



3DEXPERIENCE – inžinerinių duomenų saugojimas ir valdymas debesijoje

3DEXPERIENCE®

UAB "IN RE"



3DDrive vs 3DSpace





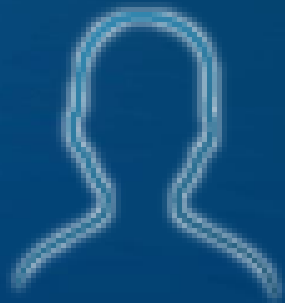
3DDrive



3DSwymer



3DSpace



Collaborative Industry
Innvator



Dalijimasis failais

- Patogi prieigos prie modelių kontrolė

Pranešimai el. paštu

- Automatinis nuorodų į modelių kūrimas ir išsiuntimas el. paštu

Peržiūra interneto naršyklėje

- Modelių peržiūra interneto naršyklėje nediegiant jokių programų

Matmenų dėjimas

- Modelių matavimas peržiūros ar komentarų kūrimo metu

Pastabų kūrimas

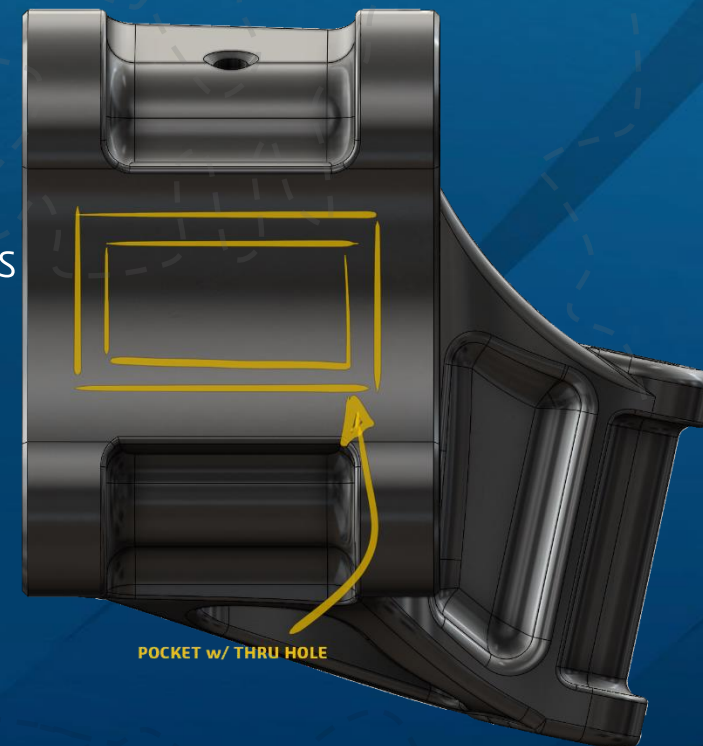
- Idėjų kūrimas tiesiai ant modelio

Komentarai

- Paprastas bendradarbiavimas su kolegomis, partneriais ir teikėjais

Integracija į *Task Pane*

- Atsiliepimų peržiūra tiesiai iš SOLIDWORKS darbo aplinkos



POCKET W/ THRU HOLE

Revizijų valdymas

- Automatinis revizijų saugojimas modelių saugojimo metu

Revizijų lentelės

- Automatiškai užpildomos revizijų lentelės

Projektavimo etapų valdymas

- Projektavimo etapų valdymas nekeičiant failų pavadinimų ir neperkėlinėjant failų į skirtingus katalogus

Saugi prieiga prie duomenų

- 3DEXPERIENCE platforma – pagrindinė projektavimo duomenų saugykla

Greita duomenų paieška

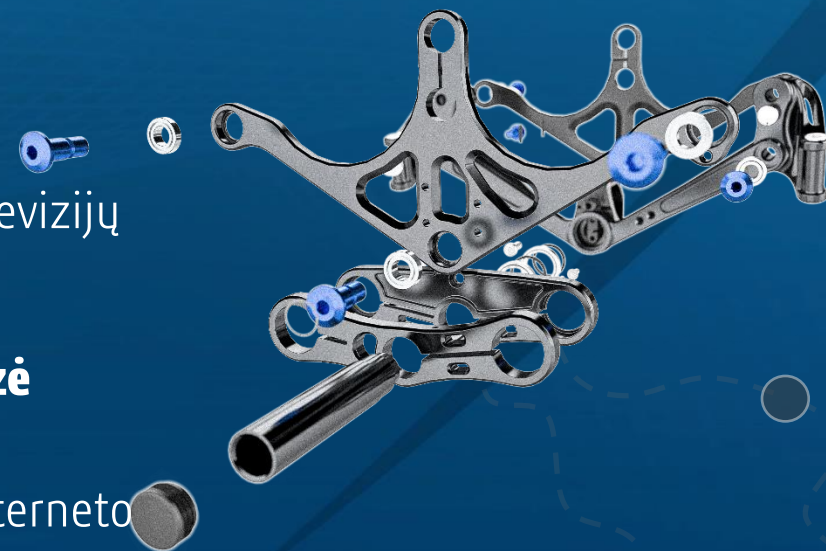
- Greita detalių paieška ir naujų modelių kūrimas

