

Acronym a Go Go

CRM, PDM, PLM & ERP - Which, Why and How

Steve Bedder

Senior Solutions Specialist

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Objectives for our Class

- Identify the key technology pillars within a manufacturing organisation
- Determine how, if and should they work together
- Share examples, experiences and best practices of integrated technology solutions
- Be interactive
- Have some fun



Steve Bedder

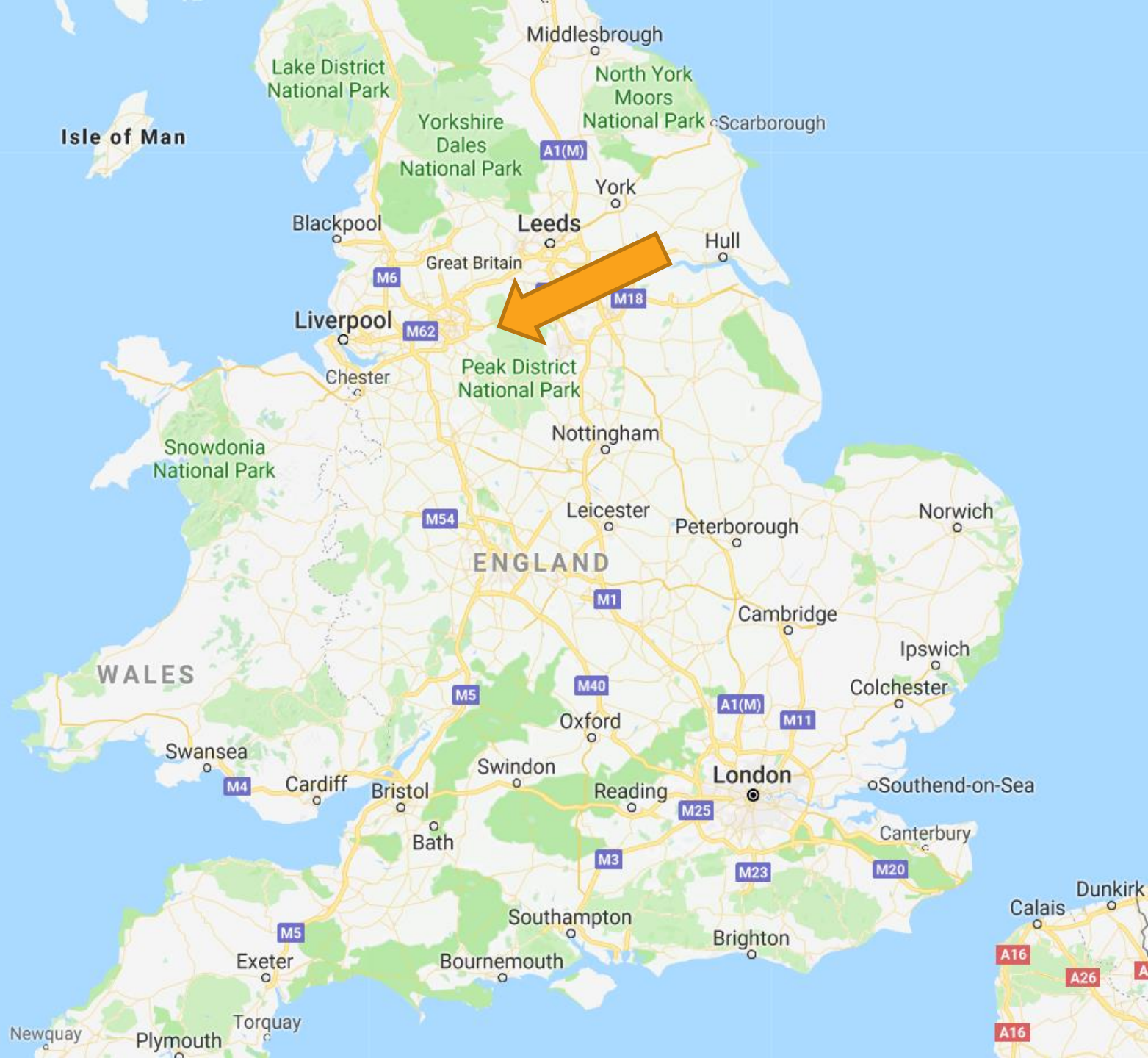
BSc(Hons) Computer Aided Product Design

Senior Solutions Specialist at Autodesk

20+ years working with manufacturers

Focused on design, data & process management

Based in the Peak District, UK









Aero Vs Light Vs Endurance – What Type Of Road Bike Should You Buy?

423,355 views

3.4K 63 SHARE

Shop "endurance bike"

SPONSORED



Wilier GTR Team Road Bike
(Ultegra - 2018) - S Stock Bike
£2,300.00
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Wilier Cento10NDR Disc Road
Bike (Ultegra - 2018) - S Stock
£5,100.00
Wiggle.co.uk



Cervelo C5 Dura Ace Di2 Disc
Road Bike 2017
£4,679.00
Sigma Sports



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How To Choose The Correct
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What's The Difference?
Global Cycling Network
3.5M views



Canyon 2018 Ultimate vs
Aerod vs Endurance



Lightweight

OR



Endurance

OR



Aero

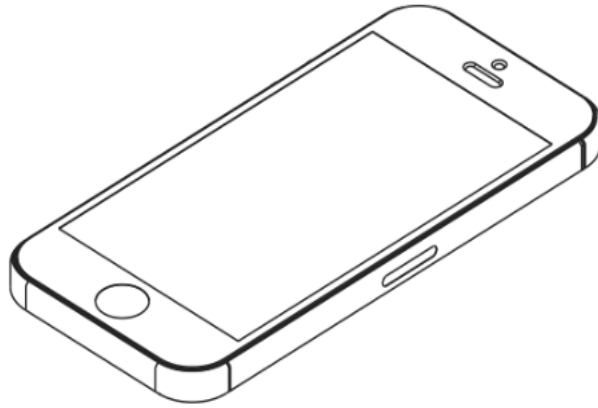


Which technologies do you use
in your business?



Go to **www.menti.com** and use the code **24 57 35**

i



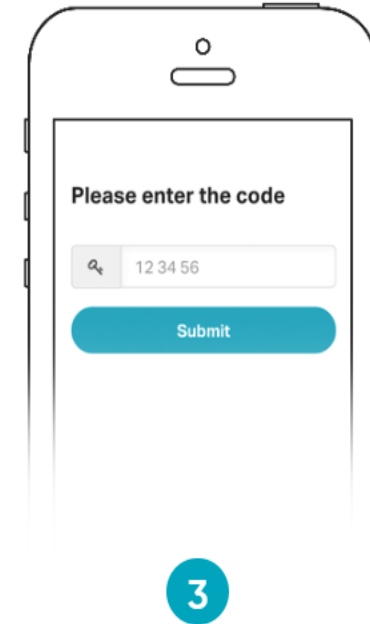
1

Grab your phone



2

Go to **www.menti.com**

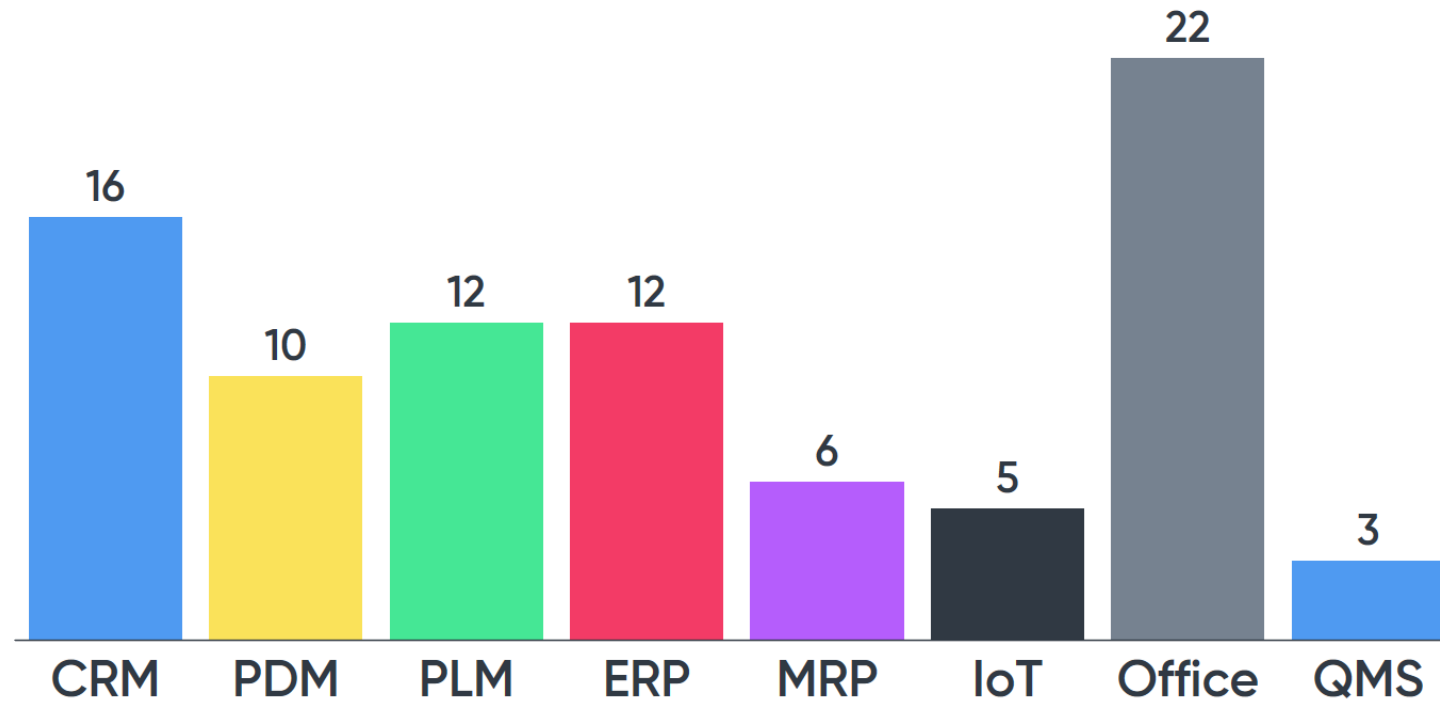


3

Enter the code **24 57 35** and vote!

Go to www.menti.com and use the code **93 34 27**

Which technologies do you use in your business?



Slide is not active

Activate

- CRM

- PPM

- CAD

- CAE

- CAM

- SCM

- ERP

- MRP

- PDM

- EDM

- BI

- ECM

- TDM

- PIM

- AML

- IOT

- CMS

- DMS

- PLM

- BPM

- QMS

What would you say is the most widely used technology within a manufacturing business?





Office



Item											
	A	B	C	D	E	F	G	H	I	J	
1	Item	Part Number	BOM Structure	QTY	Description	REV	Stock Number	Author	Mass	Material	Vendor
2	1	850-01	Purchased	1	SKID ASSEMBLY	A	SEB1001	john.kelso	93.596 kg		Acme In
3	1.1	850-01-S01C	Normal	2	MAIN CHANNEL	B	SEB1002	simon.dick	14.154 kg	3mm Galvanised Steel	Mcmast
4	1.2	850-01-S01B	Normal	1	SKID REAR	C	SEB1003	john.kelso	30.241 kg		Mcmast
5	1.2.1	850-01-S01B-1	Normal	1	SKID REAR SMW	D	SEB1004	john.kelso	30.228 kg	3mm Galvanised Steel	Mcmast
6	1.2.2	M8 PEM	Normal	28	M8 PEM	B	SEB1005	Kelso	0.000 kg	Generic	EV Engir
7	1.3	850-01-S01D	Normal	1	SHORT CHANNEL	D	SEB1006	simon.dick	4.825 kg	3mm Galvanised Steel	CPB Aut
8	1.4	850-01-S01A	Purchased	1	SKID FRONT	E	SEB1007	john.kelso	30.222 kg		CPB Aut
9	1.4.1	850-01-S01A-1	Normal	1	SKID FRONT SMW	D	SEB1008	john.kelso	30.204 kg	3mm Galvanised Steel	EV Engir
10	1.4.2	M8 PEM	Normal	28	M8 PEM	B	SEB1005	Kelso	0.000 kg	Generic	EV Engir
11	2	M8 Washer	Normal	6	M8 WASHER	A	SEB1010	john.kelso	0.000 kg	Generic	CPB Aut
12	3	850-02	Normal	1	CLADDING	C	SEB1011	Kelso	241.796 kg		EV Engir
13	3.1	850-02-S05A	Purchased	1	RHS TOP PANEL	D	SEB1012	Kelso	8.585 kg	1.2 mm Galvanised Steel	BB Fabri
14	3.2	850-02-S06A	Purchased	1	LHS TOP PANEL	E	SEB1013	Kelso	8.575 kg	1.2 mm Galvanised Steel	BB Fabri
15	3.3	850-02-S11A	Purchased	1	RHS WRAP	B	SEB1014	Kelso	1.160 kg	1.2 mm Galvanised Steel	BB Fabri
16	3.4	850-02-S12A	Purchased	1	LHS WRAP	D	SEB1015	Kelso	1.160 kg	1.2 mm Galvanised Steel	EV Engir
17	3.5	850-02-S03	Purchased	1	LHS FRONT CORNER	E	SEB1016	Kelso	11.643 kg		In house
18	3.5.1	850-02-S03A	Normal	1	LHS FRONT CORNER SMW	F	SEB1017	Kelso	11.641 kg	1.5 mm Galvanised Steel	EV Engir
19	3.5.2	M8 PEM	Normal	28	M8 PEM	B	SEB1005	Kelso	0.000 kg	Generic	EV Engir
20	3.6	850-02-S02	Purchased	1	RHS FRONT CORNER	A	SEB1019	Kelso	11.643 kg		EV Engir
21	3.6.1	850-02-S02A	Normal	1	RHS FRONT CORNER SMW	A	SEB1020	Kelso	11.641 kg	1.5 mm Galvanised Steel	EV Engir
22	3.6.2	M8 PEM	Normal	28	M8 PEM	B	SEB1005	Kelso	0.000 kg	Generic	EV Engir
23	3.7	850-02-S04	Purchased	1	TOP PANEL	B	SEB1022	Kelso	12.647 kg		EV Engir
24	3.7.1	850-02-S04A	Normal	1	TOP PANEL SMW	C	SEB1023	john.kelso	12.591 kg	1.5 mm Galvanised Steel	In house
25	3.7.2	M8 PEM	Normal	28	M8 PEM	B	SEB1005	Kelso	0.000 kg	Generic	EV Engir
26	3.7.3	S-M6-1 ZI	Purchased	16	PEM Self-Clinching Nuts S,SS,CLS	C	SEB1025	George.Fa	0.003 kg	Carbon Steel	PennEng
27	3.8	850-02-S22A	Purchased	2	EXHAUST COVER	E	SEB1026	john.kelso	0.579 kg	1.2 mm Galvanised Steel	In house
28	3.9	850-02-S01	Purchased	1	BACK PANEL	A	SEB1027	john.kelso	15.475 kg		In house
29	3.9.1	850-02-S01A	Normal	1	BACK PANEL SMW	E	SEB1028	Kelso	15.471 kg	1.5 mm Galvanised Steel	In house
30	3.9.2	M8 PEM	Normal	28	M8 PEM	B	SEB1005	Kelso	0.000 kg	Generic	EV Engir
31	3.10	850-02-S23	Purchased	1	EXHAUST COWL	C	SEB1030	john.kelso	0.542 kg		

Morning All

I've found most of the items for the MW-850 BoM and put them into the attached spreadsheet, it's not got everything in there as I could only get the mechanical\engineering items – I'm still waiting for the electrical and pneumatic items.

