

PERFECT SOLUTIONS FOR GAS ALARM SYSTEMS



Safe H₂ Gas Monitoring



Fixed gas warning systems

for your safety in the production
and use of hydrogen



Your partner for

- ✓ H₂ Research
- ✓ H₂ Production
- ✓ H₂ Logistics
- ✓ H₂ Mobility



H₂ Gas Monitoring

For research, production, logistics and mobility

The permanent gas monitoring serves the primary explosion protection and thereby also the plant safety.

There are numerous applications for hydrogen as the energy carrier of the future. In addition to its use in welding or as fuel for rockets, the focus is currently mainly on the automotive sector. Fossil fuels are to be replaced by hydrogen combustion engines or fuel cells in the foreseeable future. The combustion of hydrogen produces no exhaust gases, only water. H₂ is a very reactive gas, which makes constant monitoring by a gas warning system throughout

its life cycle absolutely essential. During research work, on test stands and during the production of the gas, leaks can occur at any time and cause catastrophic damage in the event of an ignition. Warning systems must also be installed during transport and at filling stations to protect people and equipment from this highly flammable gas. The SIL2-certified PolyXeta®2 sensor with X-Change technology is used for successful gas monitoring.

+ BENEFITS

- A solution for individual requirements such as production as well as transport and storage
- Sensors are delivered calibrated and individually pre-configured on request
- Easy connection to existing systems (analog, Modbus)
- 2 potential-free relays, e.g. to control warning devices
- Easy mounting by means of mounting bracket
- Modular design for any adaptation of the system
- Various options, such as relay, display, keyboard or housing variations
- SIL2-certified PolyXeta®2 sensor for ATEX zones 1 and 2

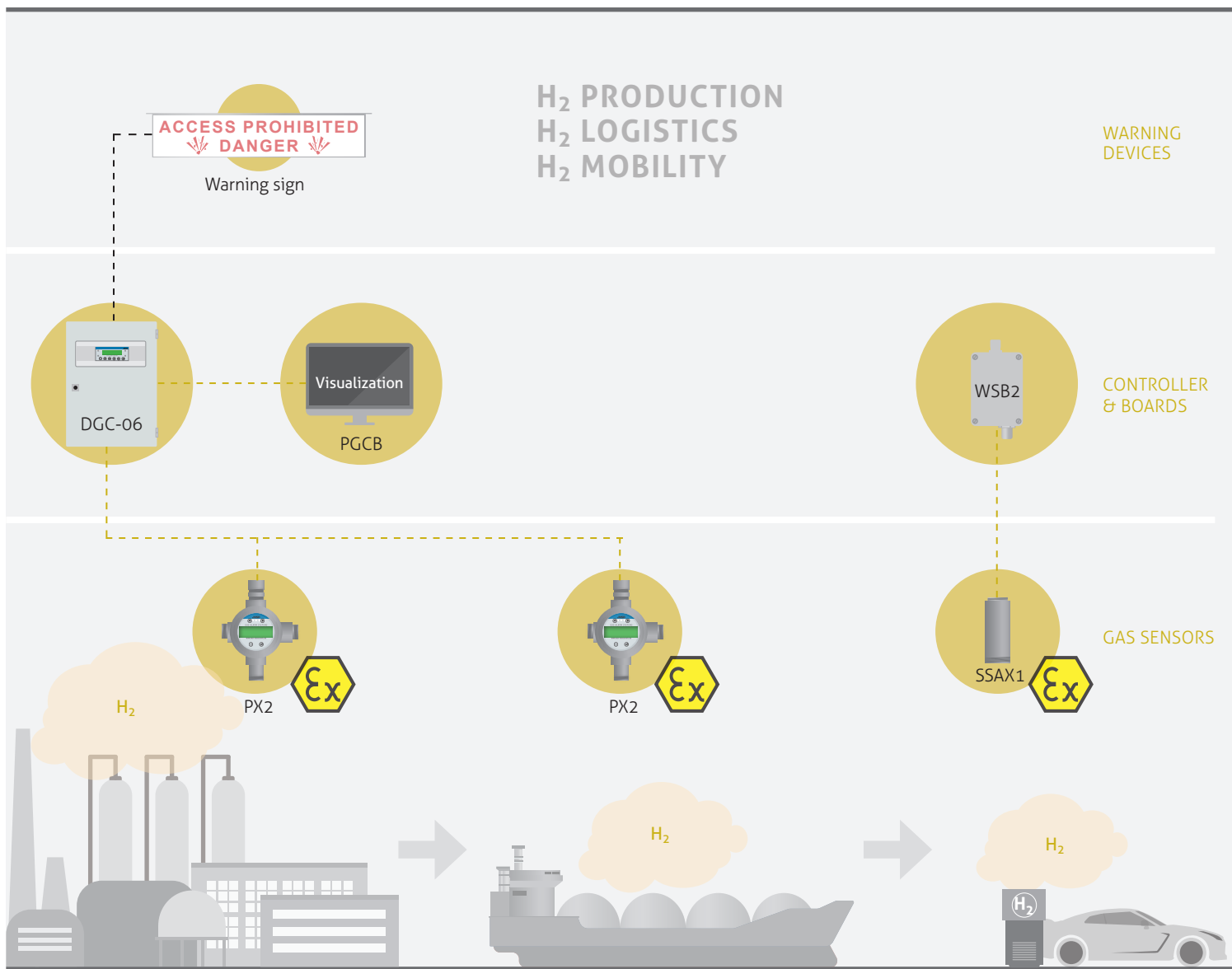


ATEX sensor SSAX1



PolyXeta®2 with SX1





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