



GAUGING & AUTOMATION PTE LTD

We are ISO 9001:2015 & 45001:2018 certified

Gauging, Measurement & Control Is Our Business

Free water de-watering system for any hydrocarbon storage tank (FPSO, floating roof tank, Jet fuel tanks.....)

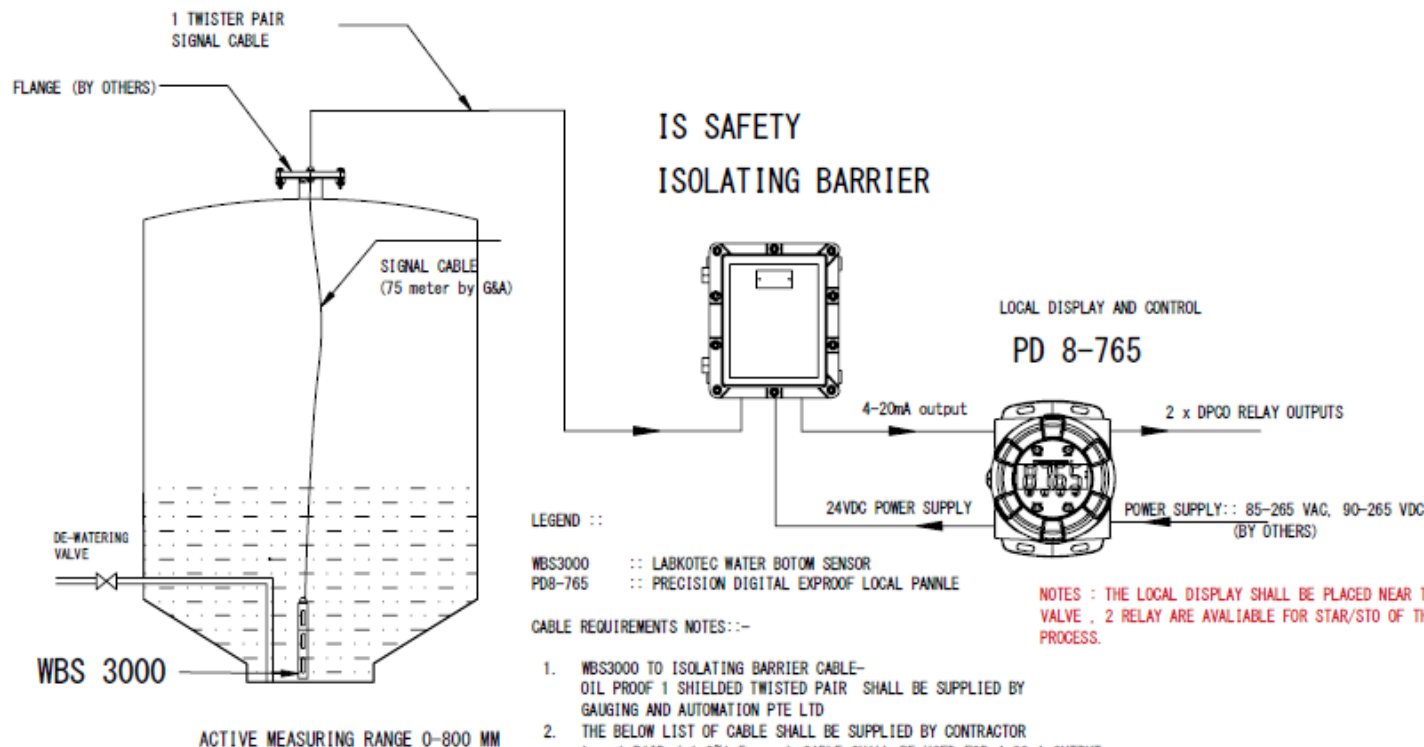
Our Success story unfolding.....



