



Food and Beverage Industry

Solutions to support sustainability and digitization in food and beverage production

Demand for technology and innovation within the food and beverage industry is causing a shift among manufacturers, with growing focus on digital investments and long-term sustainability. Vertiv provides comprehensive, reliable, and effective solutions that support the food and beverage manufacturing process. With proven industry expertise backed by global service support, our solutions are aimed at protecting high-value assets in your facility, ensuring production continuity to help you meet service-level agreements and deliver the best quality products to your customers.

Asia Pacific Food and Beverage Industry Outlook

The Asia Pacific region continues to be a robust market for the Food and Beverage industry. This is largely driven by strong manufacturing capabilities and sustained demand among consumers brought by rapid urbanization, lifestyle changes, and a growing population of health-conscious individuals.

Amidst this positive outlook, the F&B sector is also faced with the challenge of adapting to evolving consumer demands and government regulations. Foremost of this is sustainability. There is currently a growing number of eco-conscious consumers who focus on the 'green' aspect of food consumption. Some countries have also banned single-use plastics in cutlery. To succeed, F&B manufacturers need to rethink their strategies against these new trends, while managing cost and still meeting production needs.



There is no doubt that the F&B industry has evolved and continues to evolve. Technology plays a big role in the industry, not only to boost production capability but also enhance efficiency and manage an increasingly complicated supply chain process.



DIGITAL TRENDS SHAPING THE FOOD AND BEVERAGE INDUSTRY

What does the future look like for the F&B industry? Below are some key technology trends that will impact the industry in meaningful and innovative ways:



Automation and digitization of manufacturing processes to speed up production and increase efficiency. Service robots will be used for faster delivery and more refined and efficient service. Digital tools will also be used in the manufacturing floor to boost production.



Simplifying a complex supply chain management. Often, F&B manufacturers utilize a complex and global supply chain system. Technology will be used to simplify the system and allow more visibility on delivery timelines to ensure the freshness of supplies.

