Smart, safe and efficient food and beverage factories

From fire protection to industrial refrigeration, Johnson Controls offers the widest array of advanced solutions to enable smart, safe and reliable food & beverage factories. Components can be applied at will, possibly as interconnected systems or monitored and managed by other systems.

Management Systems / Integrated Solutions

Unified and intelligent supervision solutions for enhanced technical functions management.

- **1** Central Control / Alarm & Event Management
- **2** 24/7 Managed Services / Call Center
- **3** Remote Control of Machine Room, HVAC Control
- **4** Building, Security & Energy Management
- **5** Fully Automatic Logistics Management
- **6** IR Controls, Operation & Efficiency Management System

Industrial Refrigeration

Set indoor conditions for reliable and efficient manufacturing processes.

- **7** Refrigeration Systems with Packed Chillers
- **8** Refrigeration Systems with Compressor Units
- **9** Leakage Detection

Security

Preventive systems to protect the entire supply-chain against adulteration, tampering, poisoning and theft.

- **10** Perimeter Protection
- **11** Production Line Video Surveillance
- **12** Access & Visitor Management System
- **13** Proactive Video Management
- **14** Video Content Analytics
- **15** Intrusion Detection
- **16** Access Control Readers / Code Access Card / Biometric

Energy Efficiency

Set indoor conditions for reliable and efficient manufacturing processes.

- **17** Energy Storage
- **18** Heat Recovery & Production / Air Handling Unit
- **19** Heat Recovery & Production / Industrial Heat Pump
- **20** Intelligent Control for Refrigeration Systems

HVAC

Enhance the comfort of your users as well as your facilities efficiency and sustainability.

- **21** HVAC Terminal Units & Controls
- **22** Conditioners, Heat Pumps & Variable Refrigeration Flow (VRF)
- **23** Outside Conditioner Unit (Rooftop)
- **24** Leakage Detection
- **25** N$_2$ Production for low Oxygen Coldstore & Fruit Conservation
- **26** Ultra low Oxygen Area / N$_2$ Sensoring
- **27** Machine Room Sensoring (Measuring Air, Temperature, Humidity)
- **28** HVAC System
- **29** Close Control Units

Fire Protection

Protect life and assets from fire and industrial hazards.

- **30** Fire Alarm Systems
- **31** Clean Agent Fire Extinguishing & ASD System
- **32** Gas Detection for Silos
- **33** Machine Extinguishing System
- **34** Sprinkler / Water Mist Fire Extinguishing
- **35** Fire & Gas Detection for Production Line
- **36** Gas Extinguishing for Diesel engines

WAREHOUSE
PRODUCTION