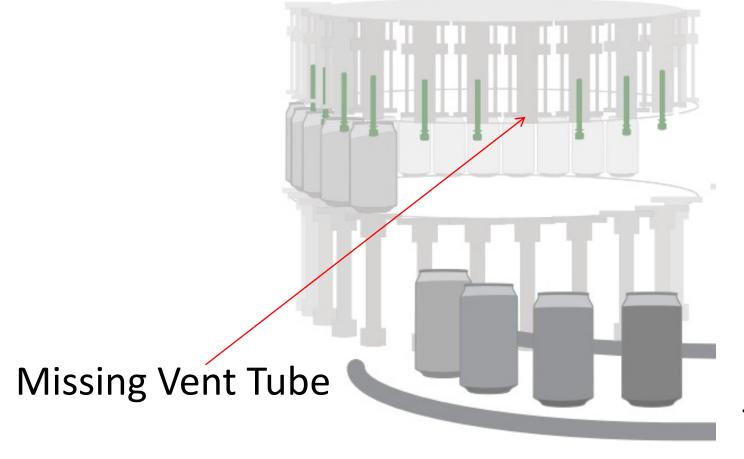








What is the key issue Enpro solved?





2000 cans filled per minute





What is the key issue Enpro solved?

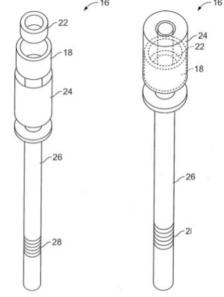
- Missing Vent Tubes cause safety concerns
- Every 30 mins operators stop the filler manually check vent tubes
- Large amount of down time and product waste





How did Enpro 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





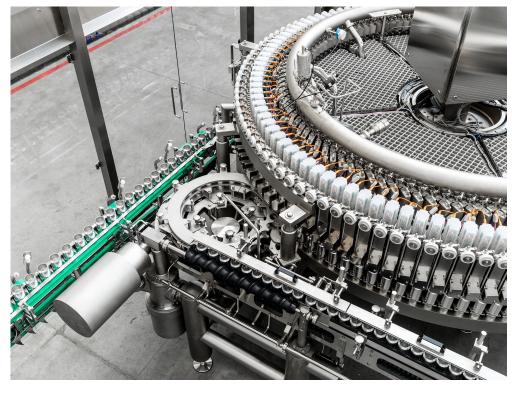




How did Enpro deploy HF-RFID in a high speed application ?







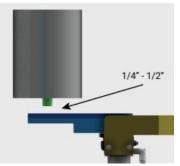




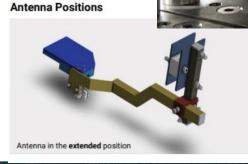
How did Enpro deploy HF-RFID in a high speed application?

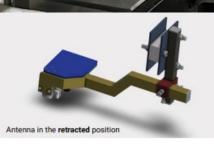












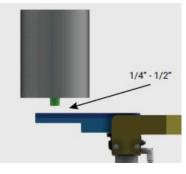




How did Enpro deploy HF-RFID in a high

speed application?





Antenna Positions

Antenna in the **extended** position







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

https://www.youtube.com/watch?v=9q7TmSmqRiU

Insert Video Here





How does the Enpro solution benefit beverage manufactures?

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