Whilst waiting for those can you check what I have is accurate and let me know if you notice any items that are missing or the wrong version

Thanks a lot

Steve

Steve Bedder
Senior Solutions Specialist
Autodesk

T: 07912 476 719
E: steve.bedder@autodesk.com

 **AUTODESK** Make anything possible

10★
Responses by Department

11★
Time Spent on Product\Project Development

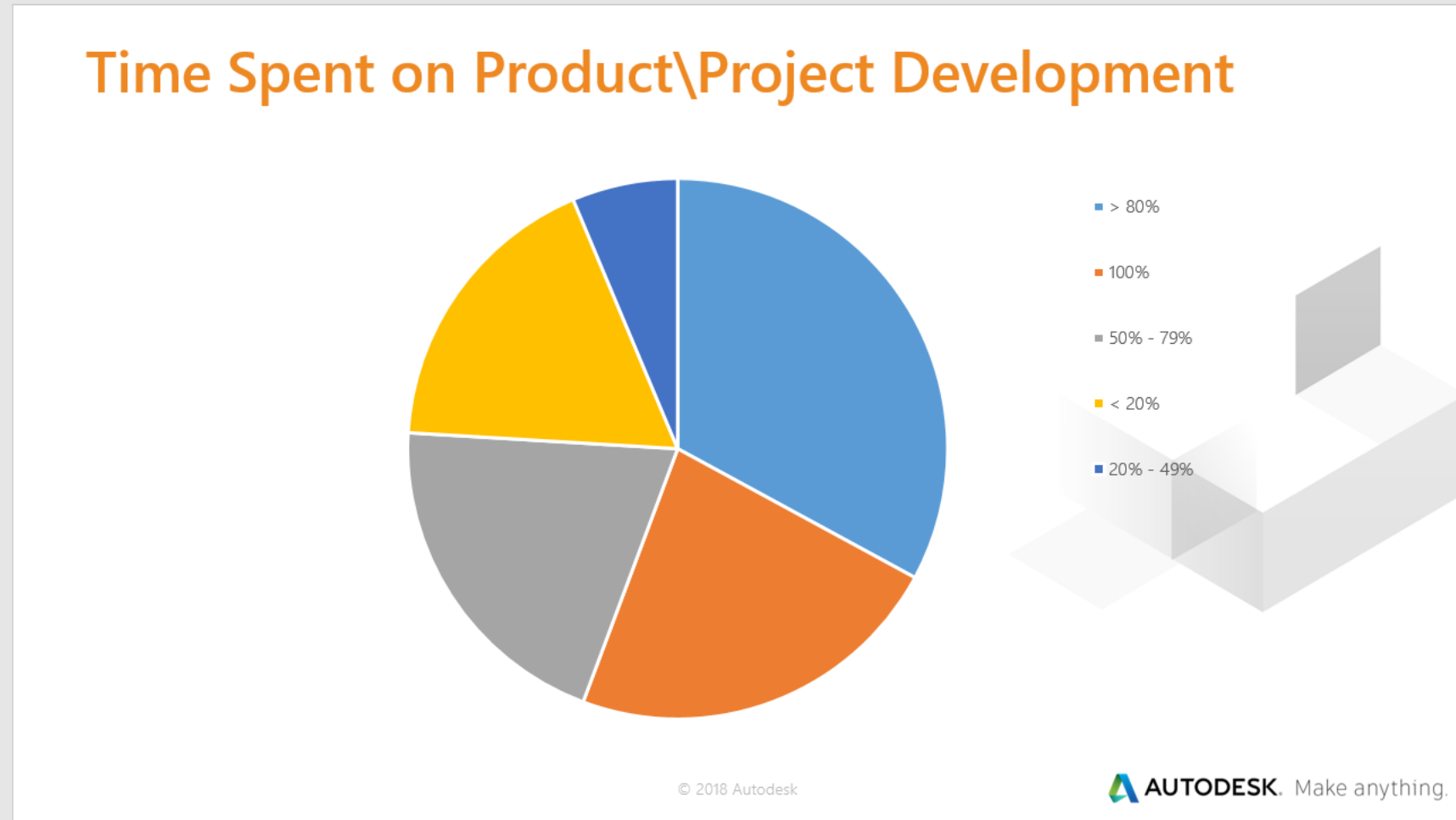
12★
Responses by Role

13★
Responses by Technology Used

14★
Responses by Process Involvement

15★
Perception of Process Maturity

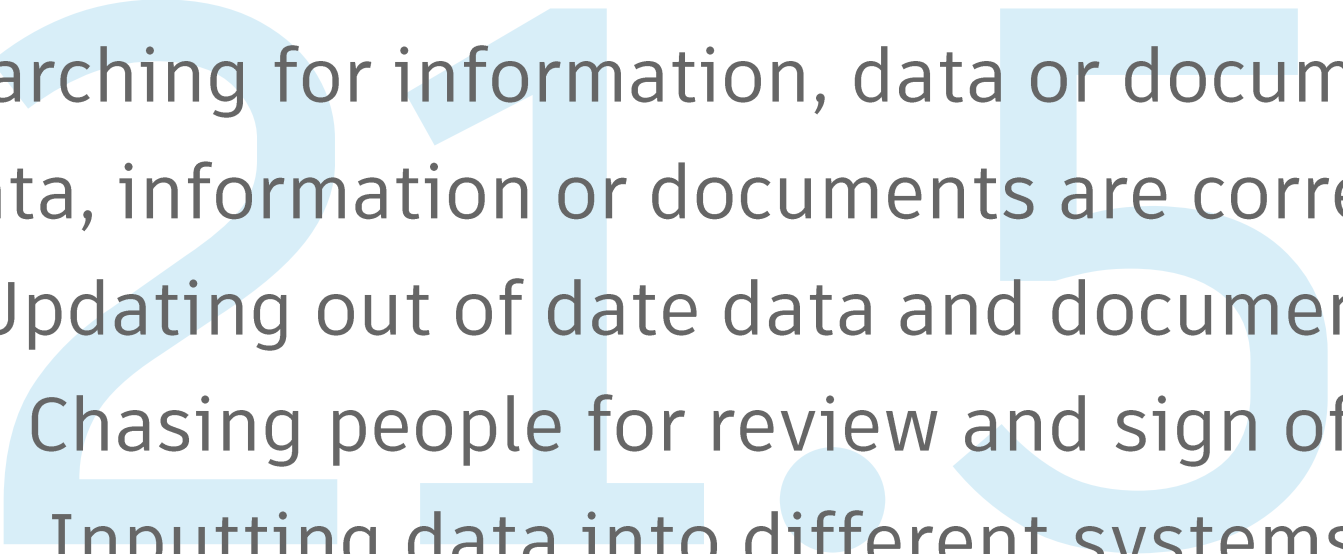
16★
Perception of Individual Process Maturity



75% spend more than 50% of their time

21.5

hours per person per week on potentially inefficient tasks\activities



Searching for information, data or documents
Verifying data, information or documents are correct\up to date
Updating out of date data and documents
Chasing people for review and sign off
Inputting data into different systems

hours per person per week on potentially inefficient tasks\activities

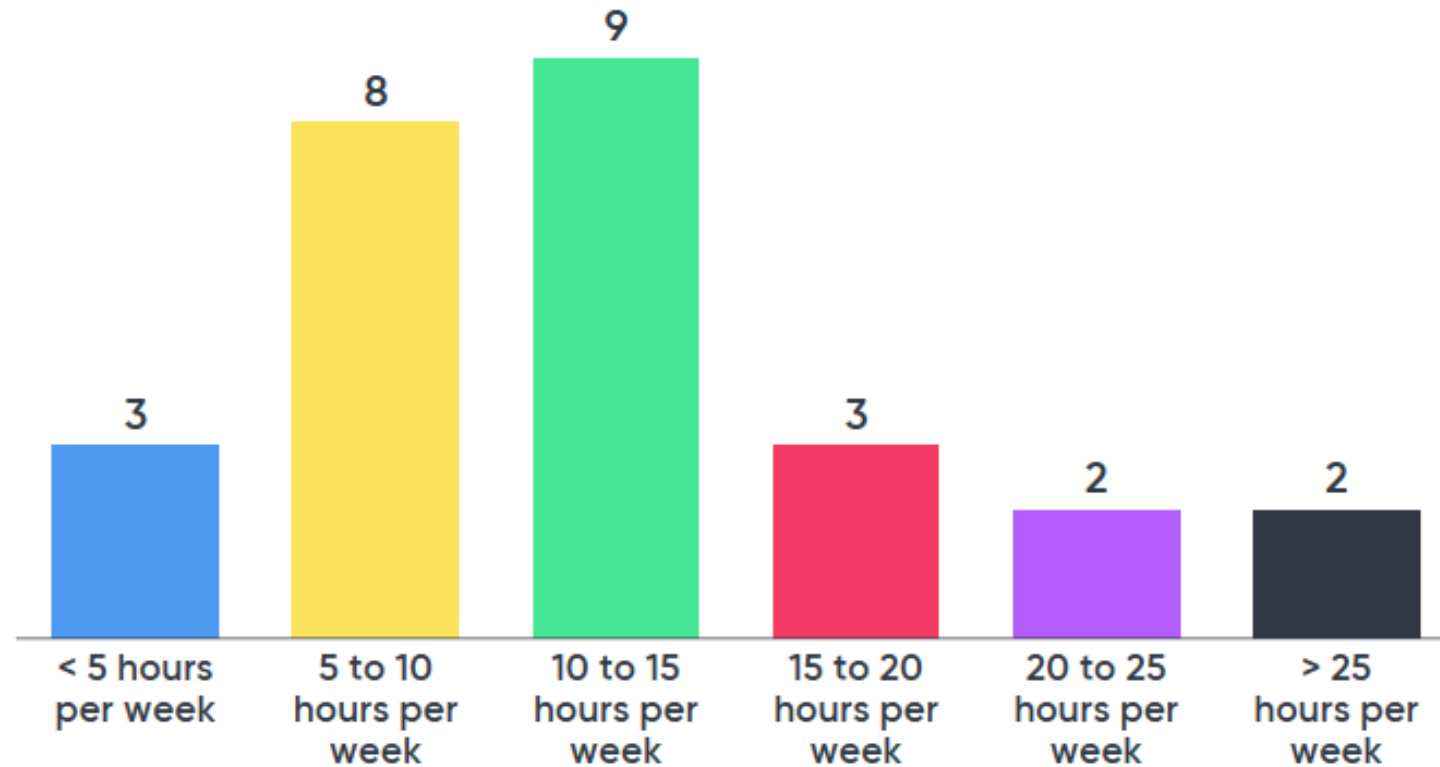
How much time do you think you
and your colleagues spend on
similar tasks\activities?

