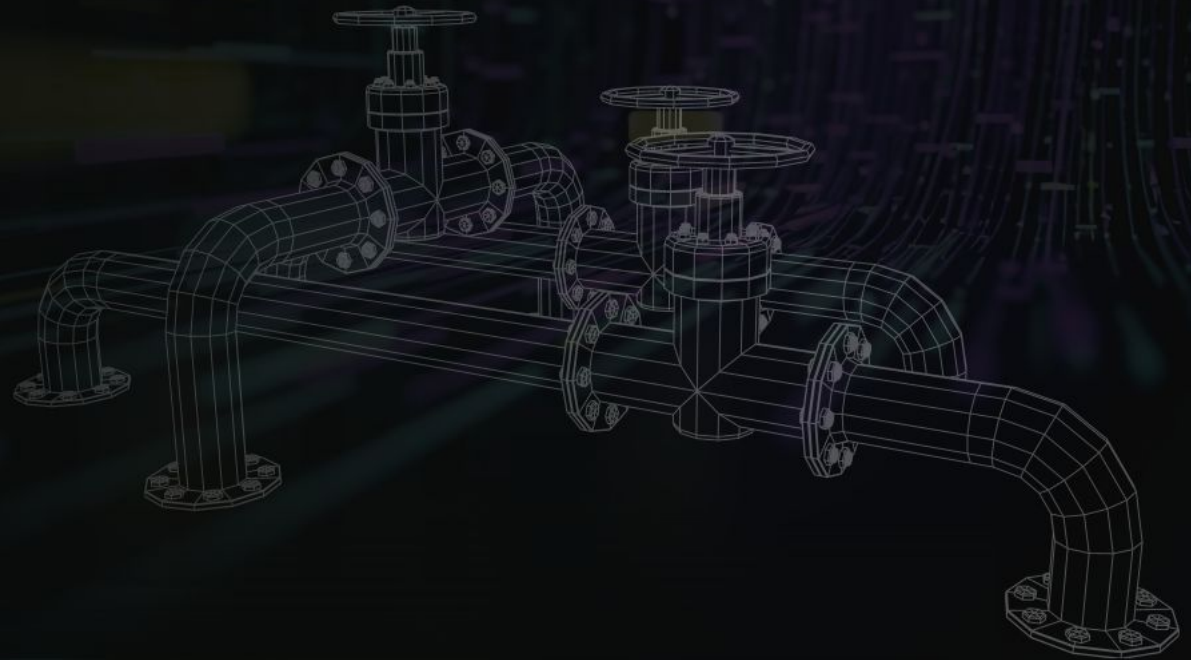


Beyond Standards: Can AI Make Traditional Protocols Obsolete?


Marty Dytrych

CEO of Industrial Data Labs



Common Problem Resulting from Lack of Standards

ITEM NO.	PART NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	EXT. COST	COMMENTS
1	800	12" 90 DEG ELBOW, XS, BE, ASTM A80 GRADE WPHY RL, EPW, 100N RT, API 5L PSL2 IMPACT TEST 1SF, MSS SP-7A, 100% NDS SERVICE	48	EA	-	-	
2	800	12" 90 DEG ELBOW, STD WT, BE, ASTM A80 GRADE WPHY RL, EPW, 100N RT, API 5L PSL2 IMPACT TEST 1SF, MSS SP-7A, 100% NDS SERVICE	14	EA	-	-	
3	800	12" 90 DEG ELBOW, XS, BE, ASTM A80 GRADE WPHY RL, EPW, 100N RT, API 5L PSL2 IMPACT TEST 1SF, MSS SP-7A, 100% NDS SERVICE	41	EA	-	-	
4	800	12" 90 DEG ELBOW, STD WT, BE, ASTM A80 GRADE WPHY RL, EPW, 100N RT, API 5L PSL2 IMPACT TEST 1SF, MSS SP-7A, 100% NDS SERVICE	17	EA	-	-	
5	800	12" 90 DEG ELBOW, XS, BE, ASTM A80 GRADE WPHY RL, EPW, 100N RT, API 5L PSL2 IMPACT TEST 1SF, MSS SP-7A, 100% NDS SERVICE	80	EA	-	-	
6	800	12" 90 DEG ELBOW, STD WT, BE, ASTM A80 GRADE WPHY RL, EPW, 100N RT, API 5L PSL2 IMPACT TEST 1SF, MSS SP-7A, 100% NDS SERVICE	2	EA	-	-	
7	800	12" 90 DEG ELBOW, XS, BE, ASTM A80 GRADE WPHY RL, EPW, 100N RT, API 5L PSL2 IMPACT TEST 1SF, MSS SP-7A, 100% NDS SERVICE	42	EA	-	-	
8	800	12" 90 DEG ELBOW, STD WT, BE, ASTM A80 GRADE WPHY RL, EPW, 100N RT, API 5L PSL2 IMPACT TEST 1SF, MSS SP-7A, 100% NDS SERVICE	4	EA	-	-	