Revizijų palyginimas

- Skirtumų tarp modelio revizijų radimas

Projektų struktūros analizė

- Modelių, jų struktūros ir informacijos peržiūra interneto naršyklėje



Projektų filtravimas

- Patogus projekto struktūros filtravimas

Procesų valdymas

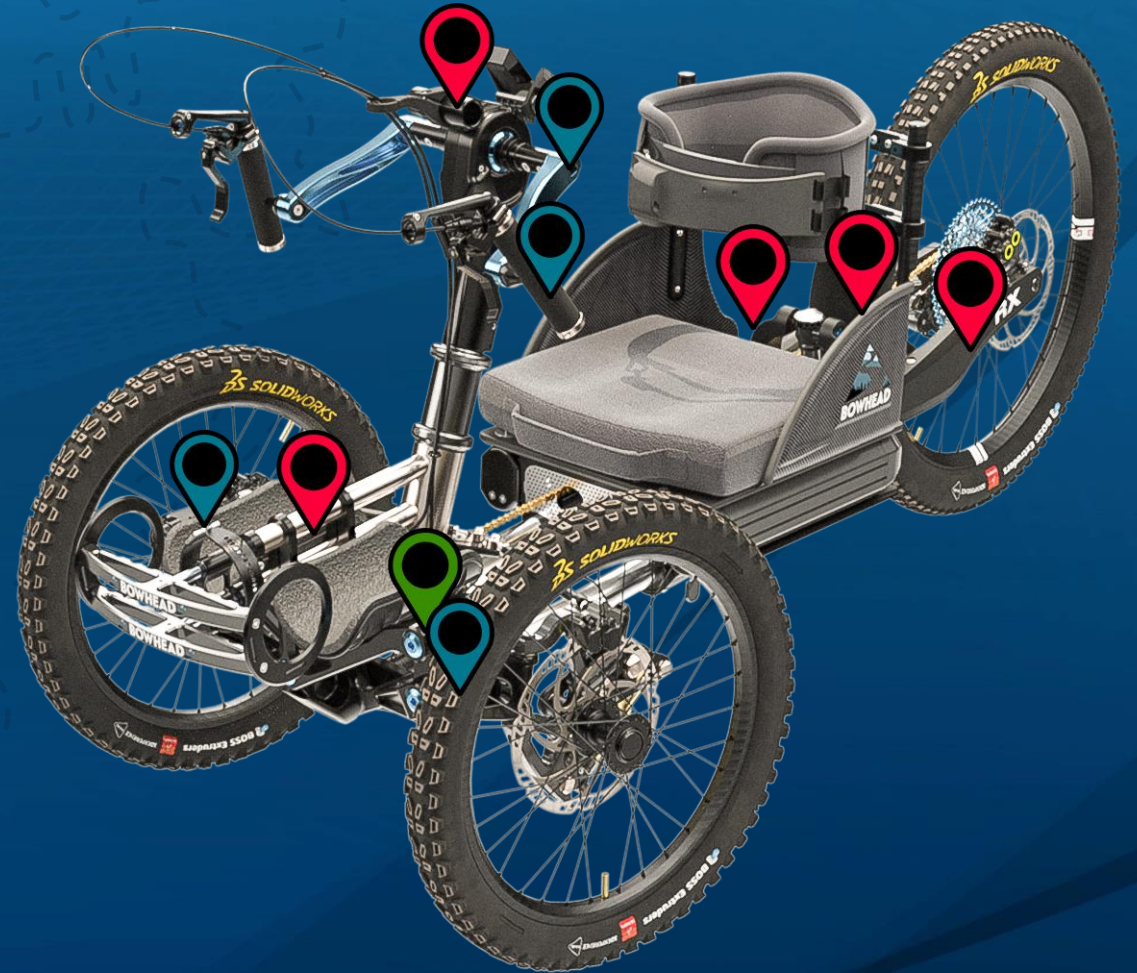
- Inžinerinių procesų struktūros kūrimas

Projektavimo problemų valdymas

- Projektavimo problemų vizualus atvaizdavimas ant modelio
- Greitas pristatymų kūrimas naudojant pristatymų šablonus

Ataskaitų eksportavimas

- Greitas pristatymų kūrimas naudojant pristatymų šablonus



Prieigos prie dokumentų kontrolė

- Saugykla (*Collaborative Space*)
- Darbuotojo rolė
- Dokumento būseną



Collaborative Space tipai

Private



Turinys nėra matomas naudotojams, prisijungusiems prie kitų saugyklų

Protected

Matomas tik turinys esantis *Released* arba *Obsolete* būsenoje, prisijungusiems prie šios ar kitos saugyklos. *Private*, *In Work* ir *Frozen* būsenų turinys yra nematomas