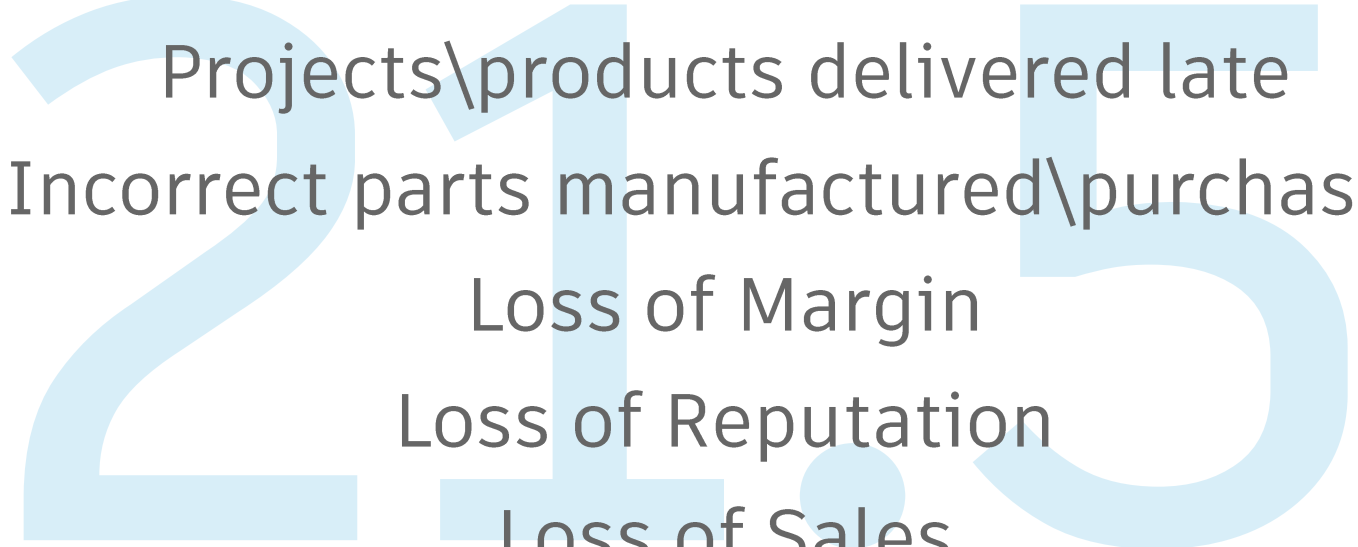


Go to www.menti.com and use the code 93 34 27

 Mentimeter

How many hours per week would you say you spend on potential non-value tasks?

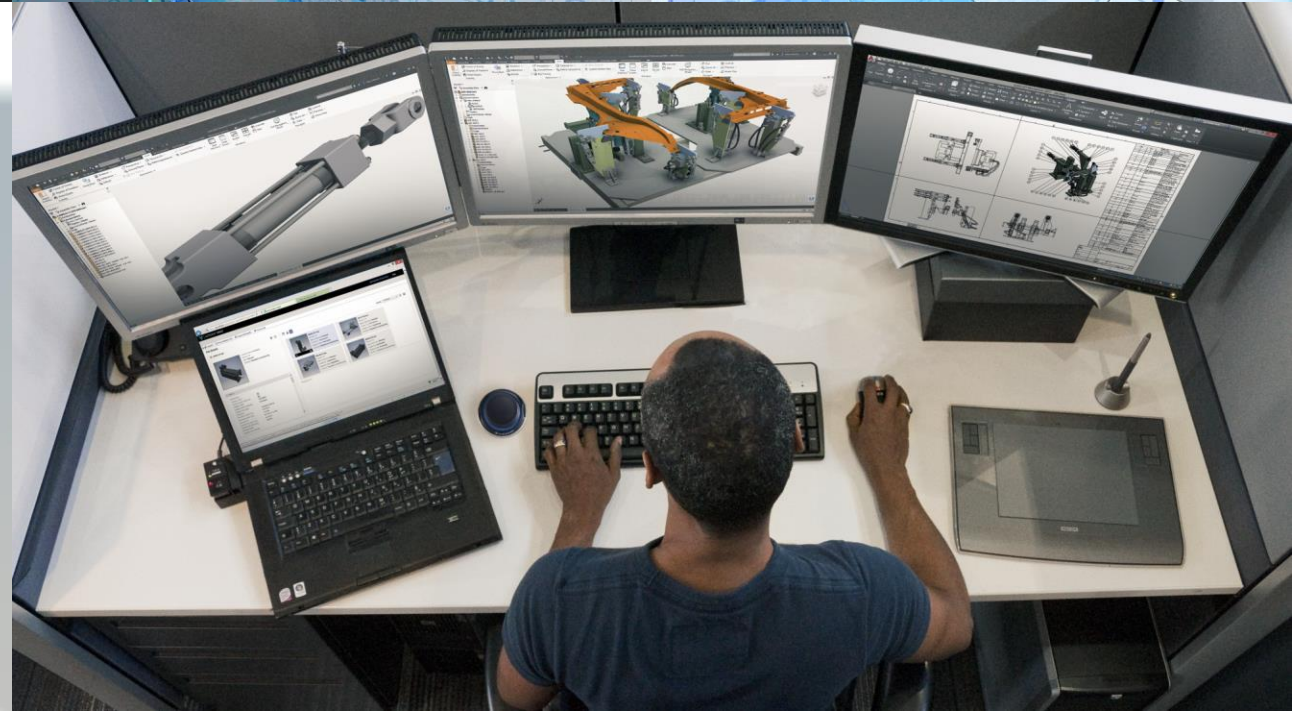
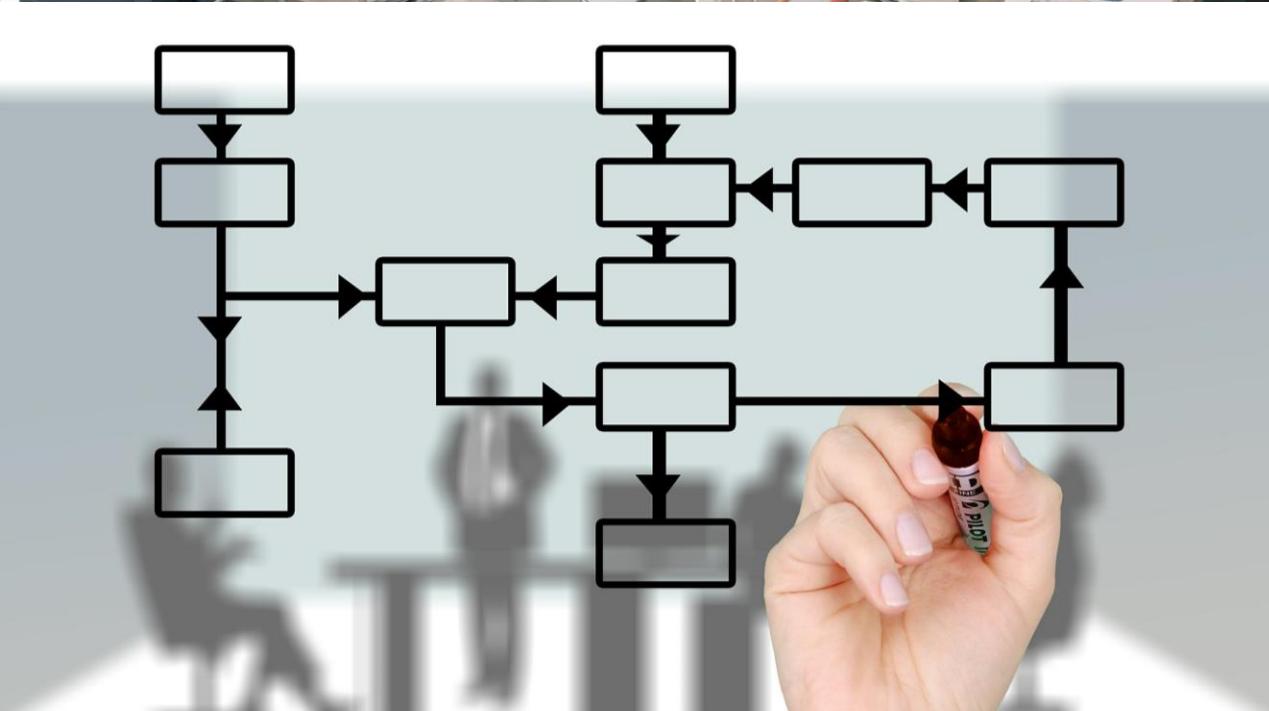




Projects\products delivered late
Incorrect parts manufactured\purchased
Loss of Margin
Loss of Reputation
Loss of Sales

hours per person per week on inefficient tasks\activities







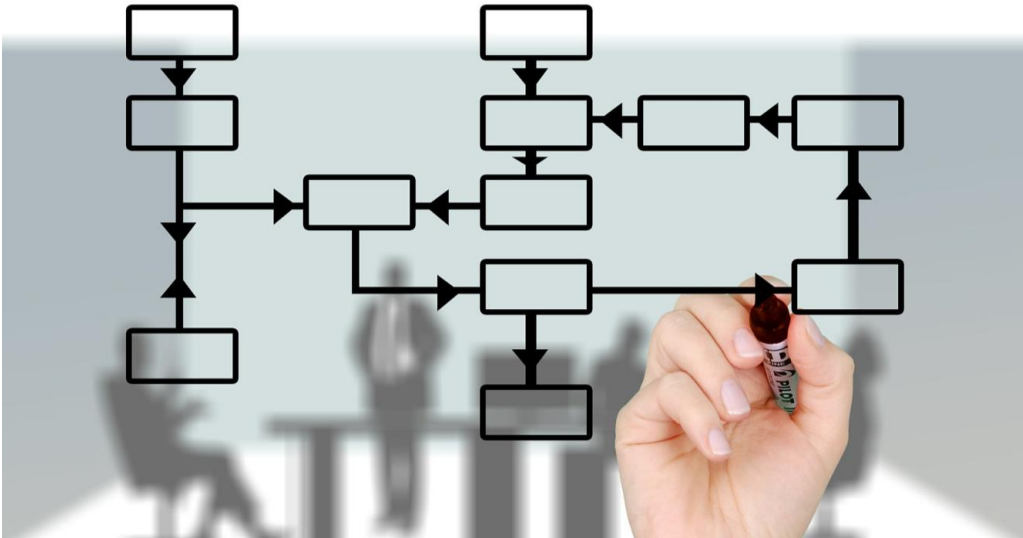
People

- Already time pressured
- Driving process
- Chasing people
- Creating data
- Fighting fires
- Reactive



Data

- Lots of it
- Various formats
- Not always correct, complete or up to date
- Document driven
- Multiple storage locations
- Behind security



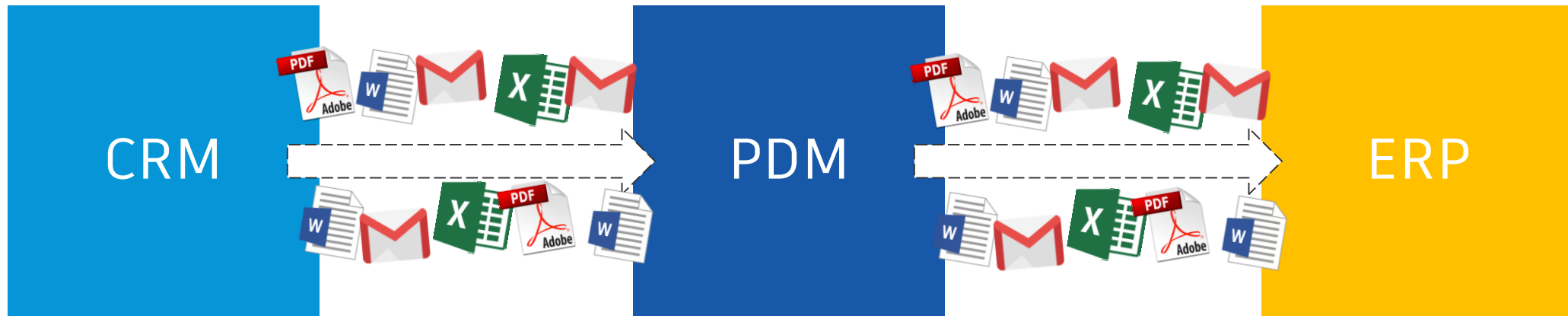
Process

- Driven by people
- Static
- High level
- Manual
- Email driven
- No validation



Technology

- Lots of it
- Mixture of focus
- Driven by multiple stakeholders
- Doesn't always meet user needs
- Augmented with office documents
- Disconnected



- Customers
- Account Management
- Forecasting
- Sales Automation
- Opportunities
- Marketing

- Engineering Documents
- Version Control
- Document Release
- In-CAD
- Engineering Change
- Copy Design

- Accounts & Finance
- Resource Management
- Production Planning
- Warehousing
- Stock & Inventory
- Procurement



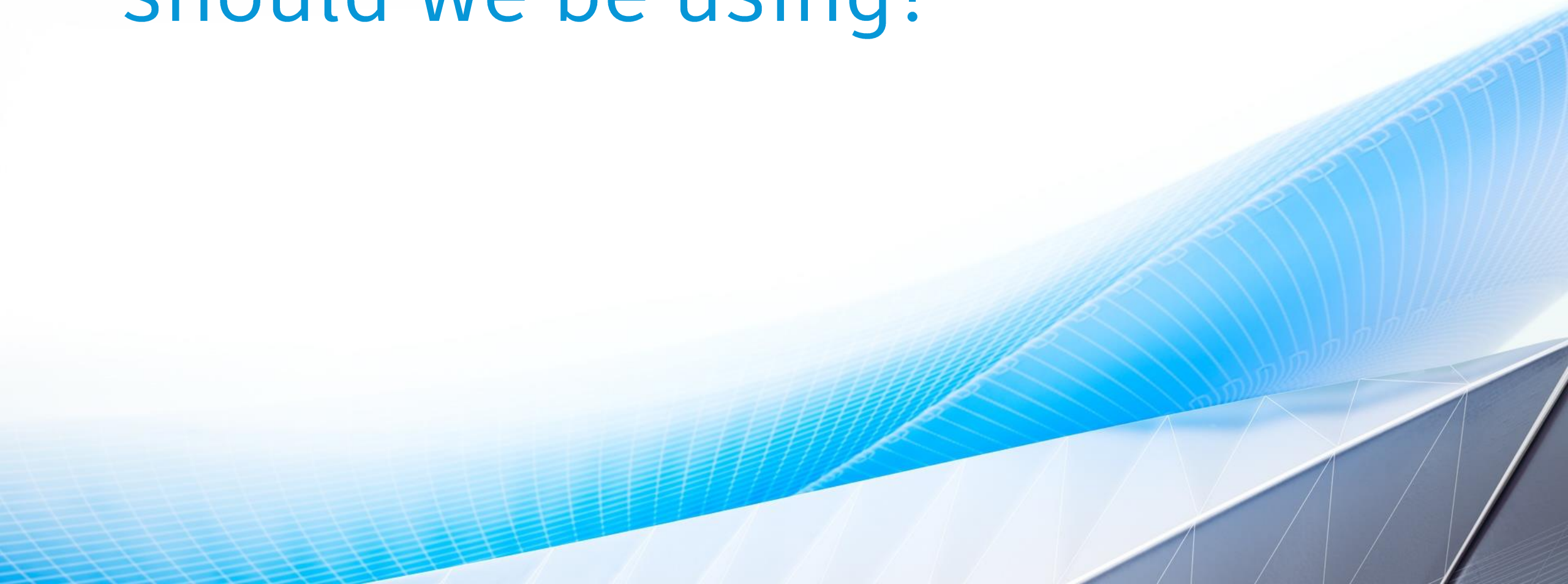
- Customers
- Account Management
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- Engineering Documents
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- Copy Design