Request for Quote
RFQ22-427

REQUISITION INFORMATION
(TO BE COMPLETED BY REQUESTOR)

DATE REQUESTED:	DELIVERY DATE:	Project #:	FAVORABLE:	TAX RATE:	DELIVERY LOCATION:
			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Labelleco Fabrication
VENUE:		SHIP VIA:	DEALER CONTACT:		
			13511 FM 365		
CONTACT:		PHONE:	CITY, STATE, ZIP:		
			BMT, TX, 77705		

ITEM	QTY/FEET	DESCRIPTION	Delivery	UNIT PRICE	EXTENDED PRICE
1	40	3/4" PIPE S/405 EFW A312 TP316/316L (DUAL CERT.) JOINT EFF=80			
2	20	1" PIPE S/105 EFW A312 TP316/316L (DUAL CERT.) JOINT EFF=80			
3	40	2" PIPE S/105 EFW A312 TP316/316L (DUAL CERT.) JOINT EFF=80			
4	20	3/4" Pipe Smls Sch 80 A106B			
5	20	2" Pipe ERW Sch STD A53B			
6	2	3/4" x3" Nipple Smls Sch 80 A106B PBE			
7	2	3/4" x4" Nipple Smls Sch 160 A106B PE-THD			
8	2	3/4" 3000# SW 45 Ell A182 F316/L (Dual Cert)			
9	5	3/4" 3000# SW 90 Ell A182 F316/L (Dual Cert)			
10	1	1" LR 45 Ell Sch 105 A403 WP-316/L (Dual Cert)			
11	5	1" LR 90 Ell Sch 105 A403 WP-316/L (Dual Cert)			
12	2	2" LR 45 Ell Sch 105 A403 WP-316/L (Dual Cert)			
13	3	2" LR 90 Ell Sch 105 A403 WP-316/L (Dual Cert)			
14	2	3/4" 3000# SW 90 Ell A105			
15	4	2" LR 45 Ell Sch STD A234 WPB			
16	14	2" LR 90 Ell Sch STD A234 WPB			
17	1	3/4" 3000# SW Tee A182 F316/L (Dual Cert)			
18	1	2" Smt Tee Sch 105 A403 WP316L (Dual Cert)			

CS PIPE

Please assume that each tab could be awarded individually. Exclude any applicable taxes, tariffs, etc.

