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APP-CHO

Choosing level technology for corrosive tanks

Radar, guided-wave and ultrasonic compared for aggressive vessels.

Problem

Fumes, condensation and aggressive media attack contact sensors and degrade ultrasonic signals.

Recommendation

Use non-contact 80 GHz radar with a sealed PTFE lens for clean vessels. Use guided-wave radar in a stilling well when foam or agitation is present.

Verification

Add an independent fork switch as a high-level alarm and proof-test it at each turnaround.