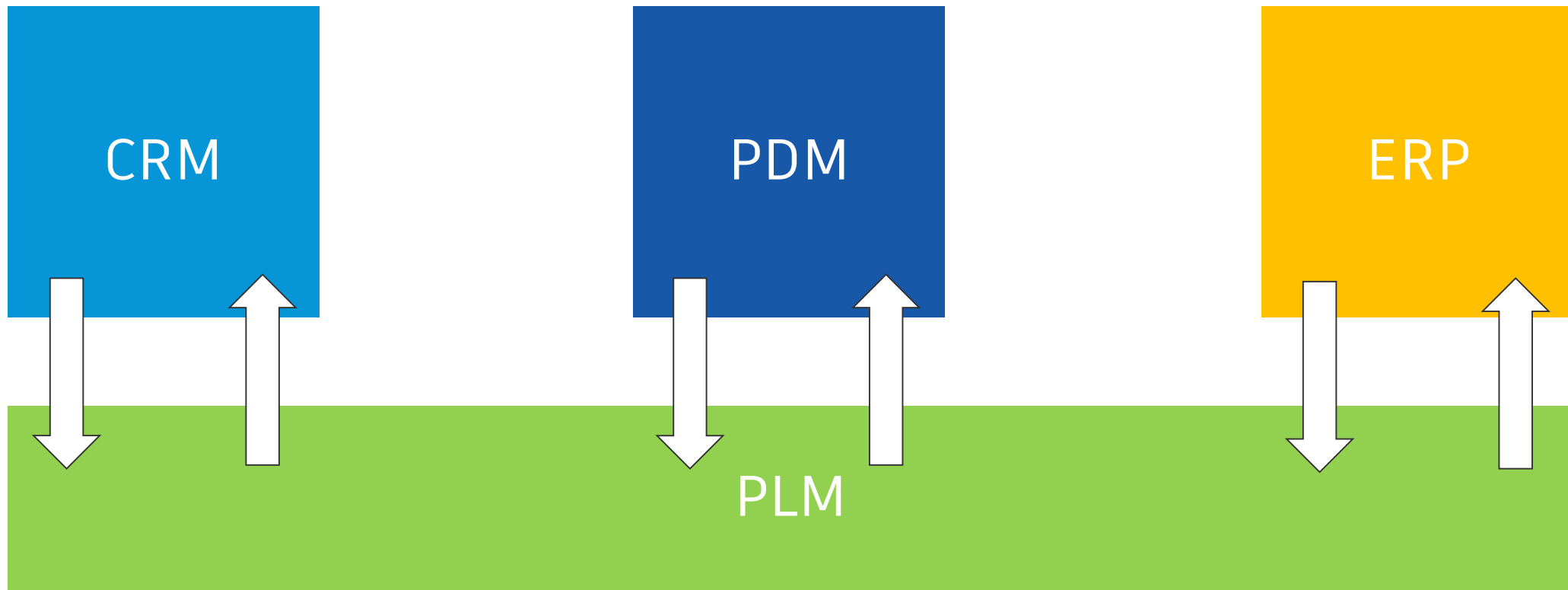
- Accounts & Finance
- Resource Management
- Production Planning
- Warehousing
- Stock & Inventory
- Procurement



So which one is it, which one
should we be using?







- Product Management
- NPI\NPD Projects
- Change Management
- Quality Management

- Bill of Materials Definition & Management
- Supplier Collaboration
- Sales to Engineering

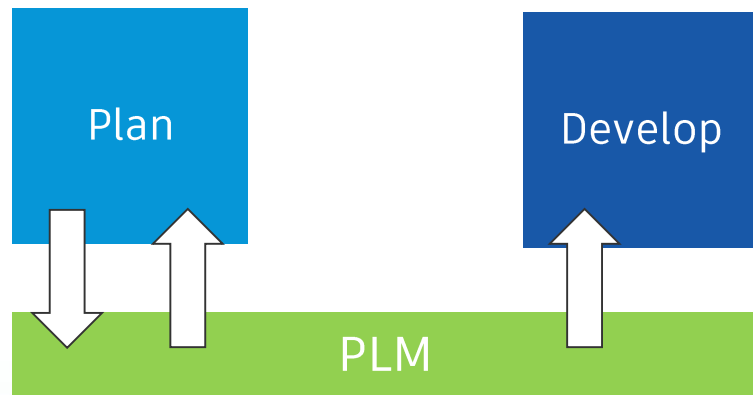
	PDM	PLM	ERP
Users	Design Engineering	Sales, Technical, Projects, Procurement, Design, Quality, Manufacturing etc	Production, Procurement, Logistics, Finance, Warranty etc
Focus	Product Geometry	Products, Projects & Change	Transaction
Data	Electronic Documents	Items & Process	Items & Status
Needs	Deep Technical Capability	Ease of Use & Flexibility	Structured
Assets	Intellectual	Intellectual	Physical

Process Driven Data with PLM

- Connected people and technology
- Ensure the right people or technology, get the right information at the right time
- Remove reliance on document silos
- Rules, validation and conditions within processes
- Continuous process improvement
- Easy to use
- Closed loop processes
- Visibility, traceability and auditability
- Role based access

Example One

Sales to Engineering





Opportunity
SLK 250 CDi Fuel Cell Pressure Test

+ Follow Edit Delete Clone

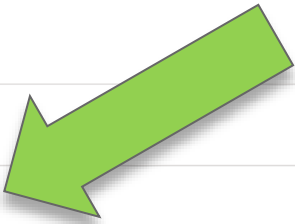
Account Name: BeB Engineering Ltd
Close Date: 22/11/2013
Amount: £12,350.00
Opportunity Owner: Steve Bedder



ACTIVITY CHATTER DETAILS

Opportunity Owner: Steve Bedder
Opportunity Name: SLK 250 CDi Fuel Cell Pressure Test
Account Name: BeB Engineering Ltd
Account Phone:
Type: Existing Customer - Replacement
Opportunity #: 88781636713
Parent Opportunity: none
Sync with Parent Opportunity: ☐
Credit Status: Good
Opportunity Socket Type:

Estimated Order Date:
Fiscal Order Quarter: 2015/Q3
Opportunity Step: 2. Discover Needs
Order at Risk:
Sales Forecast Category: Upside
Estimated Sales Date:
Fiscal Sales Quarter: 2015/Q3
Amount: £15,000.00
Amount - Equipment: £11,500.00
Amount - Service: £3,500.00



Products (0)



Notes & Attachments (0)

Upload Files

Or drop files



Contact Roles (0)



Stage History (1)

Stage: Value Proposition
Amount: £12,350.00
Expected Revenue: £6,175.00
Close Date: 22/11/2013



TR0073 - BeB Engineering Ltd - SLK 250 CDi Fuel Cell Pressure Test



📍 [03] Approved

Workflow Actions Available

Requirement Details

Requirements

Supporting Documents

Requirement Status

Bill of Materials

Edit

Opportunity Details (1 of 3)

Ref TR0073

Opportunity [SLK 250 CDi Fuel Cell Pressure Test](#)

Targeted Close Date 22/11/2013

Description Replacement pressure test jig for a new Mercedes diesel fuel cell

Category D

Opportunity Owner Steve Bedder

Company [BeB Engineering Ltd](#)

Contact Phil Hiles

Site Glossop

Technical Requirements (2 of 3)

Existing Item [BEB2034 - 22mm Thick Clamp Assembly \(4 port\) \[REV:A\]](#)

Part Number D-621-007

Purpose To provide internal pressure structure results based on over pressurisation of fuel tank whilst also under external load.

Usage 12 hour continuous testing of each fuel cell within internal test facility. Only to be used on fuel cell specified with maximum loading as detailed.

Load Max. Envelope 350 x 450

Plate Load 17500 (kg)

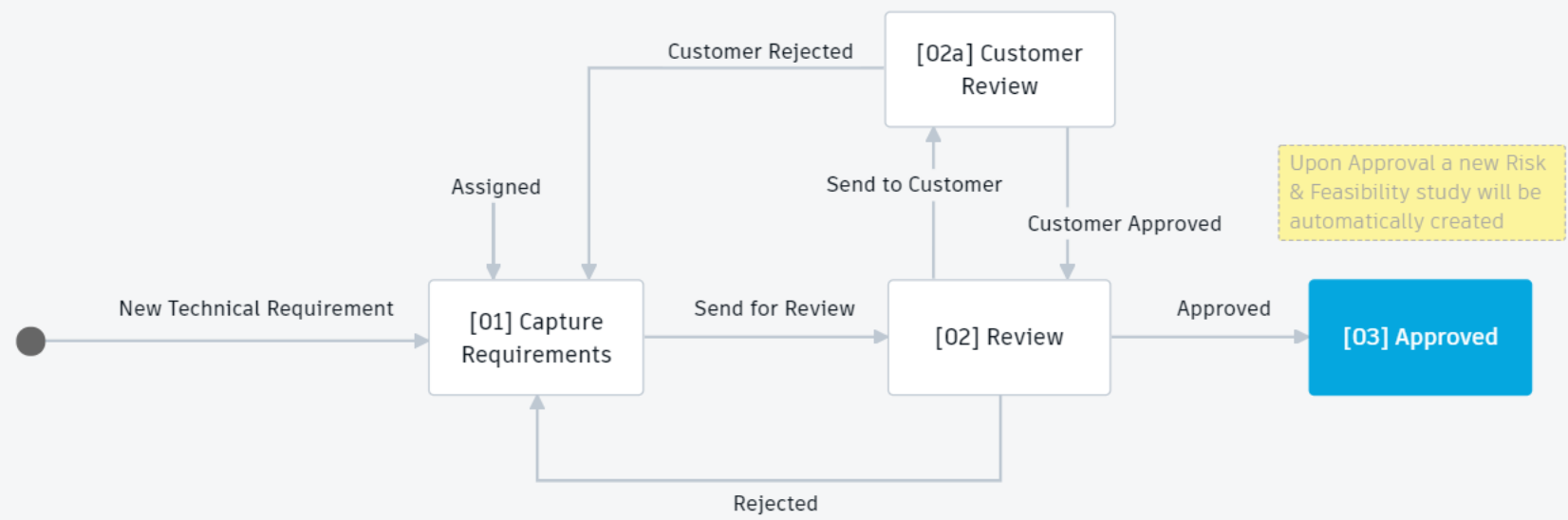
Plate Thickness 22mm

Load Sensors ☒

Operating Temperature 50 to 100

Colour Scheme Orange

Additional Notes





SLK 250 CDi Fuel Cell Pressure Test

+ Follow Edit Delete Clone

Sync with Parent Opportunity	Amount
☐	£15,000.00
Credit Status	Amount - Equipment
Good	£11,500.00
Opportunity Socket Type	Amount - Service
	£3,500.00

Additional Information

Description	Lead Source
Replacement pressure test jig for a new Mercedes diesel fuel cell	Phone Inquiry
Next Activity Date	Lead Source Detail
Next Step	Campaign ID
Secondary Owner	
Steve Mahoney	

NPD Project (Fusion)

Project #	Project Link
PR000014	Go to Design Center Project...
Project Status	
[02] Project Planning	
Project Manager	
Steve Bedder	

System Information



Stage History (1)

Stage:	Value Proposition
Amount:	£12,350.00
Expected Revenue:	£6,175.00
Close Date:	22/11/2013
Last Modified By:	Steve Bedder
Last Modified:	07/11/2013 16:45