#	Material Code	Component	Examination Class	MFR based on 30	Part Spec	Face spec	Description	Material Type	Material Designat	Size 10"	Size 12"	Size 14"	Size 16"	Size 18"	Size 20"	Size 24"	Size 30"	Size 36"	Size 42"	Size 48"	Size 60"	Size 72"	Size 84"	Size 96"	Size 108"	Size 120"	Size 144"	Size 168"	Size 192"	Size 216"	Size 240"	Size 270"	Size 300"	Size 324"	Size 360"	Size 396"	Size 432"	Size 468"	Size 504"	Size 540"	Size 576"	Size 612"	Size 648"	Size 684"	Size 720"	Size 756"	Size 792"	Size 828"	Size 864"	Size 900"	Size 936"	Size 972"	Size 1008"	Size 1044"	Size 1080"	Size 1116"	Size 1152"	Size 1188"	Size 1224"	Size 1260"	Size 1296"	Size 1332"	Size 1368"	Size 1404"	Size 1440"	Size 1476"	Size 1512"	Size 1548"	Size 1584"	Size 1620"	Size 1656"	Size 1692"	Size 1728"	Size 1764"	Size 1800"	Size 1836"	Size 1872"	Size 1908"	Size 1944"	Size 1980"	Size 2016"	Size 2052"	Size 2088"	Size 2124"	Size 2160"	Size 2196"	Size 2232"	Size 2268"	Size 2304"	Size 2340"	Size 2376"	Size 2412"	Size 2448"	Size 2484"	Size 2520"	Size 2556"	Size 2592"	Size 2628"	Size 2664"	Size 2700"	Size 2736"	Size 2772"	Size 2808"	Size 2844"	Size 2880"	Size 2916"	Size 2952"	Size 2988"	Size 3024"	Size 3060"	Size 3096"	Size 3132"	Size 3168"	Size 3204"	Size 3240"	Size 3276"	Size 3312"	Size 3348"	Size 3384"	Size 3420"	Size 3456"	Size 3492"	Size 3528"	Size 3564"	Size 3600"	Size 3636"	Size 3672"	Size 3708"	Size 3744"	Size 3780"	Size 3816"	Size 3852"	Size 3888"	Size 3924"	Size 3960"	Size 3996"	Size 4032"	Size 4068"	Size 4104"	Size 4140"	Size 4176"	Size 4212"	Size 4248"	Size 4284"	Size 4320"	Size 4356"	Size 4392"	Size 4428"	Size 4464"	Size 4500"	Size 4536"	Size 4572"	Size 4608"	Size 4644"	Size 4680"	Size 4716"	Size 4752"	Size 4788"	Size 4824"	Size 4860"	Size 4896"	Size 4932"	Size 4968"	Size 5004"	Size 5040"	Size 5076"	Size 5112"	Size 5148"	Size 5184"	Size 5220"	Size 5256"	Size 5292"	Size 5328"	Size 5364"	Size 5400"	Size 5436"	Size 5472"	Size 5508"	Size 5544"	Size 5580"	Size 5616"	Size 5652"	Size 5688"	Size 5724"	Size 5760"	Size 5796"	Size 5832"	Size 5868"	Size 5904"	Size 5940"	Size 5976"	Size 6012"	Size 6048"	Size 6084"	Size 6120"	Size 6156"	Size 6192"	Size 6228"	Size 6264"	Size 6300"	Size 6336"	Size 6372"	Size 6408"	Size 6444"	Size 6480"	Size 6516"	Size 6552"	Size 6588"	Size 6624"	Size 6660"	Size 6696"	Size 6732"	Size 6768"	Size 6804"	Size 6840"	Size 6876"	Size 6912"	Size 6948"	Size 6984"	Size 7020"	Size 7056"	Size 7092"	Size 7128"	Size 7164"	Size 7200"	Size 7236"	Size 7272"	Size 7308"	Size 7344"	Size 7380"	Size 7416"	Size 7452"	Size 7488"	Size 7524"	Size 7560"	Size 7596"	Size 7632"	Size 7668"	Size 7704"	Size 7740"	Size 7776"	Size 7812"	Size 7848"	Size 7884"	Size 7920"	Size 7956"	Size 7992"	Size 8028"	Size 8064"	Size 8100"	Size 8136"	Size 8172"	Size 8208"	Size 8244"	Size 8280"	Size 8316"	Size 8352"	Size 8388"	Size 8424"	Size 8460"	Size 8496"	Size 8532"	Size 8568"	Size 8604"	Size 8640"	Size 8676"	Size 8712"	Size 8748"	Size 8784"	Size 8820"	Size 