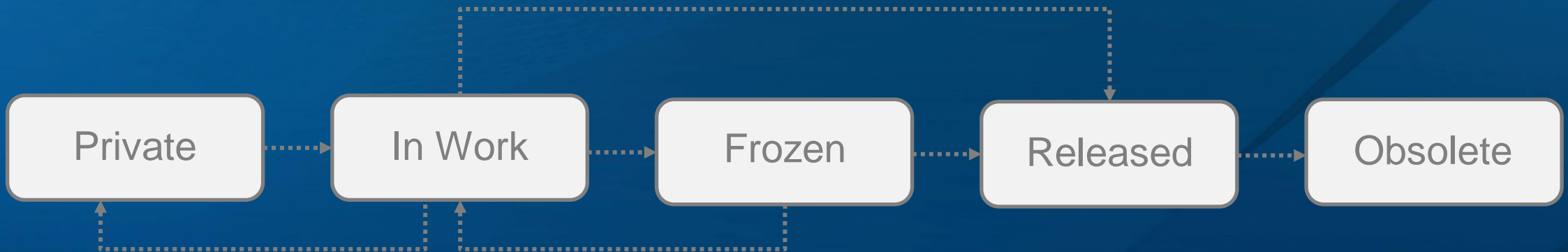
Public



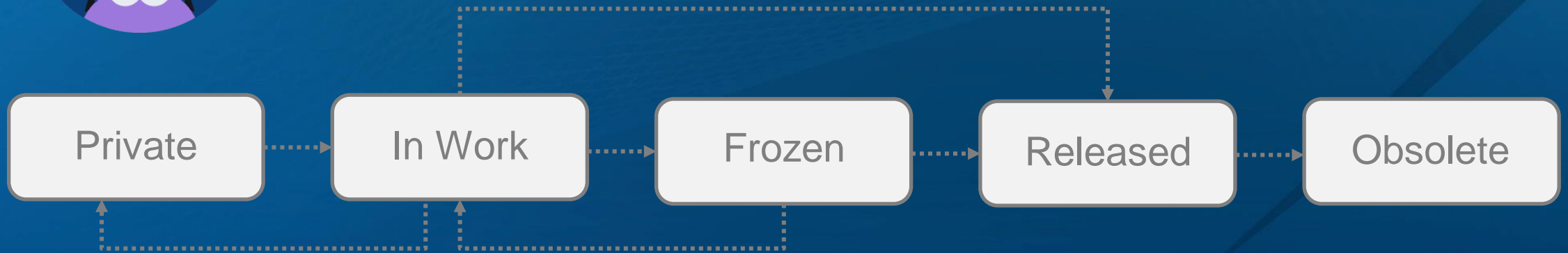
Turinys yra matomas visiems platformos naudotojams, nepriklausomai nuo turinio būsenos

Dokumentų judėjimo srautas

- Visi *Collaborative Space* išsaugoti SOLIDWORKS failai patenka į dokumentų judėjimo srautą sudarytą iš 5 būsenų



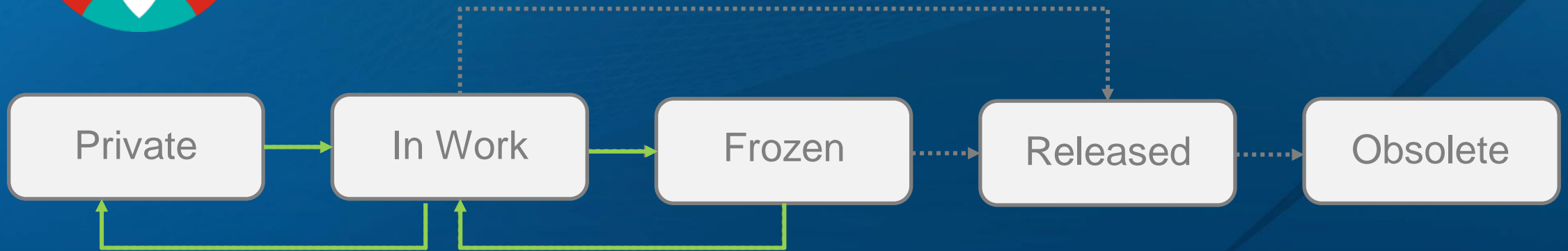
Collaborative Space rolės



Contributor:

- Gali peržiūrėti turinį bet kurioje saugykloje, kurioje naudotojas turi prieigą.
- Gali atverti SOLIDWORKS detales, surinkimus ir brėžinius tik peržiūrai.
- Negali keisti turinio būsenos.
- Negali įkelti dokumentų.

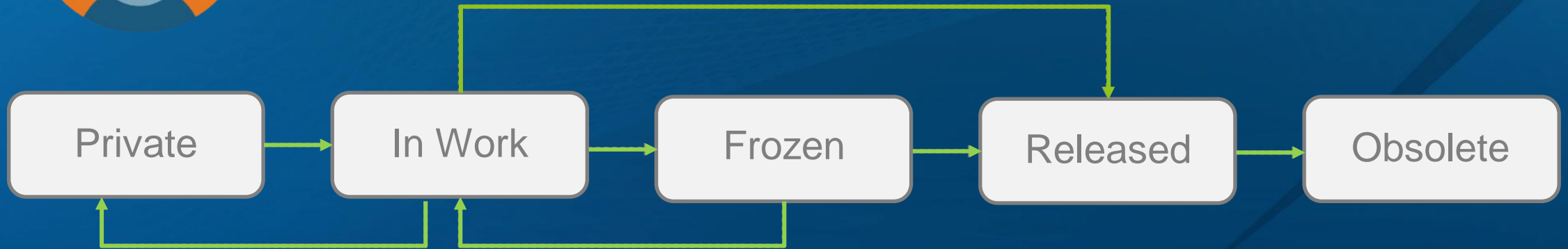
Collaborative Space rolēs



Author:

- Gali dirbti su turiniu kurio savininkas yra *Private*, *In Work* ir *Frozen* būsenose.
- Negali perkelti turinio į *Released* ir *Obsolete* būsenas.