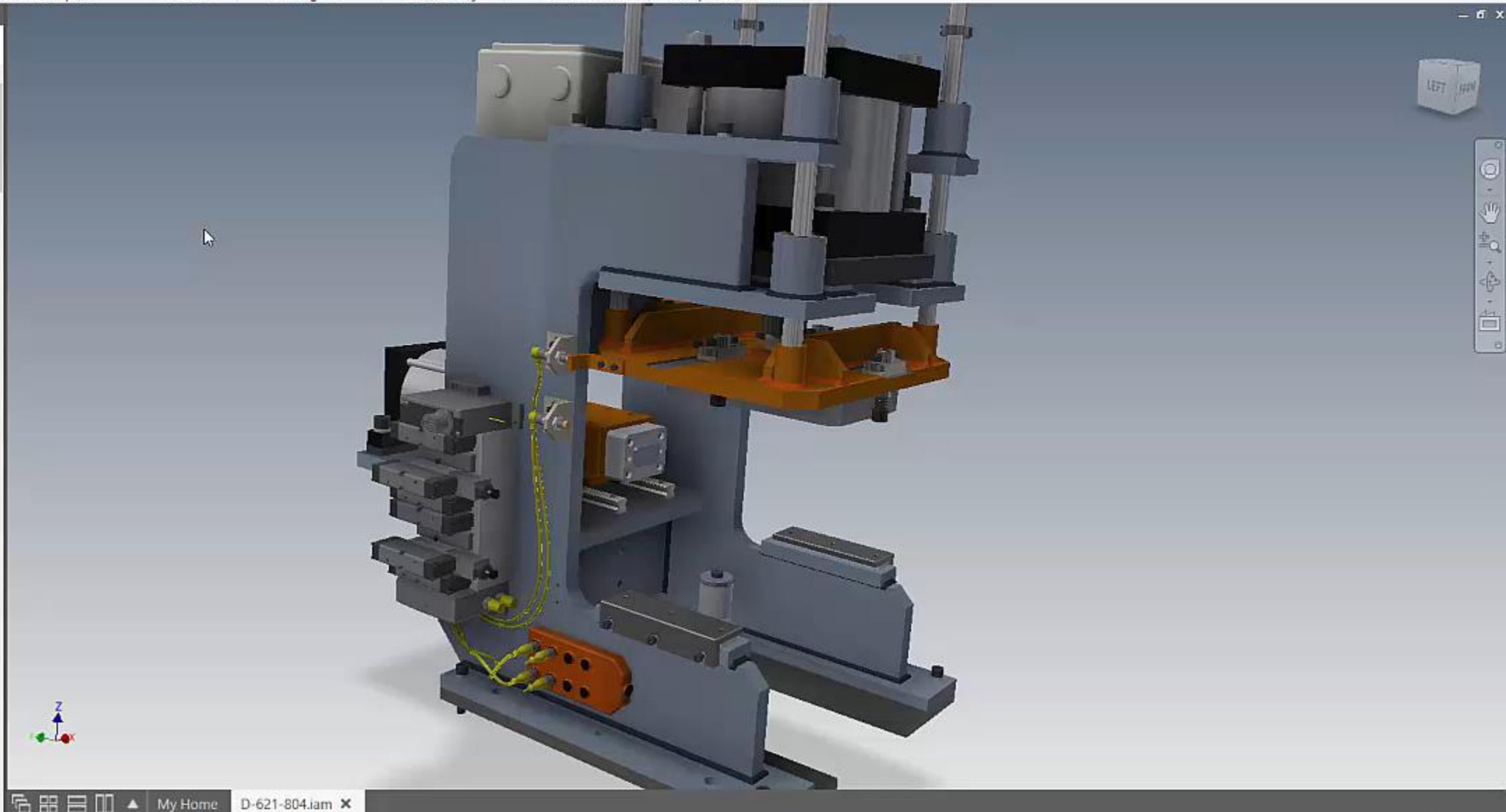
View All

Model x iLogic Vault +

Assembly | Modeling

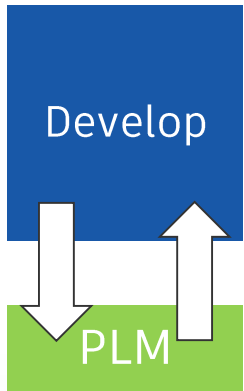
D-621-804.iam

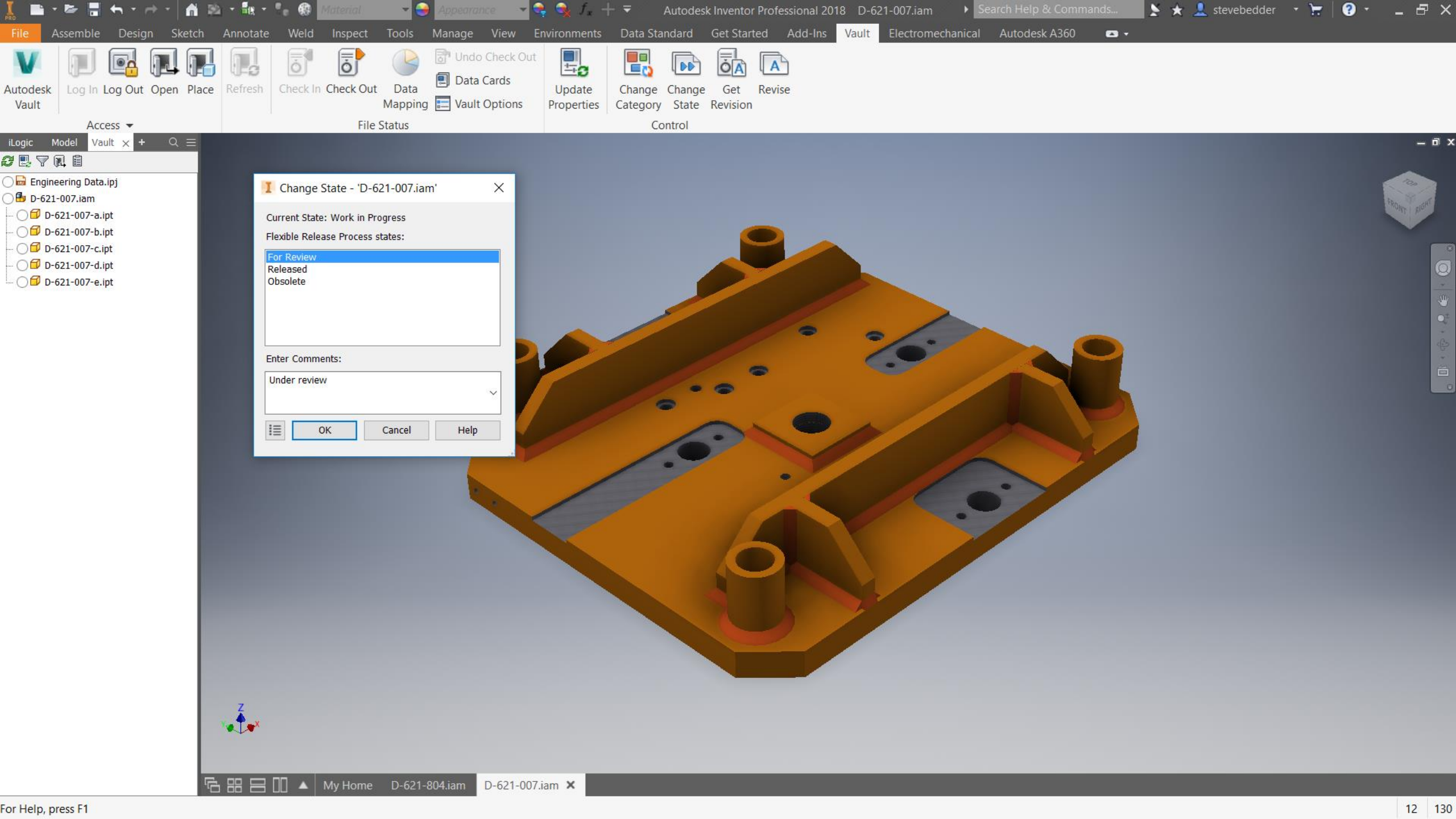
- > Relationships
- > Representations
- > Origin
- > Hi-Collar Helical Spring Lock Washer (Incl
- > Hexagon Socket Head Cap Screw - Inch 5
- > 4383:1
- > P-06-621-26:1
- > P-06-621-26:2
- > P-06-621-26:3
- > P-06-621-26:4
- > Work Plane1
- > Work Axis1
- > Work Point1
- > Work Plane2
- > D-621-046:1
- > EAC-1000-F:2
- > S2AU-03101E-E00000AA2:1
- > FRP-1:1
- > D-621-009:1
- > P-06-621-09:1
- > P-06-621-SUBASSY_DIESPRING:1
- > P-06-621-SUBASSY_DIESPRING:3
- > P-06-621-23:2
- > P-06-621-SUBASSY_CFRAME:1
- > P-06-621-07:1
- > D-621-807:1
- > Hexagon Socket Flat Countersunk Head C
- > Hexagon Socket Flat Countersunk Head C
- > Hexagon Socket Flat Countersunk Head C
- > P-06-621-23:3
- > P-06-621-23:4

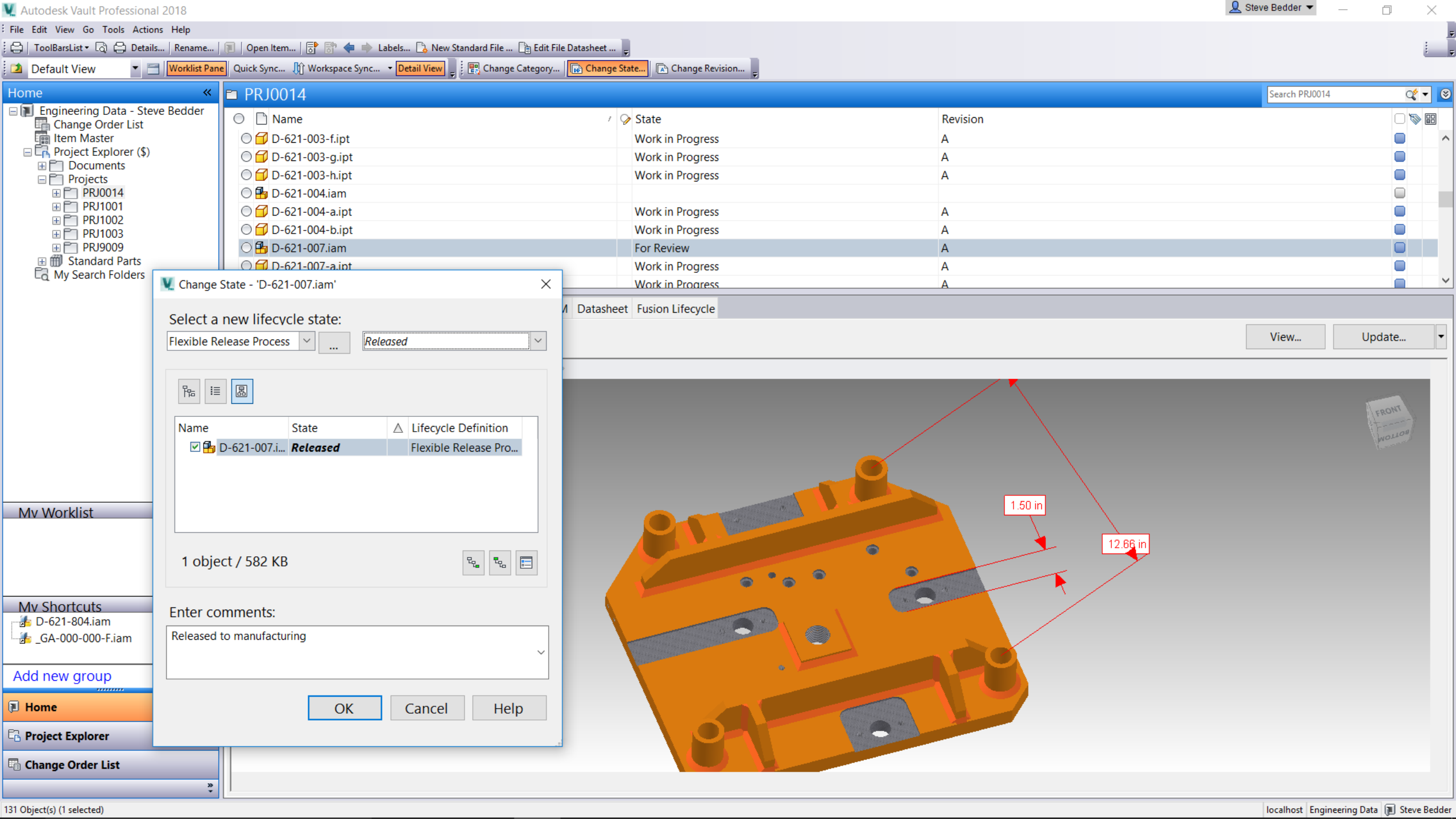


Example Two

Engineering Release







Name	State	Revision
D-621-003-f.ipt	Work in Progress	A
D-621-003-g.ipt	Work in Progress	A
D-621-003-h.ipt	Work in Progress	A
D-621-004.iam		
D-621-004-a.ipt	Work in Progress	A
D-621-004-b.ipt	Work in Progress	A
D-621-007.iam	For Review	A
D-621-007-a.ipt	Work in Progress	A
	Work in Progress	A

Select a new lifecycle state:

Flexible Release Process ... Released

Name	State	Lifecycle Definition
D-621-007.iam	Released	Flexible Release Pro...