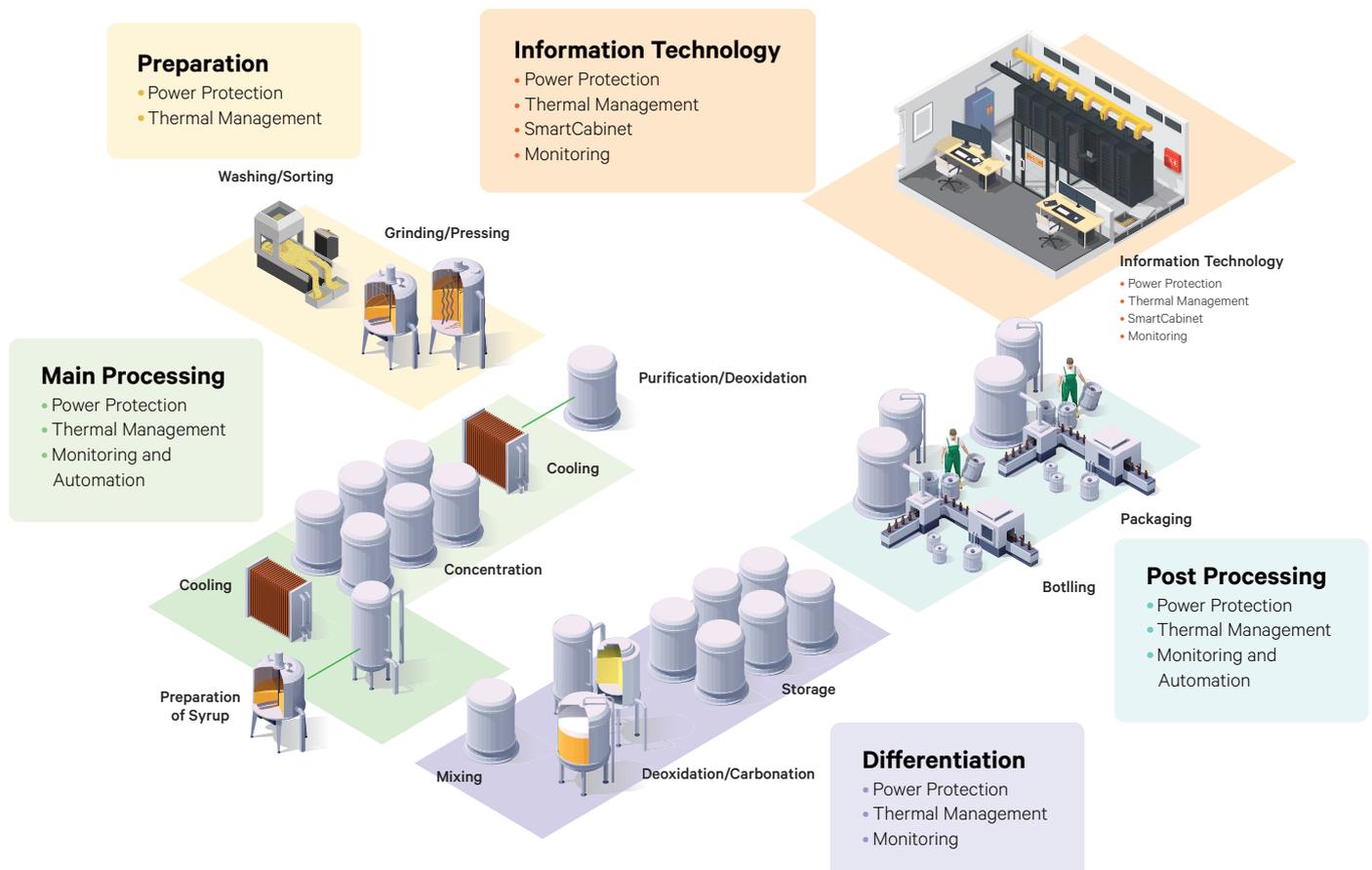


Sustainability at the forefront. From plastic-free regulations to health-conscious food choices, F&B manufacturers must innovate to address new regulations that are emerging as a result of a more eco-conscious world.



Increased reliance on the cloud. With automation and the use of intelligent robots and machines to speed up production, there will be an increased reliance on cloud computing to support the data that's being produced. Having a good IT backbone will be crucial in supporting the move towards a more digital manufacturing environment.

VERTIV PROTECTS CRITICAL PROCESSES IN THE BEVERAGE SPACE



PRODUCT FOCUS

Liebert® ITA2 5-30 kVA

Compact, Efficient, & Robust UPS for Critical Applications



Features and Benefits

- Eco-Mode provides a superlative efficiency of up to 99%
- Programmable output outlets/terminals with cascade protection to protect key devices during heavy load
- Integrated Ethernet port with HTTP protocol compatibility & streamlined remote monitoring
- Robust structure with cutting edge channelized airflow design
- Dust and moisture resistant

Liebert® Hipulse-U 80-500 kVA

Utmost Reliable Power Solution for Critical Business Applications



Features and Benefits

- Up to 98% operating efficiency in Eco-Mode operation; up to 93% operating efficiency in double conversion mode
- Standard built in LBS function and smart parallel
- REGEN mode of operation
- Strong 0.9 output PF loading capacity
- Compatible to 1+N and N+1 configuration
- Two independent intellislots to achieve multi-channel data highway

Liebert® NXL 800kVA

High Availability UPS for Medium & Large Data Centers



Features and Benefits

- Internal cable wiring simplifies installation
- Redundant components increases reliability
- Superior handling of present and future computer loads
- Color touchscreen controls improve user interface and reduce risk of human error
- Excellent dynamic performance
- Generator and utility friendly
- Front access provides easy installation and service
- Compact cabinets require less floorspace
- Built-in battery cabinet breaker isolates string for ease of service

SmartCabinet™

High Availability UPS for Medium & Large Data Centers



Features and Benefits

- Fast deployment
- All-in-one design and easy to use
- No dedicated IT room required
- Dust protection and noise insulation
- Built-in high efficiency UPS, air-conditioning, power distribution, and security control
- Integrated power management
- Large 7-inch LCD touch panel for local monitoring (9-inch for integrated)
- Suitable for network closet and small office

Liebert® DM

High Performance Cooling for Small Technological Rooms



Features and Benefits

Energy saving

- High sensible heat ratio and high energy efficiency
- Equipped with Copeland Scroll Compressors
- Provides stable temperature and humidity condition
- Fans for outdoor units feature easy to access full range speed regulation
- Manageable and unique ECO-Mode option
- Energy saving component options

Liebert® LPC

Intelligent, sensible cooling for labs and other special applications



Features and Benefits

- Asia's first standardized constant unit for special application
- Regulation of Sensible Cooling Capacity down to Zero
- Use of variable technology at every steps like compression, distribution & controls
- High quality, perfect harmonized component
- Precise & reliable control system
- Service available throughout Asia Pacific

Liebert® SRC

Small Room Equipment Cooling



Features and Benefits

- Temperature Control
- EC Fan
- Green Refrigerant
- Free Cooling for Optimizing
- High SHR
- Metallic Body
- 24 x 7 Operation
- Load Sharing
- Remote Monitoring
- High Ambient

CASE STUDIES

BEVERAGE MANUFACTURER IN PAKISTAN



Overview

The customer undertook an aggressive expansion in Faisalabad, announcing the construction of a green field project in 2017. This new production site will have a massive production capacity of 45,000 1.5-liter bottles per hour. This is touted as the largest green field production facility in the country. In this regard, the customer was looking for a power solution that would ensure zero downtime in its facility to meet production demands.

Vertiv Solution

- Liebert NXL 800 kVA