Collaborative Space rolēs

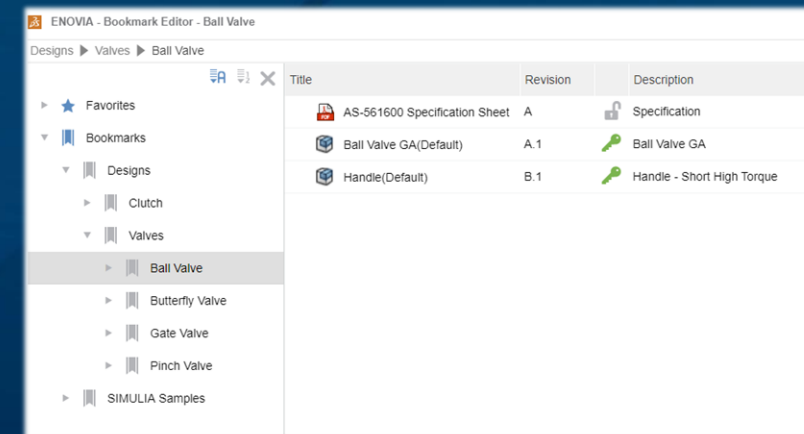
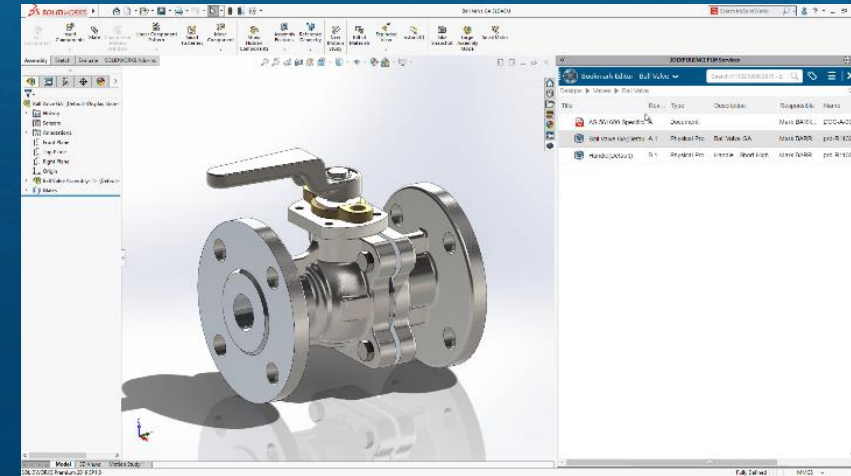


Leader:

Gali perkelti turinį į *Frozen*, *Released* bei *Obsolete* būsenas

Bookmarks

- Greitas turinio valdymas naudojant *Bookmarks Editor*
- Privačios ir bendros duomenų struktūros
- SOLIDWORKS failų valdymas
- Greitas dokumentų įkėlimas iš Windows Explorer darbo aplinkos



	Title	Revision	Description
▶ ★ Favorites			
▼ Bookmarks			
▶ Designs			
▶ Clutch			
▶ Valves			
▶ Ball Valve			
▶ Butterfly Valve			
▶ Gate Valve			
▶ Pinch Valve			
▶ SIMULIA Samples			
	AS-561600 Specification Sheet	A	Specification
	Ball Valve GA(Default)	A.1	Ball Valve GA
	Handle(Default)	B.1	Handle - Short High Torque

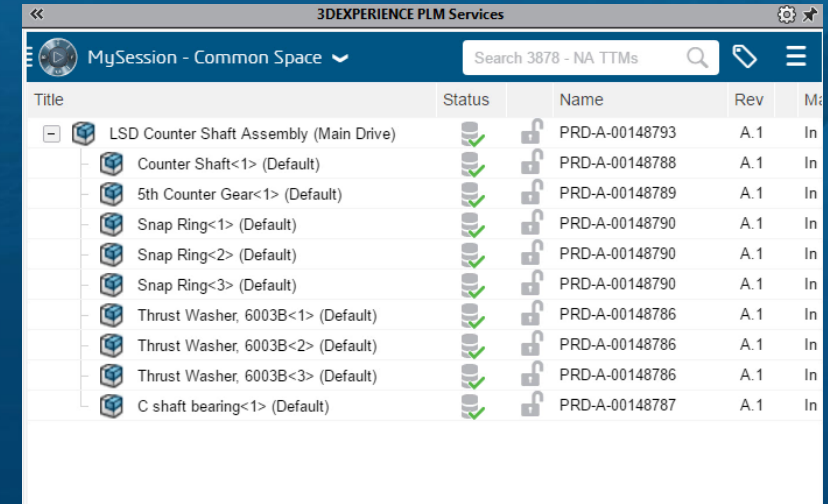
Pagrindiniai platformos administravimo įrankiai

- *Collaborative Spaces Configuration Center*
 - CAD modelių savybių valdymas
 - Failų vardinimo taisyklės
 - Detalių numeravimas
 - Dokumentų judėjimo srautas

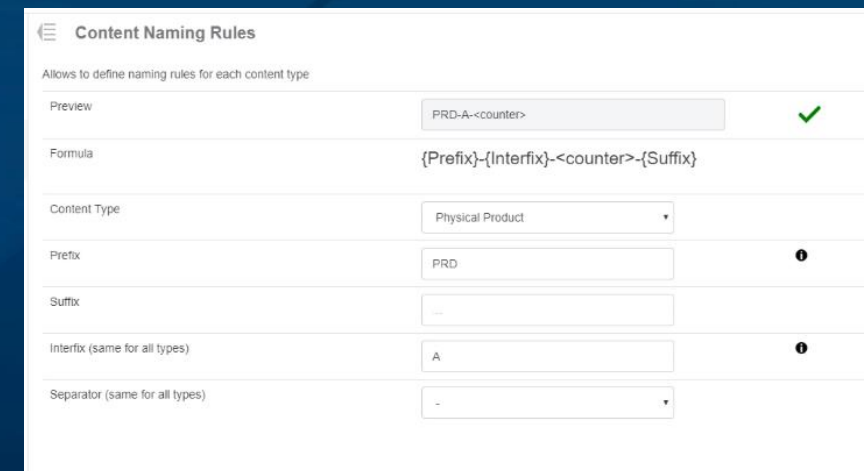


Detalių vardinimas ir numeravimas

- Vardinimas rankiniu būdu
- Automatinis detalių vardinimas
- *Enterprise Item Number* skaičiuoklės naudojimas