8856"	Size 8892"	Size 8928"	Size 8964"	Size 9000"	Size 9036"	Size 9072"	Size 9108"	Size 9144"	Size 9180"	Size 9216"	Size 9252"	Size 9288"	Size 9324"	Size 9360"	Size 9396"	Size 9432"	Size 9468"	Size 9504"	Size 9540"	Size 9576"	Size 9612"	Size 9648"	Size 9684"	Size 9720"	Size 9756"	Size 9792"	Size 9828"	Size 9864"	Size 9900"	Size 9936"	Size 9972"	Size 10008"	Size 10044"	Size 10080"	Size 10116"	Size 10152"	Size 10188"	Size 10224"	Size 10260"	Size 10296"	Size 10332"	Size 10368"	Size 10404"	Size 10440"	Size 10476"	Size 10512"	Size 10548"	Size 10584"	Size 10620"	Size 10656"	Size 10692"	Size 10728"	Size 10764"	Size 10800"	Size 10836"	Size 10872"	Size 10908"	Size 10944"	Size 10980"	Size 11016"	Size 11052"	Size 11088"	Size 11124"	Size 11160"	Size 11196"	Size 11232"	Size 11268"	Size 11304"	Size 11340"	Size 11376"	Size 11412"	Size 11448"	Size 11484"	Size 11520"	Size 11556"	Size 11592"	Size 11628"	Size 11664"	Size 11700"	Size 11736"	Size 11772"	Size 11808"	Size 11844"	Size 11880"	Size 11916"	Size 11952"	Size 11988"	Size 12024"	Size 12060"	Size 12096"	Size 12132"	Size 12168"	Size 12204"	Size 12240"	Size 12276"	Size 12312"	Size 12348"	Size 12384"	Size 12420"	Size 12456"	Size 12492"	Size 12528"	Size 12564"	Size 12600"	Size 12636"	Size 12672"	Size 12708"	Size 12744"	Size 12780"	Size 12816"	Size 12852"	Size 12888"	Size 12924"	Size 12960"	Size 12996"	Size 13032"	Size 13068"	Size 13104"	Size 13140"	Size 13176"	Size 13212"	Size 13248"	Size 13284"	Size 13320"	Size 13356"	Size 13392"	Size 13428"	Size 13464"	Size 13500"	Size 13536"	Size 13572"	Size 13608"	Size 13644"	Size 13680"	Size 13716"	Size 13752"	Size 13788"	Size 13824"	Size 13860"	Size 13896"	Size 13932"	Size 13968"	Size 14004"	Size 14040"	Size 14076"	Size 14112"	Size 14148"	Size 14184"	Size 14220"	Size 14256"	Size 14292"	Size 14328"	Size 14364"	Size 14400"	Size 14436"	Size 14472"	Size 14508"	Size 14544"	Size 14580"	Size 14616"	Size 14652"	Size 14688"	Size 14724"	Size 14760"	Size 14796"	Size 14832"	Size 14868"	Size 14904"	Size 14940"	Size 14976"	Size 15012"	Size 15048"	Size 15084"	Size 15120"	Size 15156"	Size 15192"	Size 15228"	Size 15264"	Size 15300"	Size 15336"	Size 15372"	Size 15408"	Size 15444"	Size 15480"	Size 15516"	Size 15552"	Size 15588"	Size 15624"	Size 15660"	Size 15696"	Size 15732"	Size 15768"	Size 15804"	Size 15840"	Size 15876"	Size 15912"	Size 15948"	Size 15984"	Size 16020"	Size 16056"	Size 16092"	Size 16128"	Size 16164"	Size 16200"	Size 16236"	Size 16272"	Size 16308"	Size 16344"	Size 16380"	Size 16416"	Size 16452"	Size 16488"	Size 16524"	Size 16560"	Size 16596"	Size 16632"	Size 16668"	Size 16704"	Size 16740"	Size 16776"	Size 16812"	Size 16848"	Size 16884"	Size 16920"	Size 16956"	Size 16992"	Size 17028"	Size 17064"	Size 17100"	Size 17136"	Size 17172"	Size 17208"	Size 17244"	Size 17280"	Size 17316"	Size 17352"	Size 17388"	Size 17424"	Size 17460"	Size 17496"	Size 17532"	Size 17568"	Size 17604"	Size 17640"	Size 17676"	Size 17712"	Size 17748"	