

Gas Detection.



# Aquaculture Systems

Reliable monitoring of hazardous gases



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## Safety from various gases and oxygen deficiency

The advantage of fish farming in an aquaculture system (RAS or a specially designed tank) is that production is independent of location and has minimal impact on the environment and water consumption, as it is a closed system. Moreover, they can be built near consumer markets and in

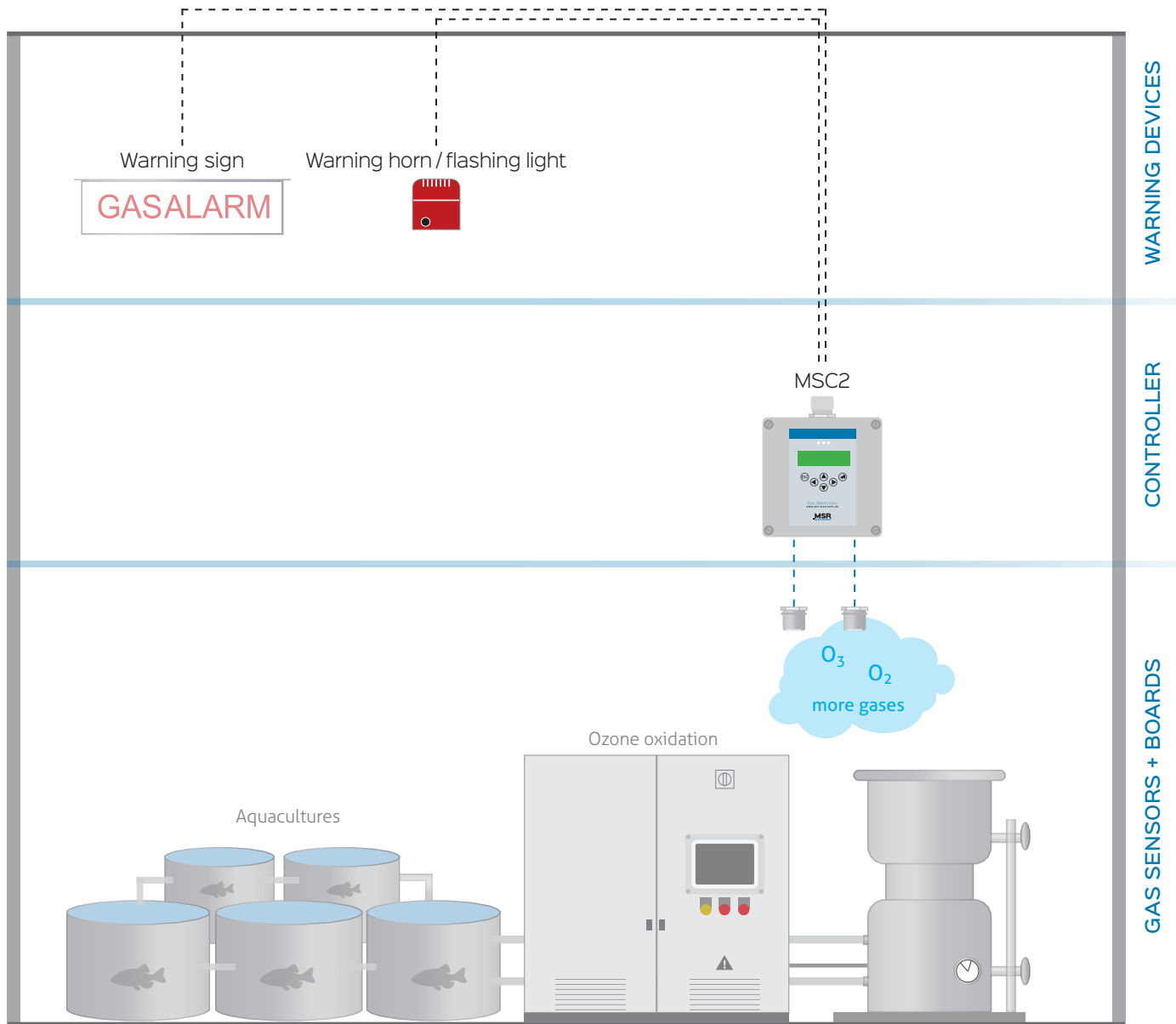
regions where there is not enough water or suitable climatic conditions for selected fish species. Water treatment and sterilization play an essential role in aquaculture. This places great demands on the facilities as well as new health safety criteria for the personnel working there.

## Gas hazards

Farmed fish are sensitive to pathogens, water quality and toxic substances. High water quality and disinfection of facilities is provided by ozone oxidation or ozonation. Ozone is a health hazard and therefore dangerous to employees working in ozone production premises. Gas sensors, controllers and warning devices from MSR-Electronic offer perfect protection in case of occurring ozone gas leaks.

## Benefits

- Precise monitoring with a very high resolution
- Small controller or large controller possible
- Cost-reduced calibration through on-site sensor head replacement (X-Change technology)
- Precise sensor technology in analog or digital design
- Access control easy to implement



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How-to: Commissioning of the MSC2.

Gas Detection.



We are part of the MSR-Group.



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