A Trusted, Dependable & Creditable Name



Oil Tanking WBS 3000 System block diagram for Hydrocarbon storage tank free water de-watering system



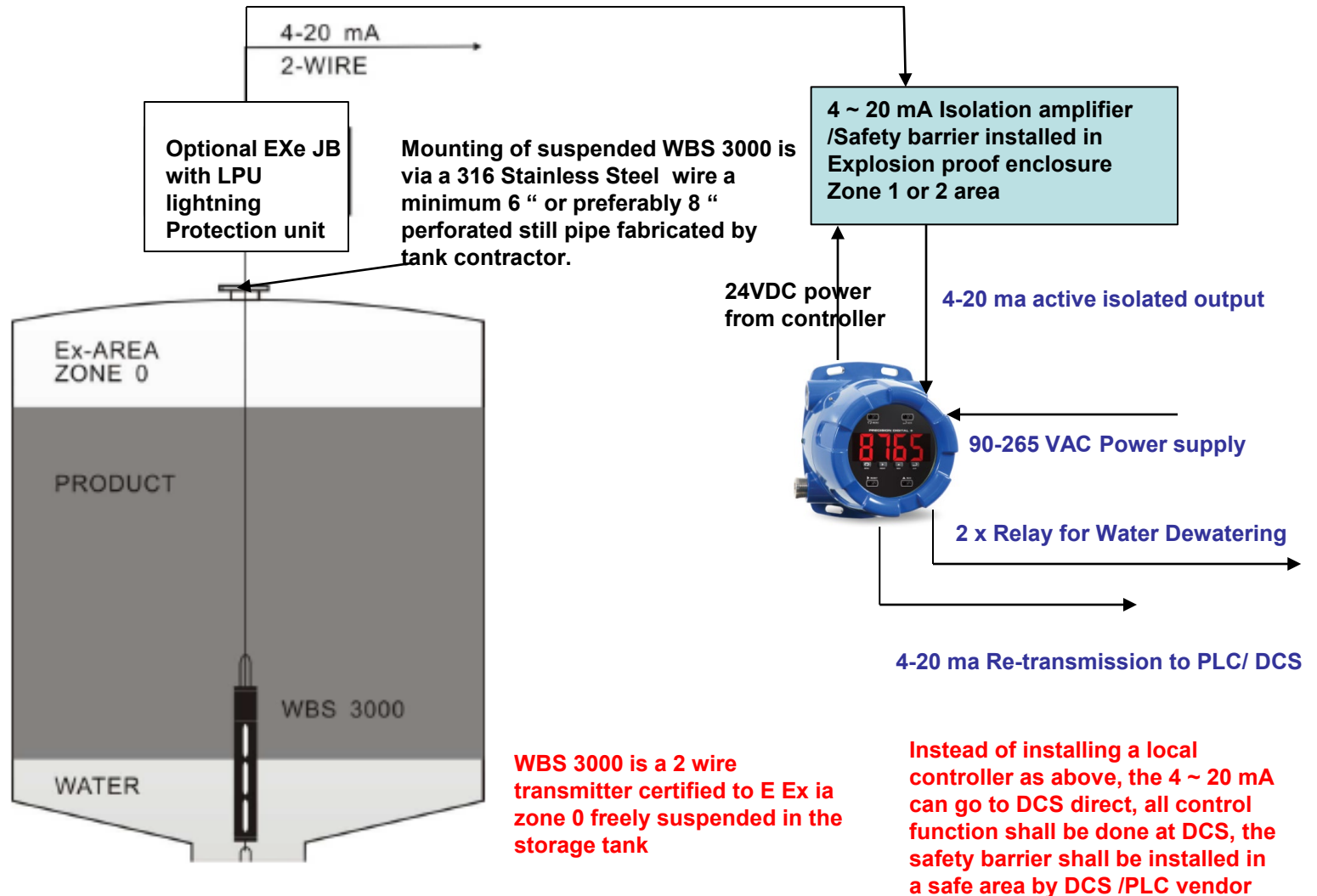
Notes : THE WBS3000 CAN BE FREELY SUSPENDED BY A 316SS WIRE OR SECURE AT THE TANK BOTTOM

NOTES : THE LOCAL DISPLAY SHALL BE PLACED NEAR TO THE DE-WATERING VALVE . 2 RELAY ARE AVAILABLE FOR STAR/STO OF THE DE-WATERING PROCESS.

