Questionnaire/Checklist for enquiries Level measurement

Company:	*Project/enquiry:*
Quantity	
Requirements	☐ *Level measurement with local display* ☐ *Level measurement without local display* ☐ *Min. level switch* ☐ *Max. level switch* ☐ *Level control* ☐ *Other:*
Preferred measuring principle	*Level detection:* ☐ *PTC thermistor* ☐ *Conductivity* ☐ *Vibration* ☐ *Rotary paddle* ☐ *Capacitance* *Continuous measurement:* ☐ *Mechanical* ☐ *Pneumatic* ☐ *Capacitance* ☐ *Hydrostatic* ☐ *Ultrasonic* ☐ *Guided micropulse (TDR)* ☐ *Magnetostrictive*
Required outputs	☐ *4-20 mA* ☐ *0-10 V* ☐ *HART* ☐ *RS 232* ☐ *Level switching contacts, number* ☐ *Other:*
Required accuracy	
Medium to be measured	
Viscosity/density/size of granules	
Dielectric constant (ε_r)	
Surface	☐ *Calm* *Foam* ☐ *Yes,* *thickness: _____* ☐ *Turbulent* ☐ *No* *Water content: _____*
Changing media	☐ *Yes* ☐ *No*
Ex protection	☐ *No* ☐ *Yes, Ex zone _____*
Overfill alarm system required	☐ *No* ☐ *Yes, (WHG/TRbF)*
Temperatures	*T_{max} medium:* *T_{max} ambient:*
Tank height/diameter	
Tank shape	☐ *Cylindrical* ☐ *Rectangular* ☐ *Square* ☐ *Vertical* ☐ *Horizontal*
Is the tank pressurised?	☐ *No, without pressure* ☐ *Yes, max. pressure: _____bar*
Is the tank under vaccum?	☐ *No* ☐ *Yes, max. vacuum _____bar*
Required process connection	☐ *G1B* ☐ *G1½B* ☐ *G2B* ☐ *Flange:* ☐ *Other:*
Mounting position	☐ *Top mounting* ☐ *Side mounting* ☐ *Other:*
Location of tank	☐ *Aboveground* ☐ *Underground* ☐ *Welded in basement*
Tank material	
Are there stirrers, struts or other obstructions in the tank (please enclose sketch)	