Title	Status	Name	Rev	M
LSD Counter Shaft Assembly (Main Drive)	✓	PRD-A-00148793	A.1	In
Counter Shaft<1> (Default)	✓	PRD-A-00148788	A.1	In
5th Counter Gear<1> (Default)	✓	PRD-A-00148789	A.1	In
Snap Ring<1> (Default)	✓	PRD-A-00148790	A.1	In
Snap Ring<2> (Default)	✓	PRD-A-00148790	A.1	In
Snap Ring<3> (Default)	✓	PRD-A-00148790	A.1	In
Thrust Washer, 6003B<1> (Default)	✓	PRD-A-00148786	A.1	In
Thrust Washer, 6003B<2> (Default)	✓	PRD-A-00148786	A.1	In
Thrust Washer, 6003B<3> (Default)	✓	PRD-A-00148786	A.1	In
C shaft bearing<1> (Default)	✓	PRD-A-00148787	A.1	In



Content Naming Rules

Allows to define naming rules for each content type

Preview: PRD-A-<counter> ✓

Formula: {Prefix}-{Interfix}<counter>-{Suffix}

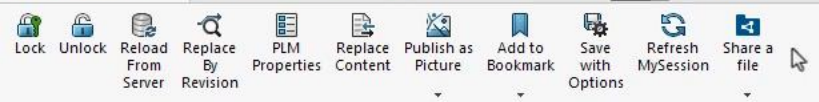
Content Type: Physical Product

Prefix: PRD

Suffix: -

Interfix (same for all types): A

Separator (same for all types): -



Features Sketch Evaluate Lifecycle and Collaboration



- 60214002-R (60214002) <Display Sta ^
- History
- Sensors
- Annotations
- Solid Bodies(1)
- Equations
- 6061-T6 (SS)
- Front
- Top
- Right
- Origin
- MateReferences
- Boss-Extrude1
- Plane5
- Revolve1
- Axis2
- Plane6
- Loft1
- Axis3
- Plane9
- Cut-Extrude18
- Plane7
- Cut-Extrude19
- Ø12.0 (12.5) Diameter Hole1
- Ø1.0mm Dowel Hole1
- Cut-Extrude21
- Cut-Extrude26
- Plane8
- Plane10
- Cut-Extrude27
- Cut-Extrude24
- pin
- Axis1
- Cut-Extrude14
- Cut-Extrude15
- Threads
- Fillets and chamfers
- Design Change

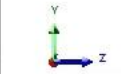


Share View



3DEXPERIENCE®

- 60214002-R (60214002) <Display Str...
- History
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- 6061-T6 (SS)
- Front
- Top
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- Plane7
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- Plane10
- Cut-Extrude27
- Cut-Extrude24
- pin
- Axis1
- Cut-Extrude14
- Cut-Extrude15
- Threads
- Fillets and chamfers
- Design Change



Design Change

3DDrive Search

60214002-R.3dxml

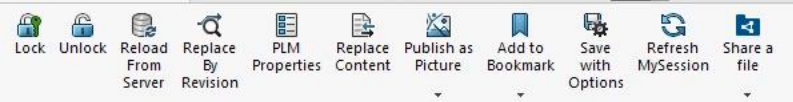
74.2mm

Pocket w/ thru hole

View Tools

Editing Part Custom

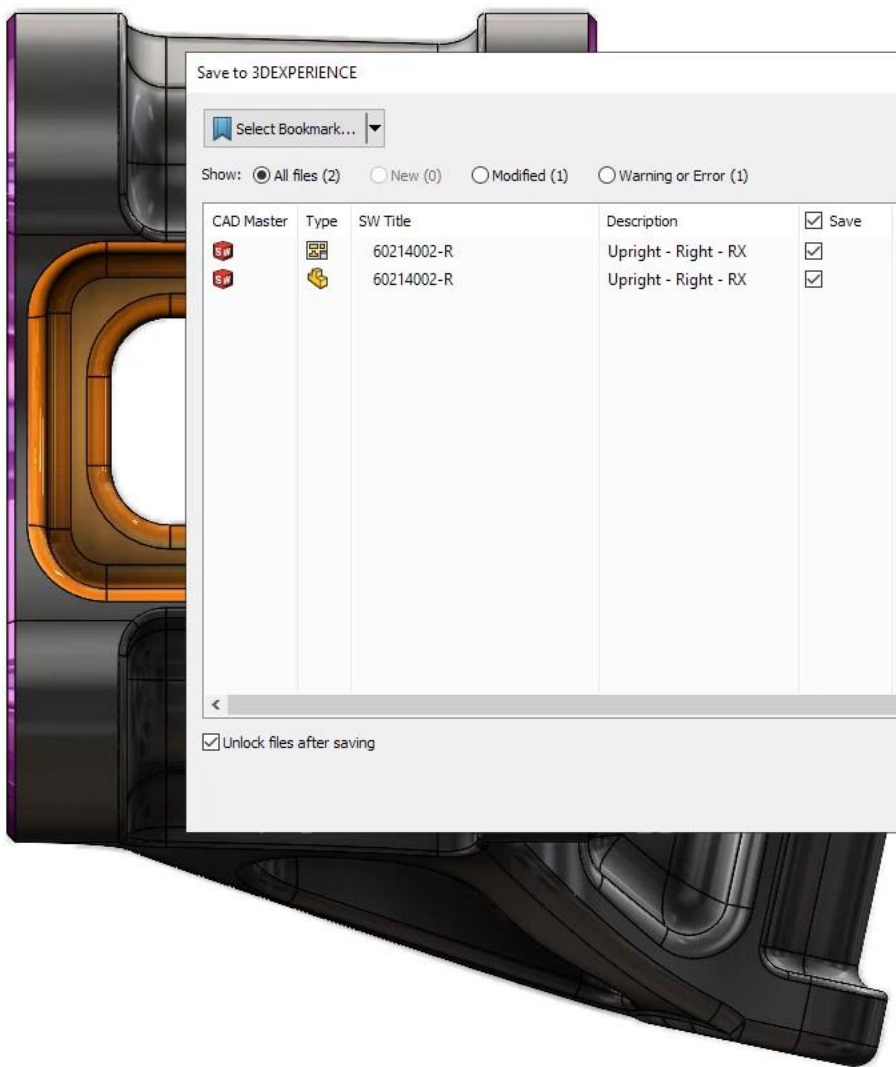
A 3D perspective view of the same mechanical part as in the left panel, but with several annotations. A blue dimension line at the top indicates a width of 74.2mm. A yellow rectangular box highlights a specific feature on the side of the part. A yellow arrow points to this feature with the text "Pocket w/ thru hole". The interface includes a search bar, a file name, and various navigation and editing tools.