DRAWN	TMX	DATE	20-04-2020	REV	1	CUSTOMER	OILTANKING SINGAPORE LIMITED
CHECKED	TMX	DATE	20-04-2020	SHEET	1/1	PROJECT	LABKOTEC WATER BOTOM SENSOR WBS3000
APPROVED	TMX	DATE	20-04-2020	SCALE	NL	FILENAME	SYSTEM OVERVIEW DRAWING
Gauging & Automation				HYDROCARBON STORAGE TANK			
				FREE WATER DE-WATERING SYSTEM			

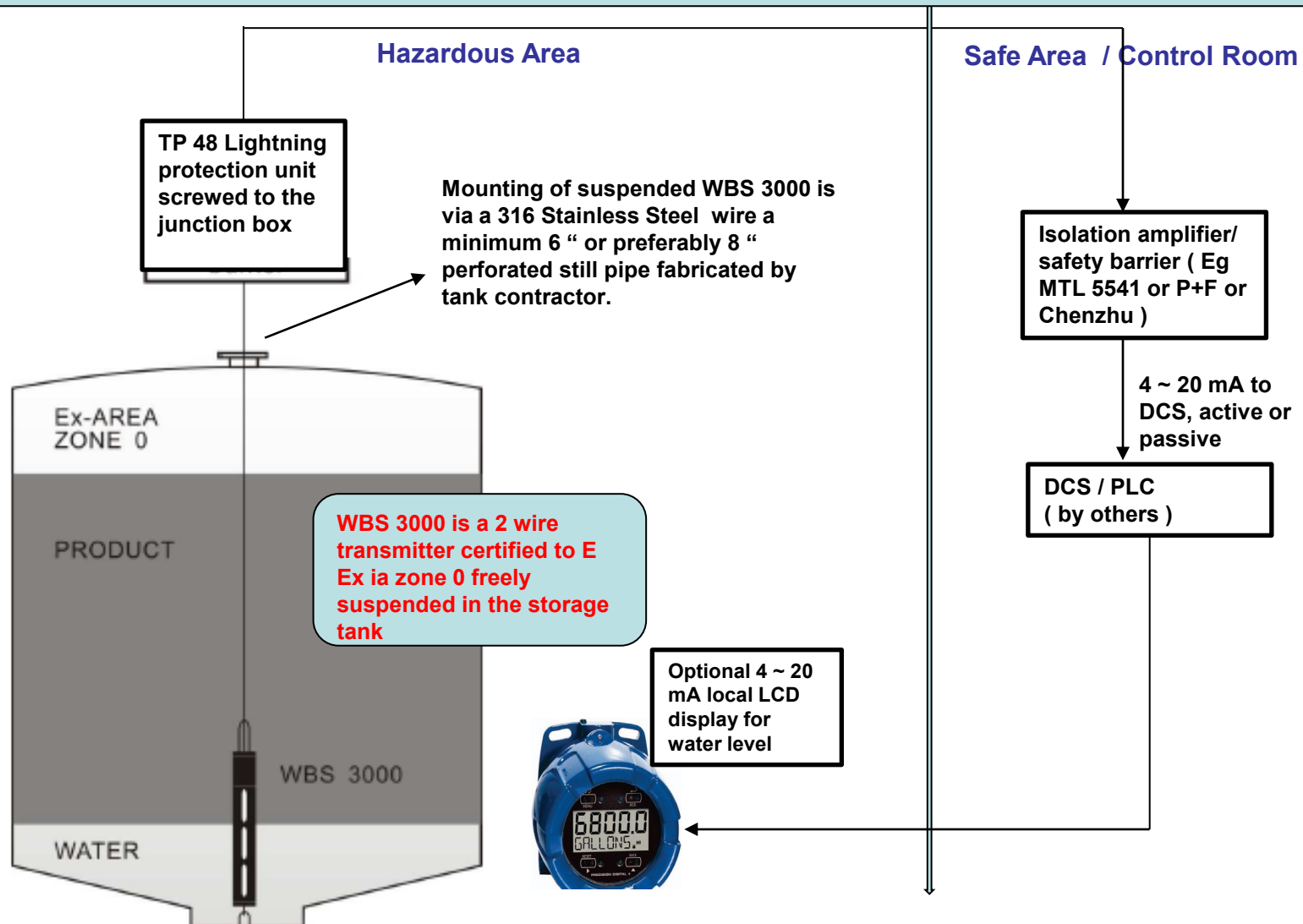
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Typical System block diagram#1(installed in Hazardous Area only)