Size 17784"	Size 17820"	Size 17856"	Size 17892"	Size 17928"	Size 17964"	Size 18000"	Size 18036"	Size 18072"	Size 18108"	Size 18144"	Size 18180"	Size 18216"	Size 18252"	Size 18288"	Size 18324"	Size 18360"	Size 18396"	Size 18432"	Size 18468"	Size 18504"	Size 18540"	Size 18576"	Size 18612"	Size 18648"	Size 18684"	Size 18720"	Size 18756"	Size 18792"	Size 18828"	Size 18864"	Size 18900"	Size 18936"	Size 18972"	Size 19008"	Size 19044"	Size 19080"	Size 19116"	Size 19152"	Size 19188"	Size 19224"	Size 19260"	Size 19296"	Size 19332"	Size 19368"	Size 19404"	Size 19440"	Size 19476"	Size 19512"	Size 19548"	Size 19584"	Size 19620"	Size 19656"	Size 19692"	Size 19728"	Size 19764"	Size 19800"	Size 19836"	Size 19872"	Size 19908"	Size 19944"	Size 19980"	Size 20016"	Size 20052"	Size 20088"	Size 20124"	Size 20160"	Size 20196"	Size 20232"	Size 20268"	Size 20304"	Size 20340"	Size 20376"	Size 20412"	Size 20448"	Size 20484"	Size 20520"	Size 20556"	Size 20592"	Size 20628"	Size 20664"	Size 20700"	Size 20736"	Size 20772"	Size 20808"	Size 20844"	Size 20880"	Size 20916"	Size 20952"	Size 20988"	Size 21024"	Size 21060"	Size 21096"	Size 21132"	Size 21168"	Size 21204"	Size 21240"	Size 21276"	Size 21312"	Size 21348"	Size 21384"	Size 21420"	Size 21456"	Size 21492"	Size 21528"	Size 21564"	Size 21600"	Size 21636"	Size 21672"	Size 21708"	Size 21744"	Size 21780"	Size 21816"	Size 21852"	Size 21888"	Size 21924"	Size 21960"	Size 21996"	Size 22032"	Size 22068"	Size 22104"	Size 22140"	Size 22176"	Size 22212"	Size 22248"	Size 22284"	Size 22320"	Size 22356"	Size 22392"	Size 22428"	Size 22464"	Size 22500"	Size 22536"	Size 22572"	Size 22608"	Size 22644"	Size 22680"	Size 22716"	Size 22752"	Size 22788"	Size 22824"	Size 22860"	Size 22896"	Size 22932"	Size 22968"	Size 23004"	Size 23040"	Size 23076"	Size 23112"	Size 23148"	Size 23184"	Size 23220"	Size 23256"	Size 23292"	Size 23328"	Size 23364"	Size 23400"	Size 23436"	Size 23472"	Size 23508"	Size 23544"	Size 23580"	Size 23616"	Size 23652"	Size 23688"	Size 23724"	Size 23760"	Size 23796"	Size 23832"	Size 23868"	Size 23904"	Size 23940"	Size 23976"	Size 24012"	Size 24048"	Size 24084"	Size 24120"	Size 24156"	Size 24192"	Size 24228"	Size 24264"	Size 24300"	Size 24336"	Size 24372"	Size 24408"	Size 24444"	Size 24480"	Size 24516"	Size 24552"	Size 24588"	Size 24624"	Size 24660"	Size 24696"	Size 24732"	Size 24768"	Size 24804"	Size 24840"	Size 24876"	Size 24912"	Size 24948"	Size 24984"	Size 25020"	Size 25056"	Size 25092"	Size 25128"	Size 25164"	Size 25200"	Size 25236"	Size 25272"	Size 25308"	Size 25344"	Size 25380"	Size 25416"	Size 25452"	Size 25488"	Size 25524"	Size 25560"	Size 25596"	Size 25632"	Size 25668"	Size 25704"	Size 25740"	Size 25776"	Size 25812"	Size 25848"	Size 25884"	Size 25920"	Size 25956"	Size 25992"	Size 26028"	Size 26064"	Size 26100"	Size 26136"	Size 26172"	Size 26208"	Size 26244"	Size 26280"	Size 2631
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Problem Solved with Standards