Features Sketch Evaluate Lifecycle and Collaboration



- 60214002-R (60214002) <Display Sta
- History
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- Plane7
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- Ø1.0mm Dowel Hole1
- Cut-Extrude21
- Cut-Extrude26
- Plane8
- Plane10
- Cut-Extrude27
- Cut-Extrude24
- pin
- Axis1
- Cut-Extrude14
- Cut-Extrude15
- Threads
- Fillets and chamfers
- Design Change



Save to 3DEXPERIENCE

Select Bookmark...

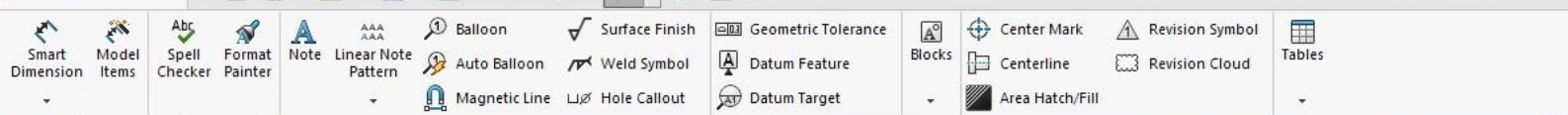
Show: All files (2) New (0) Modified (1) Warning or Error (1) View: Flat Nested

CAD Master	Type	SW Title	Description	<input checked="" type="checkbox"/> Save	Bookmark	Revision	<input checked="" type="checkbox"/> New Revision	Revision Comment	Mat
		60214002-R	Upright - Right - RX	<input checked="" type="checkbox"/>		A.1	<input checked="" type="checkbox"/>	Added Pocket	In V
		60214002-R	Upright - Right - RX	<input checked="" type="checkbox"/>		A.1	<input checked="" type="checkbox"/>	Added Pocket	In V

Unlock files after saving

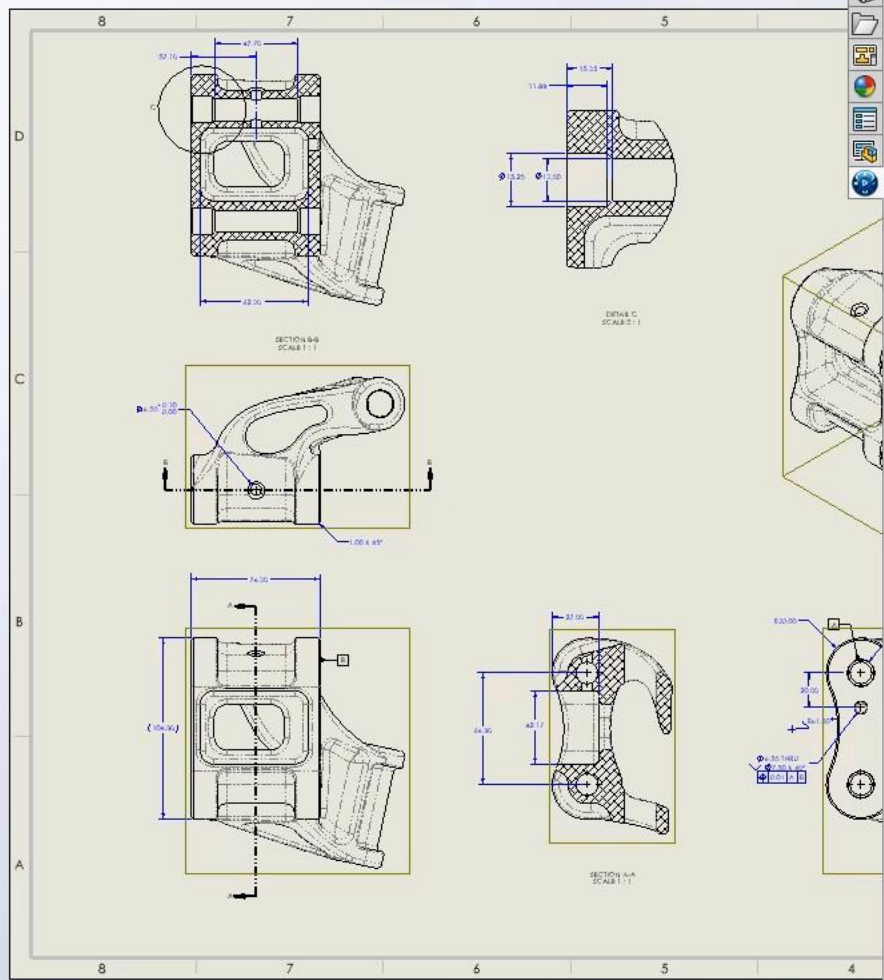
Save Cancel Help

Design Change



Drawing Annotation Sketch Evaluate Lifecycle and Collaboration

- 60214002-R
- Annotations
- Sheet1
 - Sheet Format1
 - Drawing View5
 - Drawing View6
 - Drawing View7
 - Drawing View8
 - Section View A-A
 - Section View B-B
 - Detail View C (2:1)
 - Drawing View15
 - Revision Table1