1 object / 582 KB

Enter comments:

Released to manufacturing

OK

Cancel

Help

1.50 in

12.66 in



Home > CAD Items



My Default View (170) ▾



Preview



CAD File Name



Title



Lifecycle



Material



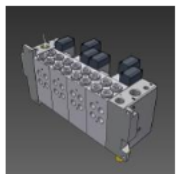
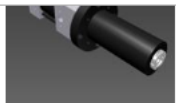
Category ▾



Release Letter



Part Number



Parker Valve Pack

Engineering Release

Assembly

A

Parker Isys Valve Pack
Station 04

D-621-802.Harness2.iam

Tier 1

Engineering Release

Assembly

A

100001



D-621-802.Harness1.iam

Tier 1

Engineering Release

Assembly

A

Hand Scanner Assembly-
C360.iam

Hand Scanner Assembly

Production

various

Assembly

A

ADSK-UL-1001



D-621-007.iam

DgPr Assembly Cell

Unreleased

Stainless Steel

Assembly

D-621-007b

Total number of records in this view: 170



Home > CAD Items

BEB2034 - 22mm Thick Clamp Plate Assembly (4 port) [REV:A] v



01/10/2012



Engineering Release

Item Details

Bill of Materials

Where Used

Attachments

Change Log

Edit

Details (1 of 5) ^

Item Number BEB2034

Preview

Vault Document Link [Click to go to Vault document....](#)

Part Number D-621-007

CAD File Name D-621-007.iam

Title DgPr Assembly Cell

Description 22mm Thick Clamp Plate Assembly (4 port)

Weight 32.00 (kilograms)

Category Assembly

Originator SteveB

Material Stainless Steel

Units Each

Last Updated By Steve Bedder

Modified On 24/09/2012

Project [PRO00014](#)QIP [QIP000001](#)



Home > CAD Items

BEB2034 - 22mm Thick Clamp Plate Assembly (4 port) [REV:A] v



01/10/2012 | Engineering Release

Item Details

Bill of Materials

Where Used

Attachments

Change Log

Edit

Add

Remove

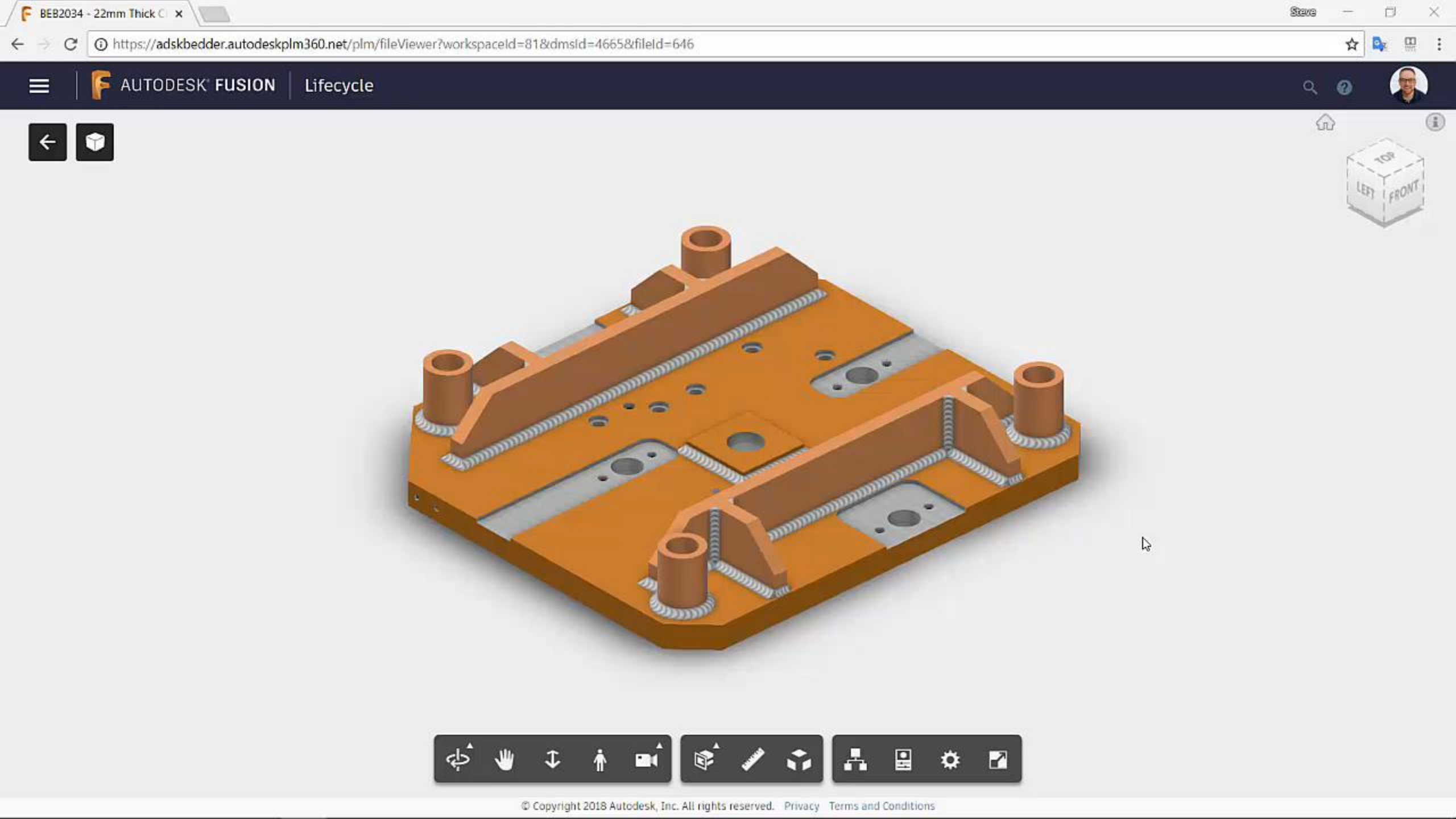


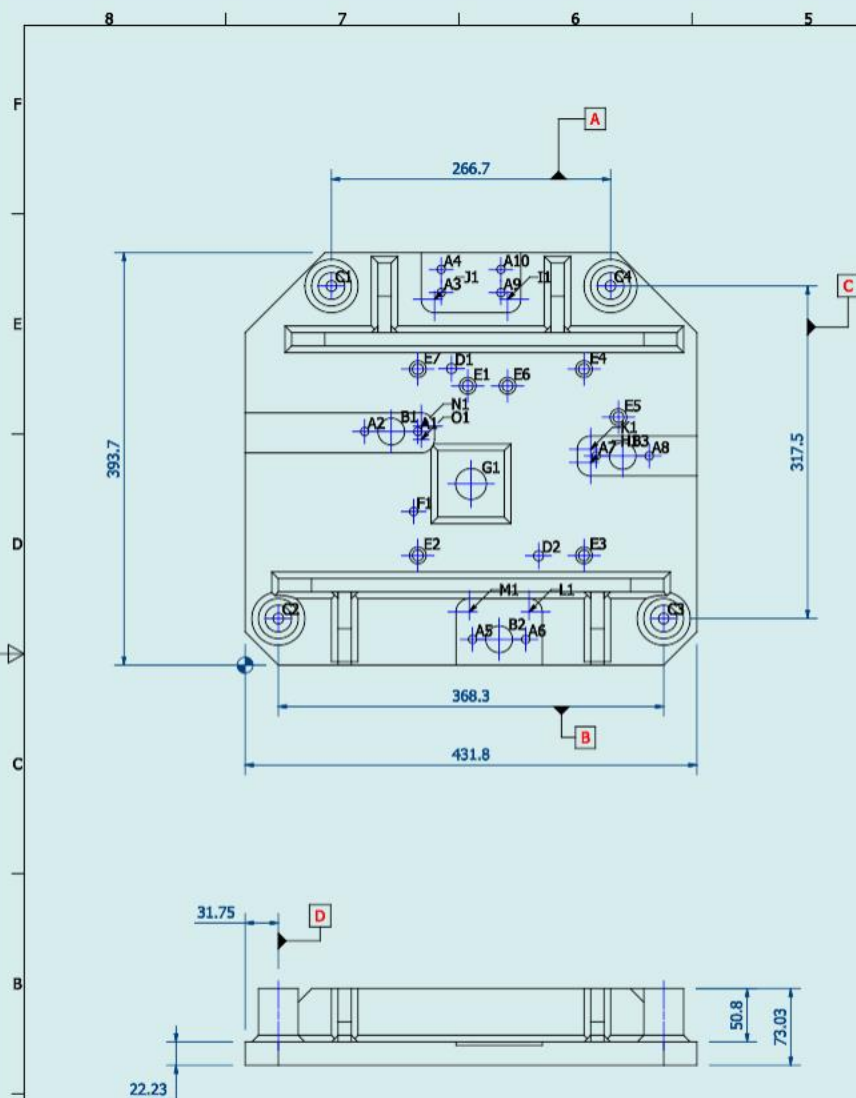
Views: Default View v



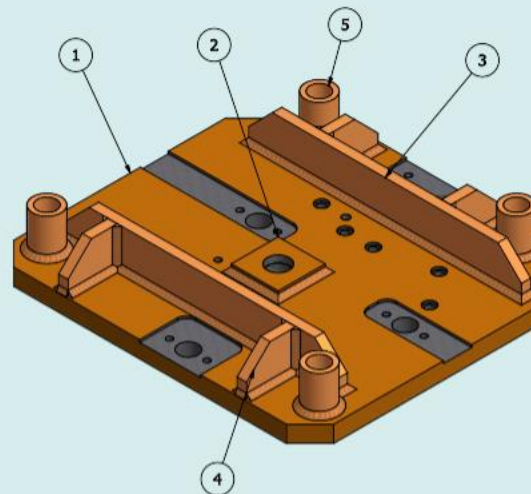
Default View as of Today using the Released Revisions configuration

#	Descriptor	Status	Part Number	Revision	Lifecycle	Quantity	Units	Supplier / Part Num...		Unit Cost	Total Cost
0.0	BEB2034 - 22mm Thick Clamp Plate Assembly (4 por...		D-621-007	A	Engineering Release	0.0			9	0	4.939999999999999
1.1	BEB2035 - 22mm base plate [REV:A]	Latest	D-621-007a	A	Engineering Release	1.0	EA		1	0	0
1.2	BEB2038 - 18mm steel flange side plate [REV:A]	Latest	D-621-007b	A	Engineering Release	2.0	EA		1	0	0
1.3	BEB2036 - Base Plate Vertical Support [REV:A]	Latest	D-621-007d	A	Engineering Release	4.0	EA		1	0	0
1.4	BEB2037 - Collar Pin [REV:A]	Latest	D-621-007c	A	Engineering Release	4.0	EA		1	0	0
1.5	BEB2039 - Support Plate [REV:A]	Latest	D-621-007e	A	Engineering Release	1.0	EA		1	0	0
1.6	20-000572-01 - L6920PCB Flashlight Board PCB [RE...	Latest		A	Production	1.0	EA	Flicktronix/L6920PCB		1.54	1.54
1.7	15-10000031 - Wall Bracket [REV:w]	Unreleased		Working	Working	4.0	EA	BB Electricals Ltd/5...		0.85	3.4
1.8	BEB2112 - 1-1/4-20 HEX JAM NUT [REV:A]	Latest		A	Engineering Release	4.0	EA		1	0	0
1.9	VMS11100 - [REV:w]	Unreleased	VM738281	Working	Working	6.0	EA			0	0
1.10	BEB2087 - SHOT PIN BLOCK [REV:A]	Latest	D-621-029	A	Engineering Release	2.0	EA		1	0	0
> 1.11	BEB2021 - WELKER - SHOT PIN [REV:A]	Latest	FRP-1	A	Engineering Release	4.0	EA		1	0	0





PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	MASS
1	1	D-621-007a	Steel	62.766 lbmass
2	1	D-621-007e	Steel	0.665 lbmass
3	2	D-621-007b	Steel	3.891 lbmass
4	4	D-621-007d	Steel	0.634 lbmass
5	4	D-621-007c	Steel	1.002 lbmass



HOLE TABLE			
HOLE	XDIM	YDIM	DESCRIPTION
A1	165,1	223	3/8-16 UNC - 1B
A2	114,3	223	3/8-16 UNC - 1B
A3	187,33	355,6	3/8-16 UNC - 1B
A4	187,33	377,83	3/8-16 UNC - 1B
A5	217,37	24,69	3/8-16 UNC - 1B
A6	268,17	24,69	3/8-16 UNC - 1B
A7	335,39	199,68	3/8-16 UNC - 1B
A8	386,19	199,68	3/8-16 UNC - 1B
A9	244,48	355,6	3/8-16 UNC - 1B
A10	244,48	377,83	3/8-16 UNC - 1B
B1	139,7	223	Ø1 THRU
B2	242,77	24,69	Ø1 THRU
B3	360,79	199,68	Ø1 THRU
C1	82,55	361,95	Ø0.4 THRU └─┐ Ø0.63 ± 0.38
C2	31,75	44,45	Ø0.4 THRU └─┐ Ø0.63 ± 0.38
C3	400,05	44,45	Ø0.4 THRU └─┐ Ø0.63 ± 0.38
C4	349,25	361,95	Ø0.4 THRU └─┐ Ø0.63 ± 0.38
D1	197,28	283,12	Ø0.38 THRU
D2	280,47	104,37	Ø0.38 THRU
E1	212,74	266,69	Ø0.41 THRU └─┐ Ø0.63 ± 0.13
E2	165,1	104,78	Ø0.41 THRU └─┐ Ø0.63 ± 0.13
E3	323,85	104,78	Ø0.41 THRU └─┐ Ø0.63 ± 0.13
E4	323,85	282,58	Ø0.41 THRU └─┐ Ø0.63 ± 0.13
E5	356,79	236,68	Ø0.41 THRU └─┐ Ø0.63 ± 0.13
E6	250,84	266,69	Ø0.41 THRU └─┐ Ø0.63 ± 0.13
E7	165,1	282,58	Ø0.41 THRU └─┐ Ø0.63 ± 0.13
F1	161,06	146,64	3/8-16 UNC - 2B
G1	215,9	173,02	1 1/4-12 UNF - 1B
H1	330,2	193,32	-
I1	250,83	349,25	-
J1	180,98	349,25	-
K1	330,2	206,02	-
L1	271,35	50,8	-
M1	214,2	50,8	-
N1	168,28	228,08	-
O1	168,28	215,38	-

Weight = 35Kg ± 0.2Kg



DESIGNED BY Steve Bedder	CHECKED BY	APPROVED BY	DATE 09/10/2012	
Press Jig Plate		General Detail		
D-621-007		ISSUE	SHEET	
			1 / 1	

Autodesk Vault Professional 2019

File Edit View Go Tools Actions Help

New Standard File ... Edit File Datasheet ... Report ... Plot ... Check In ... Find ... Configure Web View ... Share View Download from Cloud Drive Upload to Cloud Drive

Default View Layout Workspace Sync ... Change Category ... Change State ... Change Revision ...

