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EBT: BD Update
Status Update

Start-up business based on strong strategic customers and attractive further long-term potential

- % Group sales H1 2018
- Applications
  - Core
  - Existing
  - Next potential

EBEAM TECHNOLOGIES

4%

Material modification (incl. Printing)

TETRA PAK

BÜHLER

Egg 1 - 2 - 3

EBT

Customers

COMPO- NENTS

END USERS

OEMs

Source: Comet
Bühler: Laatu™, sustainable microbial reduction on dry food using ebeam technology

Status Update

What makes Laatu™ stand apart?

- World’s first non-thermal, non-chemical microbial reduction solution
- Preserves food quality better than any other technology
- Environmentally friendly
- Affordable

Source: Bühler
Tetra Pak: Committed to electron beam technology

Commercial liquid food packages produced with ebeam technology

Cornerstone for the future equipment platform

Source: Tetra Pak
Egg case: > 600,000 eggs with first positive results

Status Update

Field tests with Bell Food Group

- Very high bioburden reduction (4-5Log)
- Spore inactivation (4Log)
- Indication of lower embryo mortality
- Indication of improved hatching success
- Slight indication of improved body weight gain

Next steps

- Further tests with other partners in preparation
- Choosing OEM for manufacturing and engineering
- Use high interest of end customers to engage in closer collaboration
Focus on scalability

- Bühler Dry food granulation (Laatu machine)
- Egg shell sanitation (hatching eggs)
- Tetra Pak Foundation – aseptic liquid food packaging – carton-based
- Egg shell (table)
- Egg shell (vaccines)

Status Update

- Market access
- Extended partnership
- Fusion of know-how
- Skan: Sterilization pharma

Know-how
(dose sensors, on-line process control, dosimetry)
Thank you for your interest