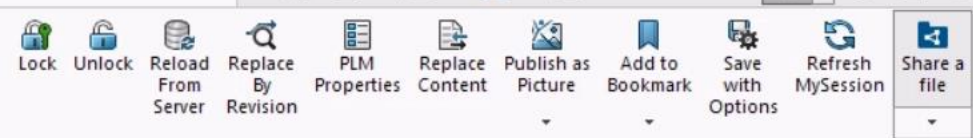


3DEXPERIENCE

ENOVIA MySession - Bowhead RX

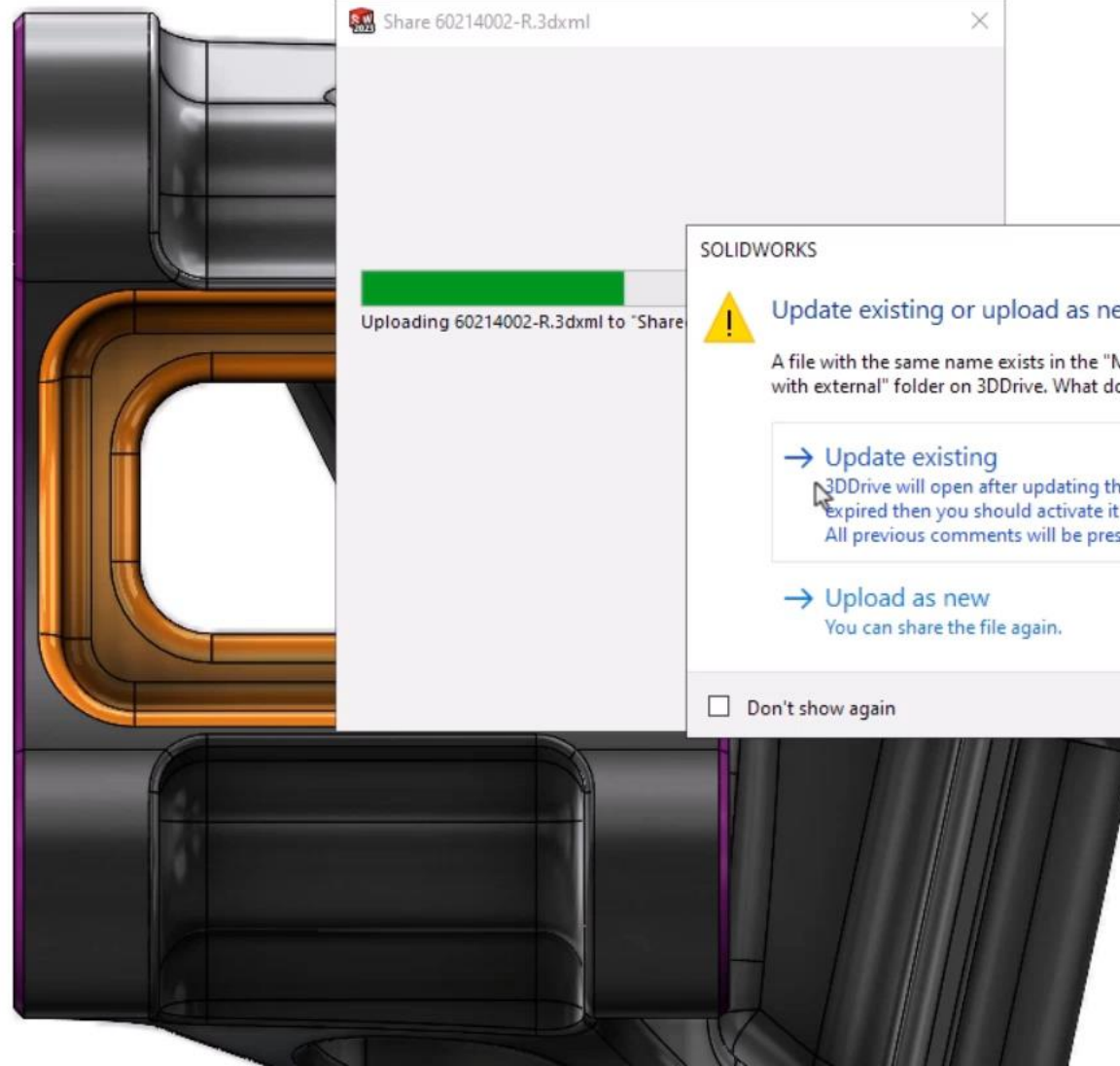
Search

Component Name	Status	Locked By	Rev	Description	Maturity State
60214002-R	✓		A.2	Upright - Right - RX	Frozen
602140...	✓		A.2	Upright - Right - RX	Frozen



Features Sketch Evaluate Lifecycle and Collaboration

- 60214002-R (60214002) <Display St: ^
- History
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- Ø12.0 (12.5) Diameter Hole1
- Ø1.0mm Dowel Hole1
- Cut-Extrude21
- Cut-Extrude26
- Plane8
- Plane10
- Cut-Extrude27



Share 60214002-R.3dxml

Uploading 60214002-R.3dxml to "Share"

SOLIDWORKS

Update existing or upload as new

A file with the same name exists in the "My Files > Share with external" folder on 3DDrive. What do you want to do?