D3889 PIPE, VALVES AND FITTINGS										
1	A Noun	B Modifier	C Unique	D Category	E Code	F 1	G 2	H 3	I 4	J 5
3886	VALVE	REGULATING	108638	MAINTENANCE, REPAIR & OPERATIONS	41112404	SEAT MATERIAL	APPLICATION	DIMENSIONAL STAN	OPENING	TYPE
3887	VALVE	RELIEF	101097	PIPE, VALVES AND FITTINGS	40141606	SEAL MATERIAL	SEAT MATERIAL	SPECIAL REQUIREME	TEMPERATURE RATING	FLOW RATE
3888	VALVE	ROTARY	108622	PIPE, VALVES AND FITTINGS	40141600	SPECIAL FEATURES	TYPE	NOMINAL SIZE	PRESSURE RATING	END CONNECTION T
3889	VALVE	SAFETY	113058	PIPE, VALVES AND FITTINGS	40141604	CAPACITY	BONNET TYPE	OPENING	PACKING MATERIAL	SEAL MATERIAL
3890	VALVE	SAMPLING	108589	PIPE, VALVES AND FITTINGS	40141600	APPLICATION	TYPE	NOMINAL SIZE	PRESSURE CLASS	BODY MATERIAL
3891	VALVE	SERVO	108571	PIPE, VALVES AND FITTINGS	40141600	SEAT MATERIAL	APPLICATION	TYPE	SIZE	PRESSURE RATING
3892	VALVE	SHUTOFF	108553	PIPE, VALVES AND FITTINGS	40141600	TYPE	NOMINAL SIZE	ORIFICE SIZE	BODY MATERIAL	END CONNECTION
3893	VALVE	SLIDE	101541	PIPE, VALVES AND FITTINGS	40141600	TYPE	TRIM MATERIAL	SIZE	PRESSURE RATING	END STYLE
3894	VALVE	SOLENOID	101101	PIPE, VALVES AND FITTINGS	40141605	SEAL MATERIAL	SEAT MATERIAL	SPECIAL REQUIREME	AMPS	TEMPERATURE RATI
3895	VALVE	SUBSURFACE SAFETY	101145	WELLHEAD EQUIPMENT	20121427	SPECIAL REQUIREMENT	TYPE	APPLICATION	MATERIAL	SECONDARY VALVE C
3896	VALVE	SUBSURFACE SAFETY	101146	WELLHEAD EQUIPMENT	20121427	VALVE SIZE NOMINAL	TOP CONNECTION	RATED WORKING PRE	MINIMUM TEMPERATURE R	MAXIMUM TEMPERA
3897	VALVE	TRIP	113071	PIPE, VALVES AND FITTINGS	40141600	TYPE	SIZE	END CONNECTION T	END CONNECTION PREPAR	MATERIAL
3898	VALVE	WELLHEAD CHECK	101124	PIPE, VALVES AND FITTINGS	20141000	TYPE	PRODUCT SPECIFICATION	PRESSURE RATING	CONNECTION TYPE	CONNECTION SIZE
3899	VALVE	WELLHEAD GATE	101563	WELLHEAD EQUIPMENT	20141004	NOMINAL PIPE SIZE	TYPE	TRIM MATERIAL	SIZE	PRESSURE RATING
3900	VALVE KIT	SUBSURFACE SAFETY	101656	WELLHEAD EQUIPMENT	20121427	SIZE	THREAD SPECIFICATION	FLANGE FACING	TYPE	
3901	VANE		113735	FLOW DEVICES	40150000	CONSTRUCTION	SIZE	TYPE	PARENT FIGURE/MODEL NU	MATERIAL
3902	VARISTOR		113078	ELECTRICAL	32121603	APPLICATION	TYPE	VOLTAGE RATING	WATTAGE RATING	AMPERAGE RATING
3903	VASE		127238	UNKNOWN		TYPE	MATERIAL	SPECIAL FEATURES	APPLICATION	
3904	VEHICLE		123917	ARTIFICIAL LIFT EQUIPMENT	25100000	TYPE	STYLE	CAPACITY	SPECIAL FEATURES	APPLICATION
3905	VEHICLE	PASSENGER	121741	MECHANICAL	25101500	TYPE	STYLE	CAPACITY	SPECIAL FEATURES	
3906	VENT		123383	MAINTENANCE, REPAIR & OPERATIONS	40101503	WIDTH	APPLICATION	CONNECTION	TYPE	CONSTRUCTION
3907	VENT	AIR	100120	MAINTENANCE, REPAIR & OPERATIONS	40101503	APPLICATION	CONNECTION DESIGN	ELECTRICAL POWER	TYPE OF AIR CONDITIONING	THROUGHPUT
3908	VENTURI		116971	FLOW DEVICES	41112506	APPLICATION	LENGTH	MATERIAL	PIPE SIZE	PRESSURE RATING
3909	VESSEL	PRESSURE	116952	MAINTENANCE, REPAIR & OPERATIONS	23201102	SIZE	SPECIAL FEATURES	APPLICATION	CAPACITY	CERTIFICATION AUT
3910	VESSEL	RECEIVER	121750	PIPE, VALVES AND FITTINGS	23201102	SIZE	APPLICATION	TYPE	CAPACITY	NOMINAL SIZE
3911	VEST	SAFETY	106464	MAINTENANCE, REPAIR & OPERATIONS	46181507	TYPE	CONSTRUCTION	SIZE	APPLICATION	FEATURES