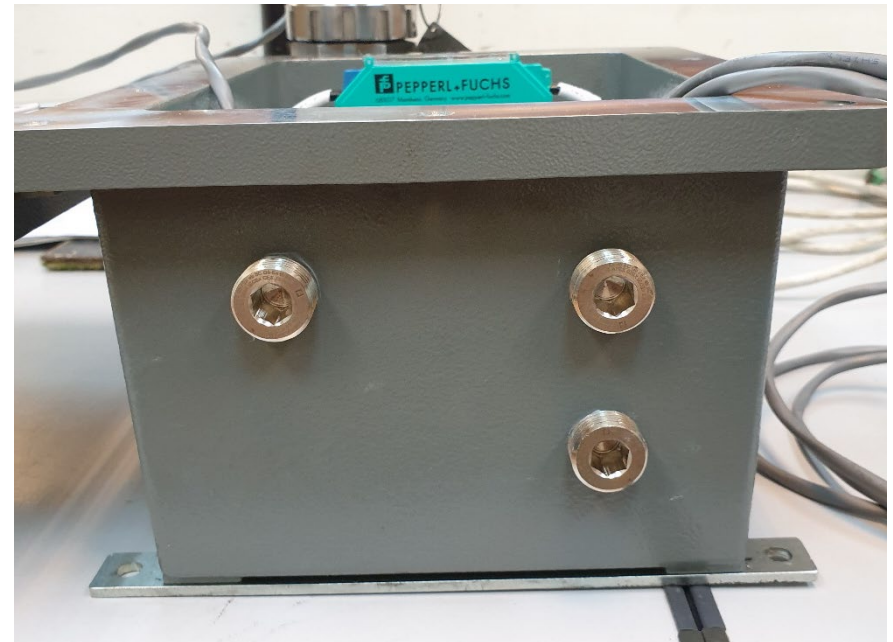




Typical System Block diagram #2 for FPSO

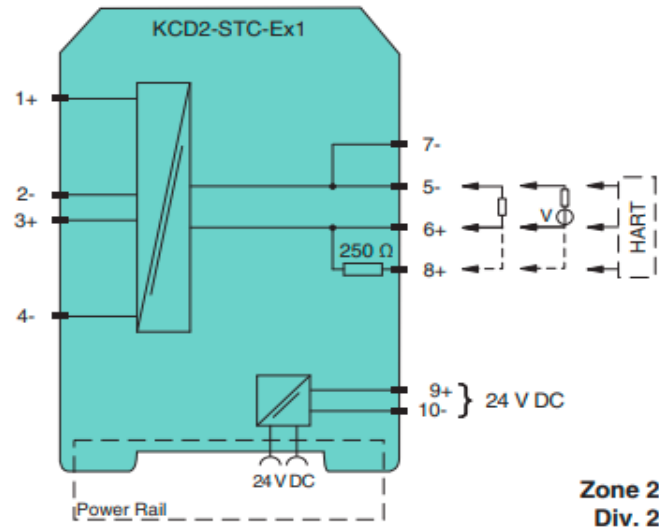
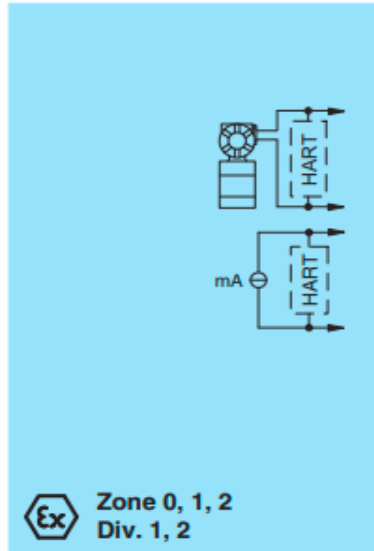


E Ex D enclosure for Intrinsically Safe isolation amplifier installed in the field @ Oil Tanking





P+F Isolation Amplifier for IS Labkotec 2 wire WBS 3000 transmitter



SMART Transmitter Power Supply KCD2-STC-Ex1

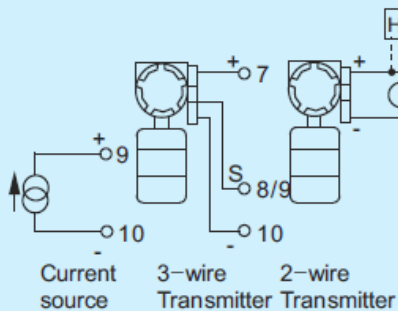
- 1-channel isolated barrier
- 24 V DC supply (Power Rail)
- Input for 2-wire SMART transmitters and current sources
- Output for 4 mA ... 20 mA or 1 V ... 5 V
- Housing width 12.5 mm
- SIL 2 (SC 3) acc. to IEC/EN 61508