Home

Engineering Data - Steve Bedder

- Change Order List
- Item Master
- Project Explorer (\$)
 - Designs
 - Documents
 - Projects
 - Balmoral
 - Deep Blue
 - PRJ0007
 - PRJ0014
 - PRJ1001
 - PRJ1002
 - PRJ1003
 - Part1
 - AIP
 - PRJ4567
 - PRJ9009
 - SBT4500
 - USM1001
 - Standard Parts
 - en-US
 - ISO 2491 - A
 - Templates
 - My Search Folders

PRJ0014

Search PRJ0014

Name	State	Revision
D-621-804.iam		
D-621-806.iam		
D-621-807.iam		
D-621-809.iam		
DET-XX-SEAL-J.ipt	Work in Progress	A
E3AX_3I01F_C0000CT02.iam		
E3AX_3I01F_C0000CT02_SUB.ipt	Work in Progress	A

History Uses Where Used Change Order Preview CAD BOM Datasheet Fusion Lifecycle

AUTODESK FUSION Lifecycle

Home > CAD Items

BEB2003 - Pressure Test Jig [REV:A]

01/10/2012 Engineering Release

Item Details Bill of Materials Where Used Attachments Change Log

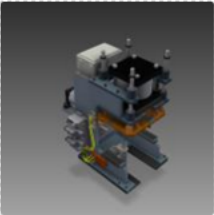
Edit

Details (1 of 5)

Item Number

BEB2003

Preview



Vault Document Link

Click to go to Vault document....

Part Number

D621804

CAD File Name

D-621-804.iam

Title

DgPr Assembly Cell

Description

Pressure Test Jig

Weight

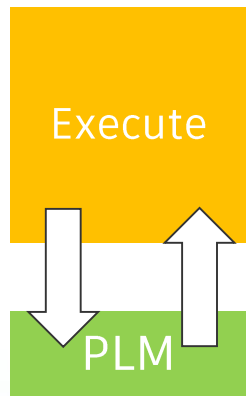
316.00 (kilograms)

131 Object(s) (1 selected)

localhost Engineering Data Steve Bedder

Example Three

Release to Production





Home > CAD Items

BEB2034 - 22mm Thick Clamp Plate Assembly (4 port) [REV:A] v



01/10/2012 | Engineering Release

Item Details

Bill of Materials

Where Used

Attachments

Change Log

Edit

Add

Remove



Views: Default View v



Default View as of Today using the Released Revisions configuration

#	Descriptor	Status	Part Number	Revision	Lifecycle	Quantity	Units	Supplier / Part Num...		Unit Cost	Total Cost
0.0	BEB2034 - 22mm Thick Clamp Plate Assembly (4 por...		D-621-007	A	Engineering Release	0.0			9	0	4.939999999999999
1.1	BEB2035 - 22mm base plate [REV:A]	Latest	D-621-007a	A	Engineering Release	1.0	EA		1	0	0
1.2	BEB2038 - 18mm steel flange side plate [REV:A]	Latest	D-621-007b	A	Engineering Release	2.0	EA		1	0	0
1.3	BEB2036 - Base Plate Vertical Support [REV:A]	Latest	D-621-007d	A	Engineering Release	4.0	EA		1	0	0
1.4	BEB2037 - Collar Pin [REV:A]	Latest	D-621-007c	A	Engineering Release	4.0	EA		1	0	0
1.5	BEB2039 - Support Plate [REV:A]	Latest	D-621-007e	A	Engineering Release	1.0	EA		1	0	0
1.6	20-000572-01 - L6920PCB Flashlight Board PCB [RE...	Latest		A	Production	1.0	EA	Flicktronix/L6920PCB		1.54	1.54
1.7	15-10000031 - Wall Bracket [REV:w]	Unreleased		Working	Working	4.0	EA	BB Electricals Ltd/5...		0.85	3.4
1.8	BEB2112 - 1-1/4-20 HEX JAM NUT [REV:A]	Latest		A	Engineering Release	4.0	EA		1	0	0
1.9	VMS11100 - [REV:w]	Unreleased	VM738281	Working	Working	6.0	EA			0	0
1.10	BEB2087 - SHOT PIN BLOCK [REV:A]	Latest	D-621-029	A	Engineering Release	2.0	EA		1	0	0
> 1.11	BEB2021 - WELKER - SHOT PIN [REV:A]	Latest	FRP-1	A	Engineering Release	4.0	EA		1	0	0



Home > Change Orders

C0000081 - Base plate strengthening - 2 - Medium



Locked



📍 [02] Under Review by CCB

No Workflow Actions Available

Change Details

Affected Items

Action Plan

Attachments

Workflow Actions

Change Log

Edit

Change Header (1 of 4)



Number C0000081

Title Base plate strengthening

Type 1 - Engineering

Department Hardware

Urgency 2 - Medium

Change Request [CR000012 - Automatically created from NC000070](#)

CR Requester Steve Bedder

Change Details (2 of 4)



Change Coordinator Candy, Charlie

Description of Change Re-design of the base plate to remove weight and improve weld strength

Reason for Change Cracks in the weld and base plate mean that the test jig has to be taken out of service until it is repaired, this slows the test & validation activity down and delays customer delivery.

Engineering Change Ref ECO-000002

ECO Link [Click here to go to Engineering Change Order...](#)

Approvals (3 of 4)



Approval Lists

Approvals Required Bedder, Steve
Candy, Charlie

List Of Approvers (4 of 4)





Home > Change Orders

C0000081 - Base plate strengthening - 2 - Medium

Locked

[02] Under Review by CCB

No Workflow Actions Available

Change Details

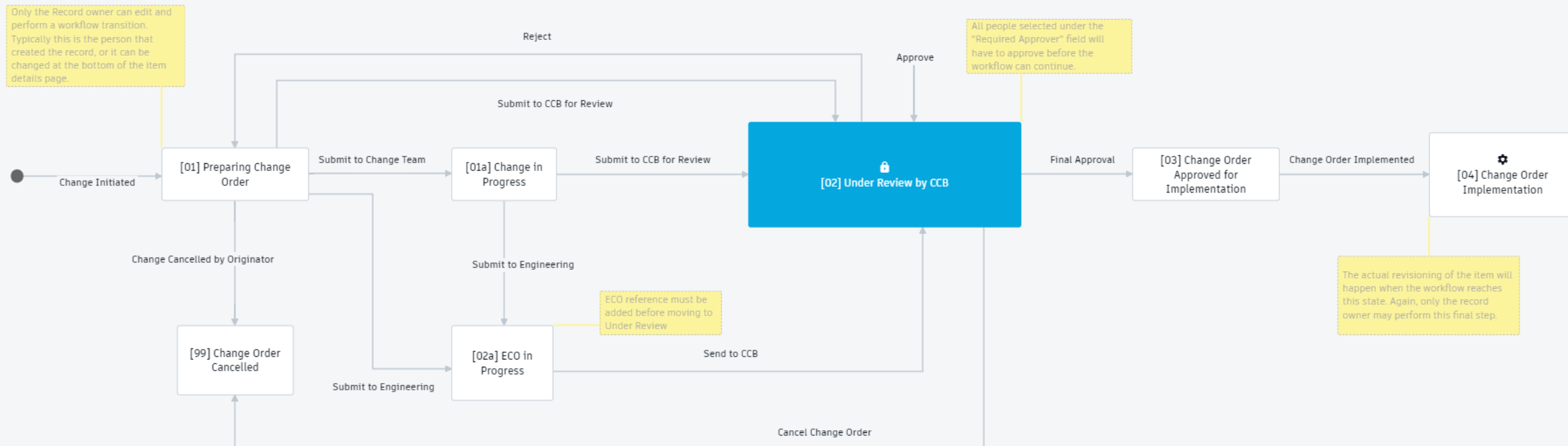
Affected Items

Action Plan

Attachments

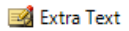
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Change Log

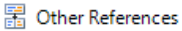




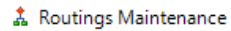
Save



Extra Text



Other References



Routings Maintenance

Product
Offers

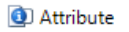
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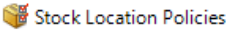
Search



Documents



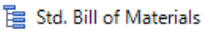
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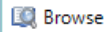
Stock Location Policies



More



Std. Bill of Materials



Browse

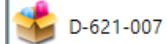
Window

Record

View

Stock - Item Maintenance - D-621-007

Template - Standard Template



D-621-007

Page 1 Page 2 Page 3 Page 4

CHANGE

Part

D-621-007



Part revision

A

BEB2034 - 22mm Thick Clamp Plate Assembly (4 port) [REV:A]

Outstanding ECOs exist?



Extra text exists?



Non-stock item ?

Use batch life cycle tracking ☐

Part class (also controls traceability)



Procurement code

M

Analysis

Unit of measure (UoM)

EA



0. Product Type

ASSEMBLY



1. Sub Analysis

STAINLESS STEEL



2. Project Code

PR000014



3. QIP

QIP000001



4. Analysis 4



5. Analysis 5

AUTODESK DEMO



6. Analysis 6



7. Sales Nominal



8. Cost of Sales Nominal



9. Stock Nominal



Commodity code

Product attribute group



Lot attribute group



CHANGE

File Home Debtors Creditors Financials Sales Purchasing Costing Stock Lot Control Works MRP Time Assets Multi Level Explosion System

Save Route By-Products Costed Bill Print Print Folders

Window Record Report & Analyse View

Multi Level Explosion

D-621-007 A BEB2034 - 22mm Thick Clamp Plate Assembly (4 port) based on : 1.000000EA

- 5325255 A 15-10000031 - Wall Bracket [REV:w] Qty : 4.000000EA
- BEB2112 A BEB2112 - 1-1/4-20 HEX JAM NUT [REV:A] Qty : 4.000000EA
- D-621-007a A BEB2035 - 22mm base plate [REV:A] Qty : 1.000000EA
- D-621-007b A BEB2038 - 18mm steel flange side plate [REV:A] Qty : 2.000000EA
- D-621-007c A BEB2037 - Collar Pin [REV:A] Qty : 4.000000EA
- D-621-007d A BEB2036 - Base Plate Vertical Support [REV:A] Qty : 4.000000EA
- D-621-007e A BEB2039 - Support Plate [REV:A] Qty : 1.000000EA
- D-621-029 A BEB2087 - SHOT PIN BLOCK [REV:A] Qty : 2.000000EA
- FRP-1 A BEB2021 - WELKER - SHOT PIN [REV:A] Qty : 4.000000EA
 - FRP010S011 A BEB2023 - [REV:A] Qty : 4.000000EA
 - FRP01S012 A BEB2022 - [REV:A] Qty : 4.000000EA
- L6920PCB A 20-000572-01 - L6920PCB Flashlight Board PCB [REV: Qty : 1.000000EA
- VM738281 A VMS11100 - [REV:w] Qty : 6.000000EA

File	Home	Debtors	Creditors	Financials	Sales	Purchasing	Costing	Stock	Lot Control	Works	MRP	Time	Assets	Stock - Item Maintenance - D-621-007	System
Save	Extra Text	Other References	Routings Maintenance	Product Offers	Folders	Search	Documents								
	Attribute	Stock Location Policies													
	More	Std. Bill of Materials													
Window		Record					View								

