.MSR
ELECTRONIC

Safe Beverage Industry

Fixed Gas Detection Systems

for toxic and combustible gases
in the production, filling and
dispensing of beverages

.MSR
SAFETY
FIRST

Beverage Industry
Safety from CO_2 / SO_2 / H_2S / C_2H_6O / CH_3OH and O_2 deficiency

In the beverage industry, the danger from gases is often underestimated. Soft drinks and beers are perceived as refreshing thanks to „carbon dioxide," and carbon dioxide improves the shelf life of still beverages. But carbon dioxide is also essential for wine and sparkling wine production. MSR-Electronic offers reliable gas sensors, gas controllers and warning devices to protect people and equipment from hazardous gases. When gas leaks occur, fast alarms and reliable gas alarm systems are required. The Compact-controller from MSR-Electronic is designed to connect up to 10 gas sensors via its own field-bus and is used to warn against various gases.

! GAS HAZARDS IN THE BEVERAGE INDUSTRY

- Gas in beverage bottling plants, breweries, dispensing systems, wineries and CO_2 extinguishing systems for warehouses
- In the carbonation of soft drinks and inerting of tanks or pipelines
- Use of SO_2 as a conservation and antioxidant

- Odor problems caused by H2S in the food & beverage industry
- Alcohol production: spirits production with toxic and flammable gases
- Monitoring of O_2 deficiency to protect of persons in closed room
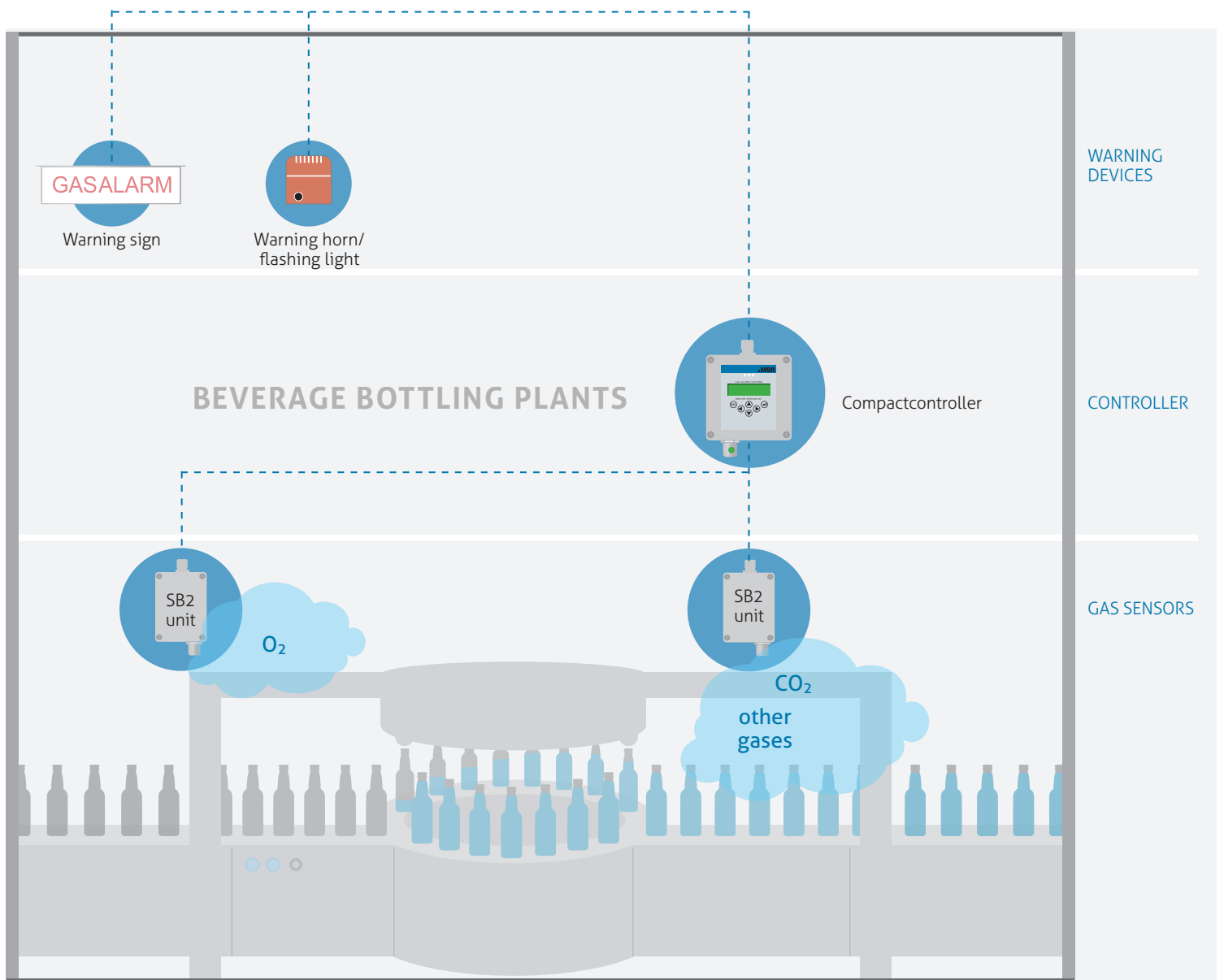
+ BENEFITS

- Plug & Play System
- Integrated display to show the current values, to do the configuration and calibration
- Hardware and software according to SIL-compliant development process
- Reduced costs due to easy maintenance, e.g. sensor head change (X-Change Technology)
- Intelligent sensors display information on residual sensitivity, maintenance and condition
- Reduced downtime and integration into existing safety systems

Compactcontroller with SB2Units

GASALARM

Warning sign

Warning horn/
flashing light

BEVERAGE BOTTLING PLANTS

Compactcontroller

SB2
unit

O₂

SB2
unit

CO₂

other
gases

WARNING
DEVICES

CONTROLLER

GAS SENSORS

PERFECT SOLUTIONS FOR GAS ALARM SYSTEMS

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in Germany