Reality

12" BALL VALVE, RF, FULL PORT, CL. 300 ASTM A216 GR. WCB, TRUNNION MOUNTED, 3 MIL ENP TRIM, GEAR OPERATOR, API-608

BALL VALVE, 2", CL150, RF , STANDARD PORT, CS BODY , 316 SS BALL & STEM, GRAPHITE SEATS & PACKING

VALVE GATE, CS A105, TH, 3/4" X 800, STEAM, TRIM SS 13% Cr.

VALVE GATE 600 1"

What if a Fine-Tuned Industry AI Existed?

Valve Attributes

type 1 | size 2 | pressure 3 | port 4 | operator 5 | trim 6 | end connection 7 | bonnet 8 | body material 9
trim material 0 | bonnet material q | service w | approvals/standards e

Flange Attributes

type t | pressure a | face s | schedule d | grade f | series g | supplemental requirements z | size 1 x
size 2 c

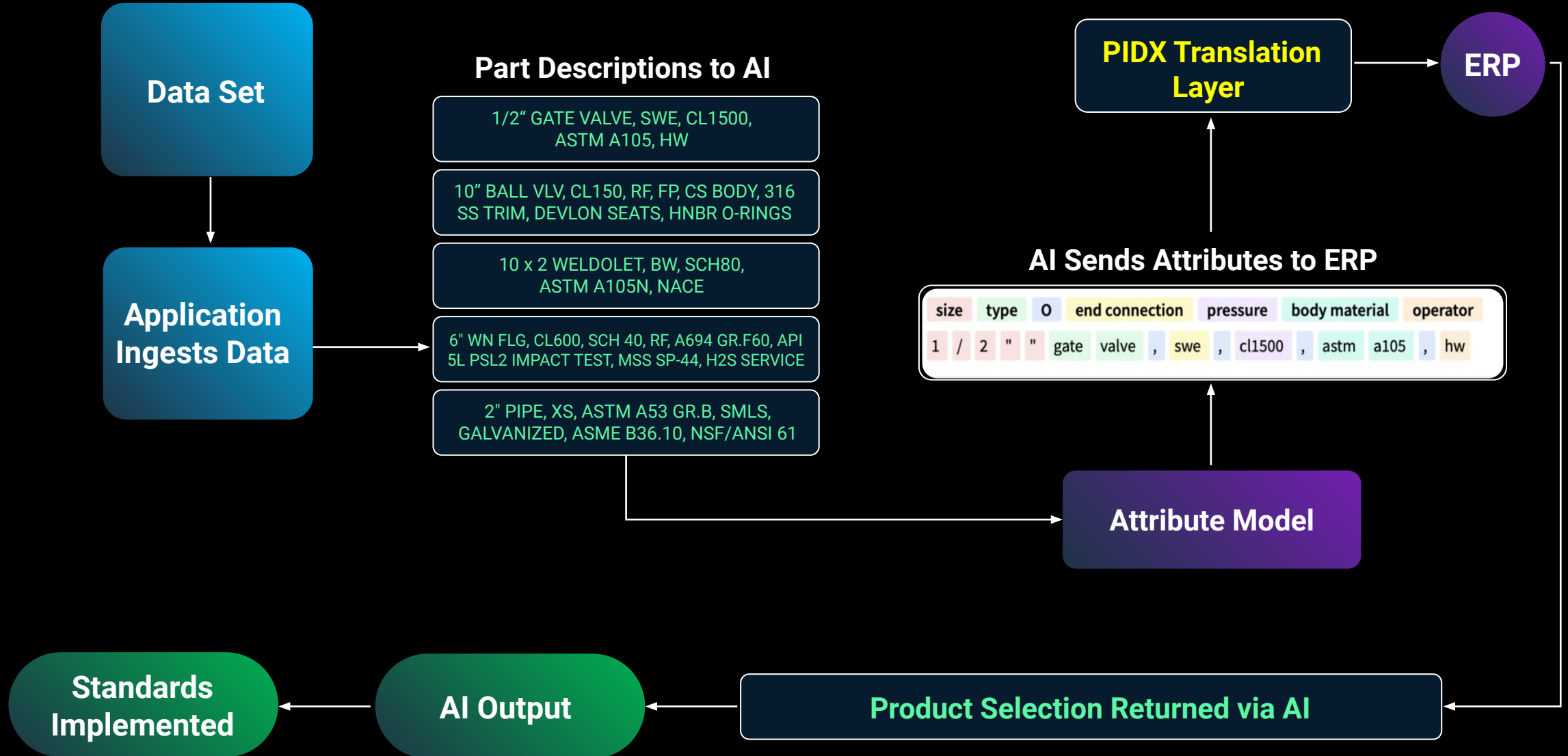
Fitting Attributes

type v | pressure b | grade y | NDT i | supplemental requirements o | size 1 p | size 2 j | schedule 1 k
schedule 2 l | construction n | end connection 1 m | end connection 2

Pipe Attributes

type | size | material | schedule | end preparation | NDT | supplemental requirements | construction | length

Standardization Workflow



Back to Reality

12" BALL VALVE, RF, FULL PORT, CL. 300 ASTM A216 GR. WCB, TRUNNION MOUNTED, 3 MIL ENP TRIM, GEAR OPERATOR, API-608

BALL VALVE, 2", CL150, RF , STANDARD PORT, CS BODY , 316 SS BALL & STEM, GRAPHITE SEATS & PACKING

VALVE GATE, CS A105, TH, 3/4" X 800, STEAM, TRIM SS 13% Cr.

VALVE GATE 600 1"

Predict the part type based on the product description.

Input field for product description, currently empty with a mouse cursor icon.

Run

☰ Examples

BALL VALVE, CL150, RF , STANDARD PORT, CS BODY , 316 SS BALL & STEM, GRAPHITE SEATS & PACKING

VALVE GATE, CS A105, TH, 3/4" X 800, STEAM, TRIM SS 13% Cr.

VALVE GATE P1V G37C 600 1"

2 Blind Flange 16'

8 10X8 Conc reducer sch40'

1/2"" GATE VALVE, SWE, CL1500, ASTM A105, HW

TUBE COIL

Current Model

☰ Label



Current Model

Beyond Standards: Can AI Make Traditional Protocols Obsolete?

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