

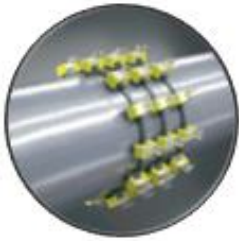
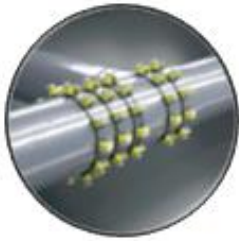

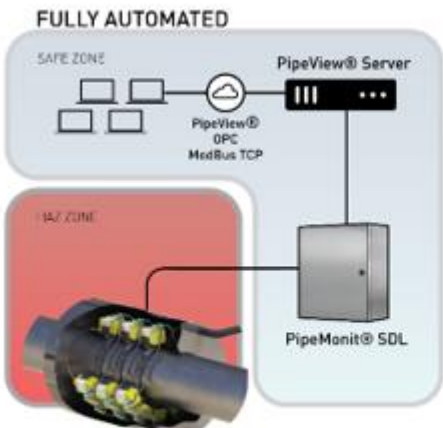
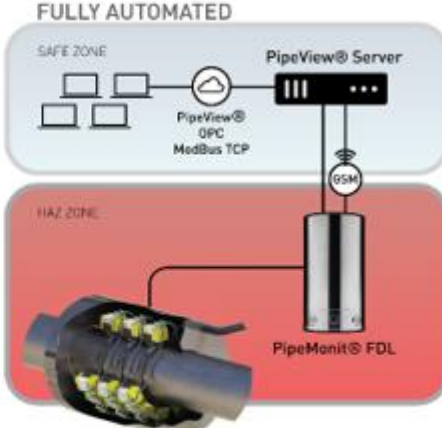
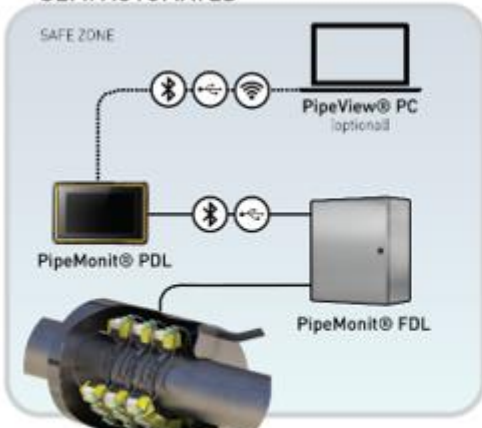

1 General

Client name
Client contact details
Project name and location
Date
Revision number

2 Operational Data and Requirements

Item	Key information			
Design temperature	min/max °C /		min/max °F /	
Operating temperature	min/max °C /		min/max °F /	
Ambient temperature	min/max °C /		min/max °F /	
Product:	<input type="checkbox"/> Oil	<input type="checkbox"/> Gas	<input type="checkbox"/> Condensate	<input type="checkbox"/> Other:
Swarm Application:	<input type="checkbox"/> Corrosion Monitoring		<input type="checkbox"/> Real time feedback on corrosion inhibitor	
	<input type="checkbox"/> Heated weld zone monitoring		<input type="checkbox"/> Erosion Monitoring	
	<input type="checkbox"/> Selective weld corrosion		<input type="checkbox"/> Other:	
Pipe/Pipeline outer diameter and wall thickness	OD: inch: mm:		WT: inch: mm:	
Installation environment	<input type="checkbox"/> Offshore	<input type="checkbox"/> Refinery	<input type="checkbox"/> Onshore buried	
	<input type="checkbox"/> Onshore Gas Terminal	<input type="checkbox"/> Onshore above ground	<input type="checkbox"/> Onshore lake or river crossing	
PipeMonit [®] Swarm location	<input type="checkbox"/> ATEX zone 1		<input type="checkbox"/> NEC 500 C1D1	
	<input type="checkbox"/> ATEX zone 2		<input type="checkbox"/> NEC 500 C2D2	
	<input type="checkbox"/> Safe zone		<input type="checkbox"/> Other:	
PipeMonit [®] Field Data Logger location	<input type="checkbox"/> ATEX zone 1	<input type="checkbox"/> Safe zone	<input type="checkbox"/> NEC 500 C1D1	<input type="checkbox"/> Other:
	<input type="checkbox"/> ATEX zone 2		<input type="checkbox"/> NEC 500 C2D2	
Swarm Installation locations (see figures below)	Swarm Location:	No. of Locations:	No. of S1 Sensors at each Location:	
	<input type="checkbox"/> Straight Pipe	<input type="checkbox"/> Weld Joint	<input type="checkbox"/> Elbow	<input type="checkbox"/> T-piece
	<input type="checkbox"/> Vessel			
Pipe/Pipeline external coating	<input type="checkbox"/> Bare steel	<input type="checkbox"/> Coating:		
Pipe/Pipeline internal coating	<input type="checkbox"/> Bare steel	<input type="checkbox"/> Coating:		
Pipe/Pipeline Material Grade	Grade:			
Data Logger (DL) configuration and operation mode: (see figures below)	Power supply:	<input type="checkbox"/> 110/230 VAC	<input type="checkbox"/> 12-24 VDC	<input type="checkbox"/> Battery
	Location:	<input type="checkbox"/> Ex rated area	<input type="checkbox"/> Safe Zone Outdoor	<input type="checkbox"/> Safe Zone Indoor
	Operation mode:	<input type="checkbox"/> Fully automated (online & real-time), no. of readings per day:	<input type="checkbox"/> Semi-automated (local storage of data), no. of readings per day:	<input type="checkbox"/> Manual operation
Cable length from Data Logger to Swarm Location:	Meters:		ft.:	

3 Three Swarm Configurations and operational modes

INSTALLATION LOCATIONS	WELD JOINT 	T-PIECE 	ELBOW 	
THREE SWARM CONFIGURATIONS	FULLY AUTOMATED  <p>PipeMonit[®] Swarm <i>(example configuration)</i></p>		FULLY AUTOMATED  <p>PipeMonit[®] Swarm <i>(example configuration)</i></p>	
	SEMI AUTOMATED  <p>PipeMonit[®] Swarm <i>(example configuration)</i></p>		MANUAL  <p>PipeMonit[®] Swarm <i>(example configuration)</i></p>	
	<p>Note: All operational modes can be set up as either safe or hazardous zone or as a combination of the two where the S1 Sensors are placed in the hazardous zone whilst the Data Logger or the PDL operates in the safe zone</p>			
	<p>Please submit to: mail@sensorlink.no</p>			