Better through Responsibility

Checklist

Compressed Air Quality Food + Beverage

☐ Contact with product

- direct
- indirect

☐ Environment / Ambient Air

- Where is the compressor intake positioned?
- Composition of intake air?
- Peculiarities (pollen, leaves, heavy traffic close by, ashes, cleaning agents, immissions of nearby companies, ammonia,...)

☐ Compressor Room

- location
- Condition / Situation

☐ Kompressor

- Which compressor (brand, type, performance data, year of manufacture, oil free, oil lubricated, condition of compressor, maintenance status quo)
- History (when was which compressor bought?)

☐ Pressure vessel

- Condition (rust, water, condensate discharge, leak tightness, maintenance,...)

☐ Compressed Air pipework

- Since when in use?
- Parallel pipe system, material (stainless steel, plastic, ...)

☐ Compressed air Treatment

- Centralized / decentralized
- Water separator
- Prefiltration
- Drying
- Postfiltration
- Measurement technology
- Sterile filtration
- Condensate discharge
- Condensate treatment

☐ Supply chain product

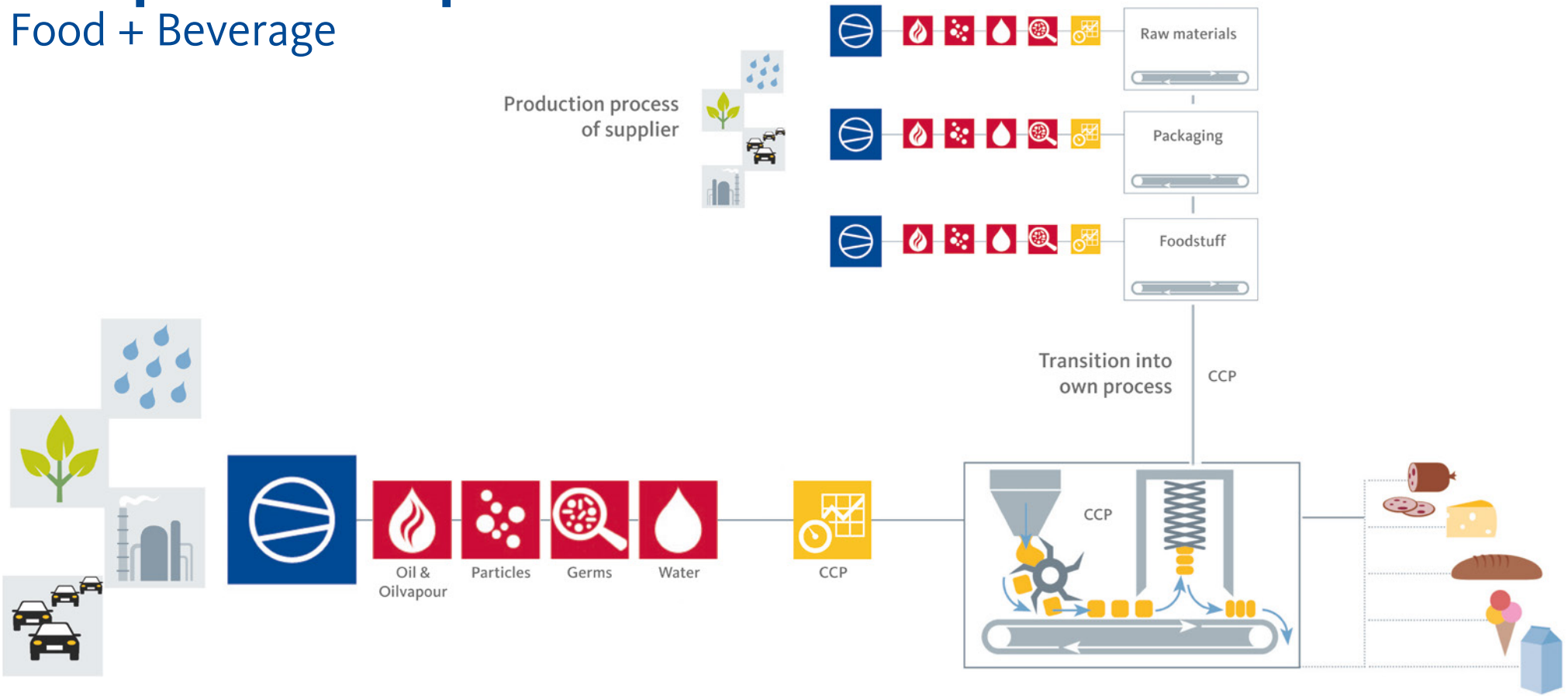
- Certificates?
- Specifications?

Your contact:

Thorsten Lenertat
Global Account Manager EMEA
Mobile: +49 173 7274027
thorsten.lenertat@beko-technologies.com

Compressed air processes

Food + Beverage



Intake air Ambient air

- up to 140 Mio airbourne particles/m³
- relative humidity up to 100%
- gaseous impurities (CO, NO_x, So_2,...)
- Oil up to 5 mg/m³
- Micro organisms

Compressed air generation (Compressor)

- Concentration of impurities caused by compressor wear & tear, according to compression rate
- Oil injection

Compressed Air Treatment according to ISO 8573

- Removal of impurities out of the generated compressed air
- according to the application, as good as needed:
  - oil-free
  - clean
  - germ free
  - dry

Measuring the compressed air quality

- Mesasurment 24/7
- Documentation 24/7
- TÜV validated method
- Alarm when quality deteriorates
- Alarm if parameters are exceeded
- proof for legal issues ?

Production process in food- and packaging industry

- often no continuous or integrated qualitymanagement
- Risk potential at transition points

- Do the same safety standards also apply to suppliers, f.e. for packging, raw materials, foodstuff, silo transports,...

Product to consumer