Stock - Item Maintenance - D-621-007

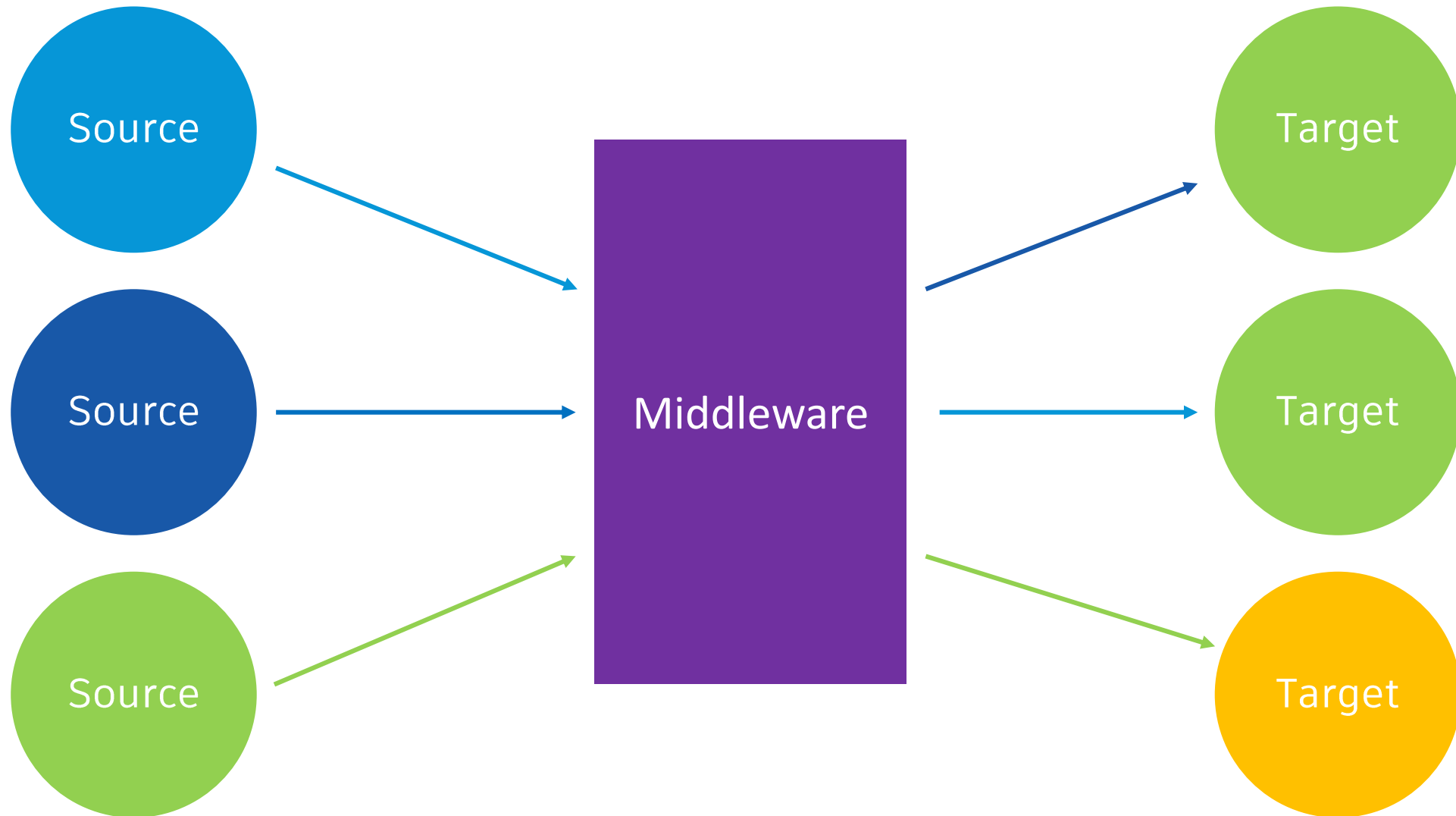
Template - Standard Template

D-621-007

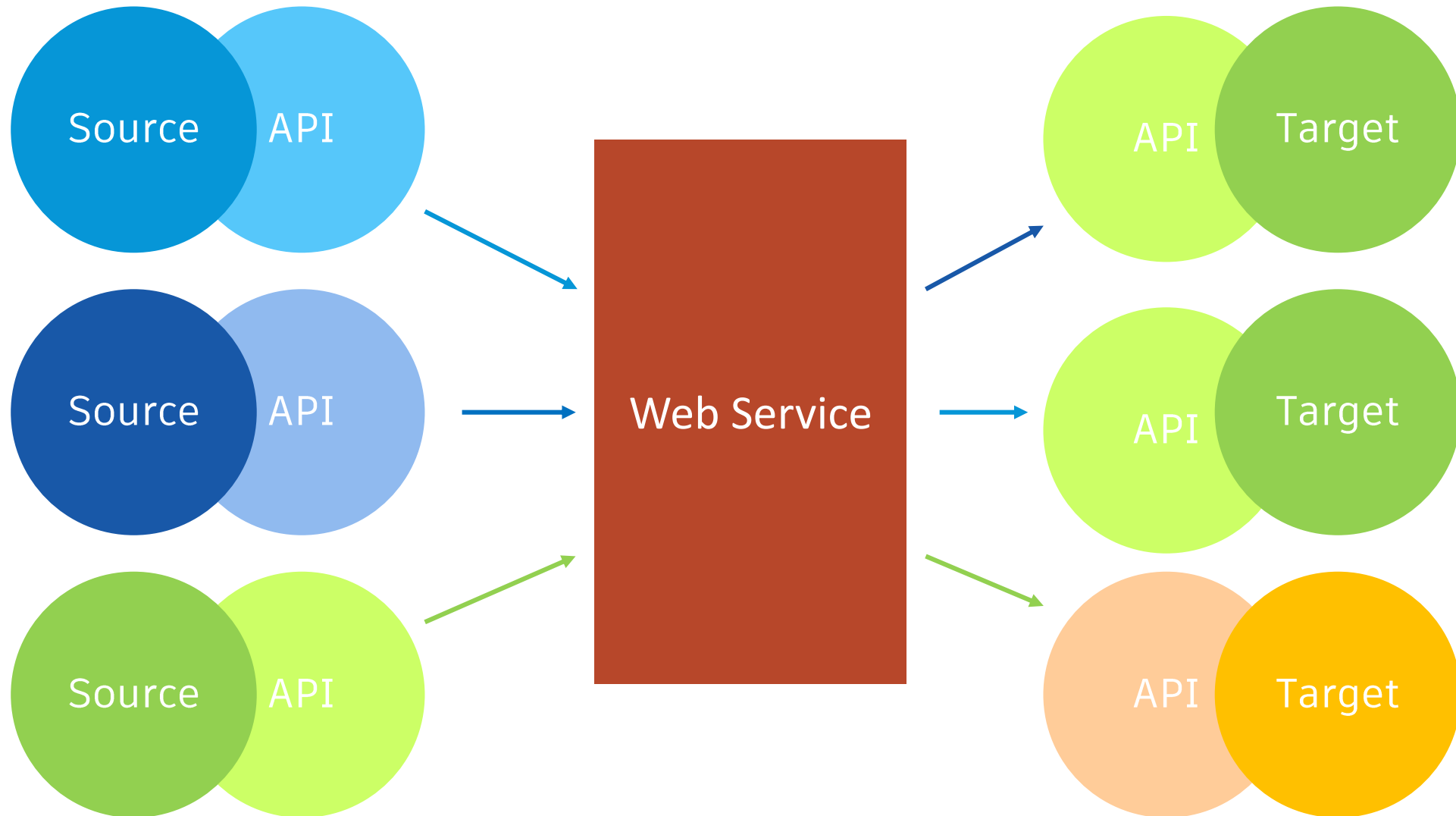
Page 1	Page 2	Page 3	Page 4
Part D-621-007			
BEB2034 - 22mm Thick Clamp Plate Assembly (4 port) [REV:A]			
Outstanding ECOs exist? ☐ Extra text exists? ☐ Non-stock ☐			
Part class (also controls traceability) A Procurement c			
Analysis Unit of measur			
0. Product Type ASSEMBLY			
1. Sub Analysis STAINLESS STEEL			
2. Project Code PR000014			
3. QIP QIP000001			
4. Analysis 4			
5. Analysis 5 AUTODESK DEM			
6. Analysis 6			
7. Sales Nominal			
8. Cost of Sales Nominal			
9. Stock Nominal			
Commodity code			
Product attribute group Lot a			

Document Management									
Full Screen Refresh Preferences									
Document Type: Stock Record (2) Page 1 / 1									
	Document Title	Latest Version	Added By	Date Added	File Ext.	Database Name	Stock Record Primary	Stock	
	BEB2034 - 22mm Thick Clamp Plate Assembly...	1.0	MSTR	31/05/2018 11:37	.xlsx	DemoDB		D-621	
	Assembly Image	1.0	MSTR	31/05/2018 11:37	.JPG	DemoDB		D-621	
Preview Attach Document									
Full Screen Email Delete Check Out Check In Undo Checkout Version History Notes									
Print Autosize Zoom In Zoom Out Rotate									
Page 1									
									

Integration Methods



Integration Methods





Lightweight

OR



Endurance

OR



Aero





Lightweight

AND

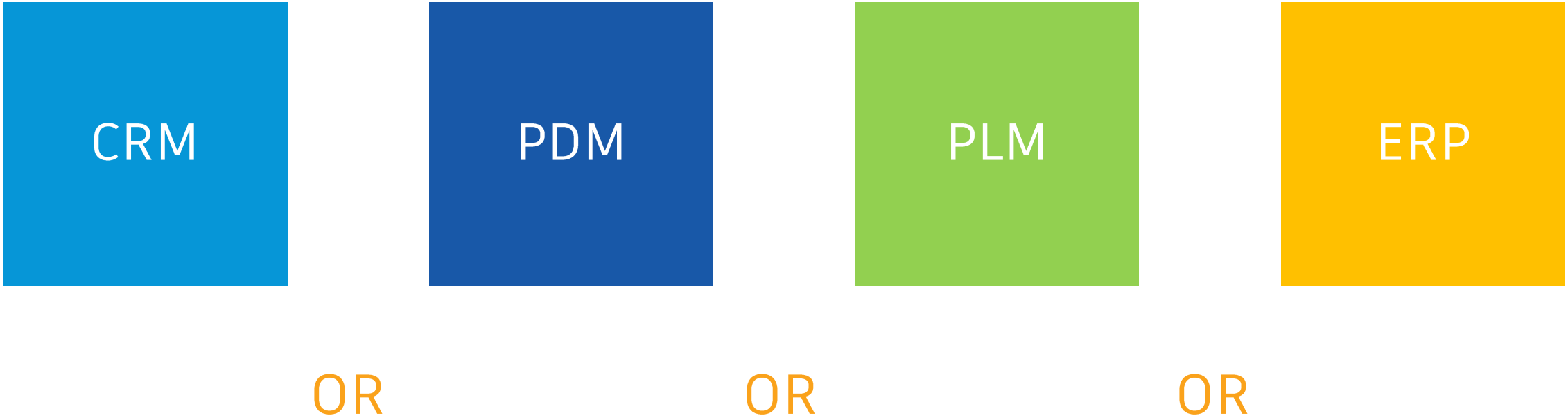


Endurance

AND



Aero



CRM

OR

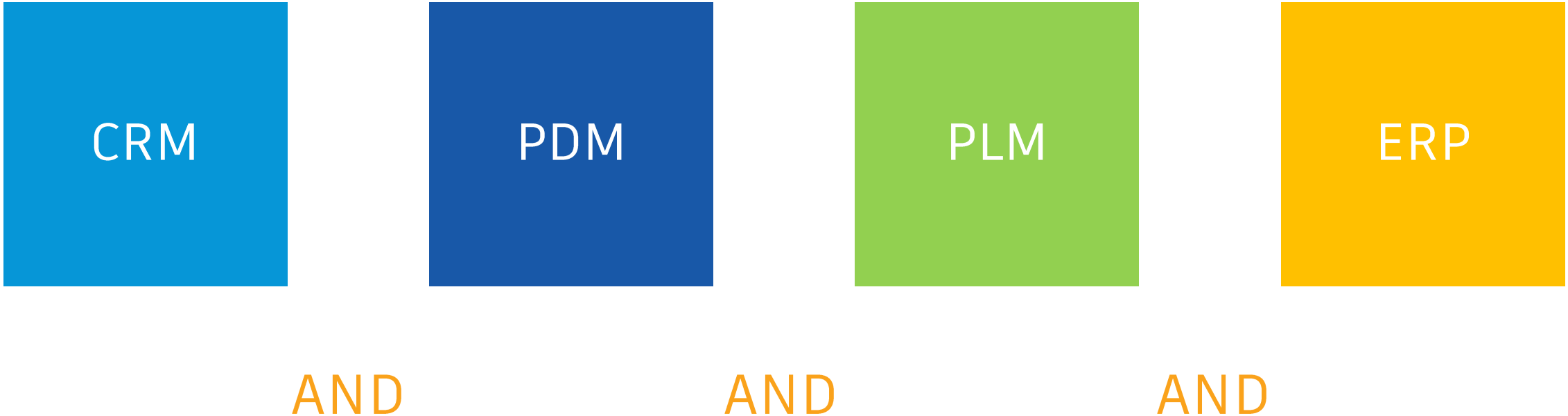
PDM

OR

PLM

OR

ERP



CRM

PDM

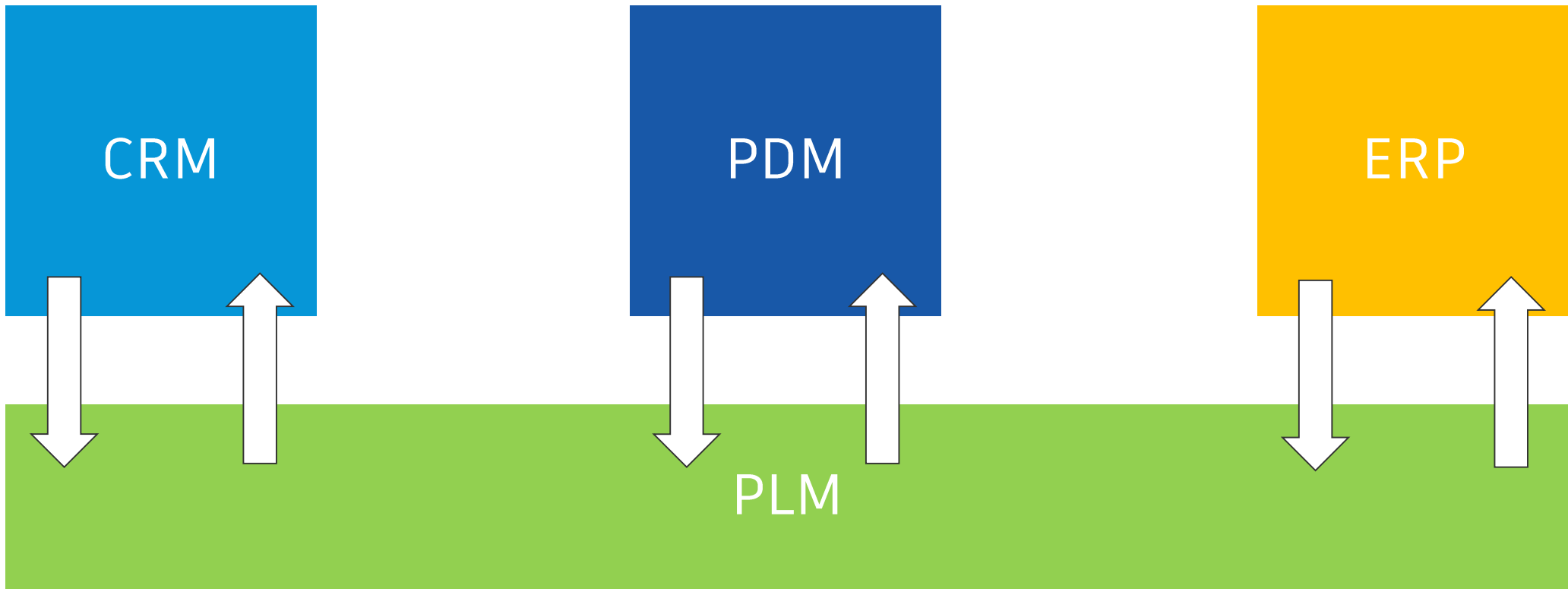
PLM

ERP

AND

AND

AND



Connected People
Connected Processes
Connected Data
Connected Technology



Questions





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