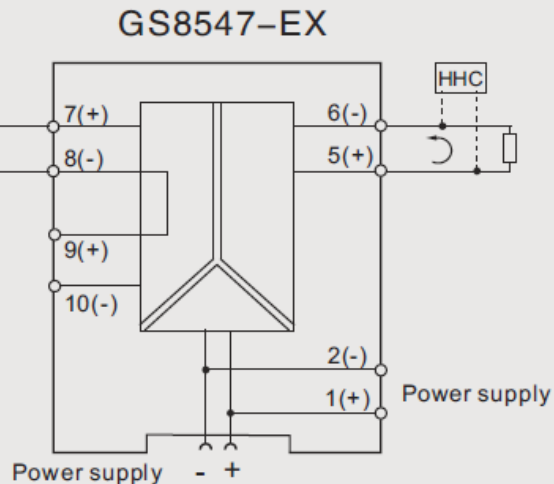
Intrinsically Safe Isolation amplifier GS8547 from ZhenZhu as an alternative

Application

Hazardous area



Safe area



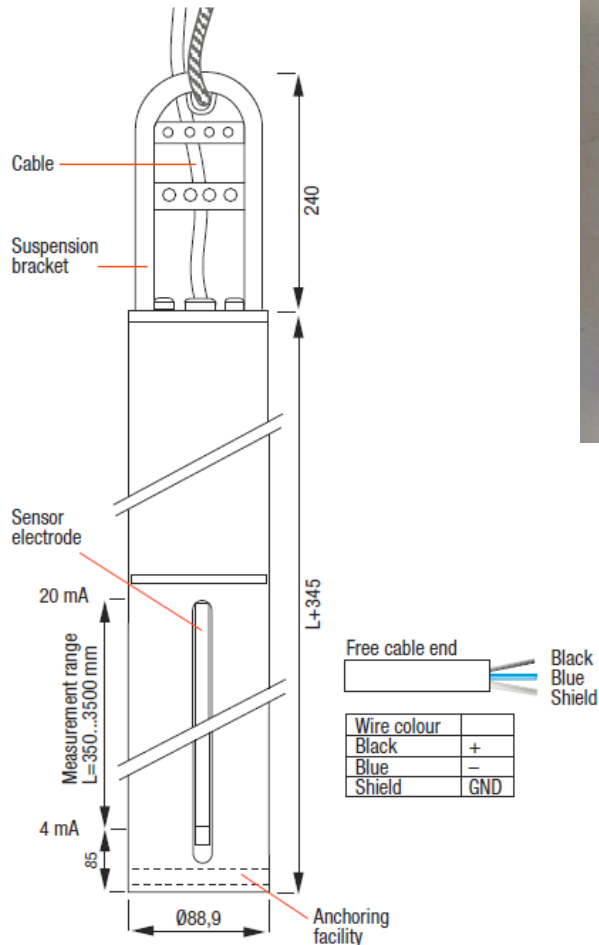
Dimensions: 118.9mm × 106.0mm × 12.5mm

A typical WBS 3000 installed at Oil Tanking storage tank





E Exia Intrinsically safe Labkotec 2 wire WBS 3000 Water sensor





Explosion proof indicating controller PD 8 765 with 24VDC transmitter power supply and relay output to control dewatering pump @ Oil Tanking Terminal

- Accepts Current, Voltage, TC, & RTD Inputs
- 4 Digit Display, 0.56" (14 mm) or 1.20" (31 mm)
- Linear or Square Root with Low-Flow Cutoff
- Operating temperature range of between -40°C and 65°C
- Maximum/Minimum Display
- Type 4X, NEMA 4X, IP65 Front
- Universal Power Supply 85-265 VAC
- 12-36 VDC/12-24 VAC Power Option
- Two Relays and 4-20 mA Output Option
- 24 VDC Transmitter Power Supply Options
- USB, RS-232, & RS-485
Serial Communication Adapters Options
- Free Modbus® RTU Protocol
- Copy Meter Settings to Other Meters
- Free MeterView® Software - Configuration & Data Acquisition