- **Update existing**
3DDrive will open after updating the file. If the link has expired then you should activate it and share again. All previous comments will be preserved.
- **Upload as new**
You can share the file again.

Don't show again Cancel



3DEXPERIENCE

ENOVIA MySession - Bowhead

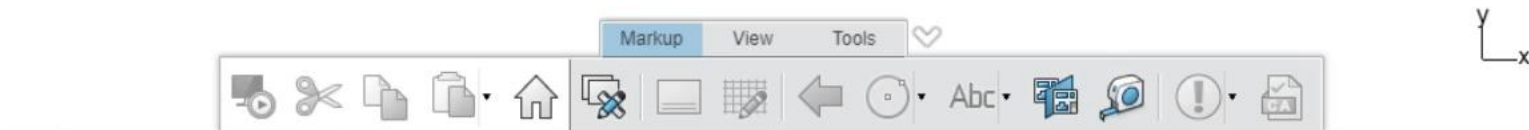
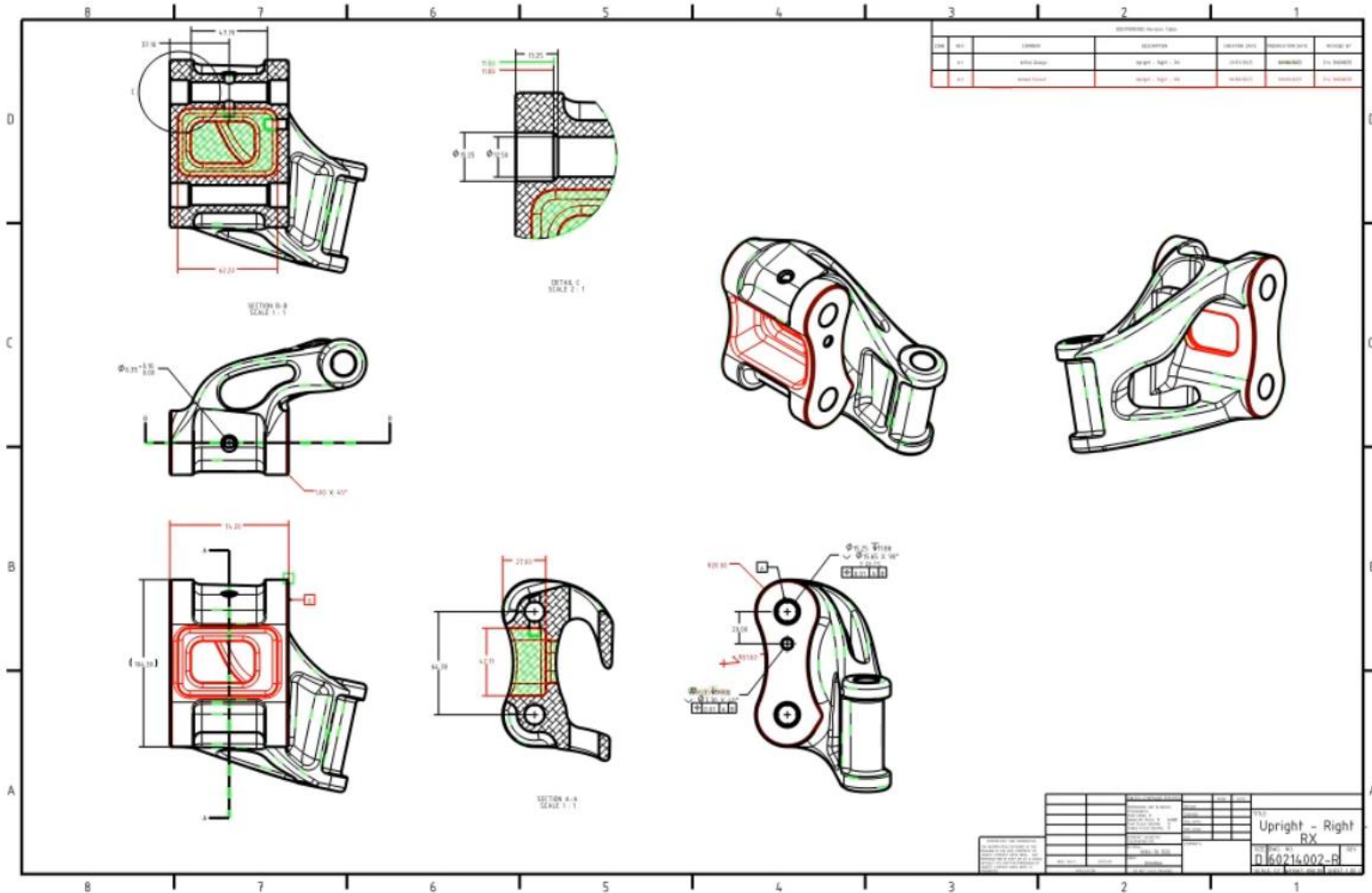
Component Name	Status	Locked By	Rev	Description	Maturity Sta
40099001		Eric ENGINEER		A.3 Front End Sub Assembly	In Work
60216001<1>		Dan DESIGNER		A.1 Bulkhead	In Work
60217001<1>		Dan DESIGNER		A.1 Lower Frame Articulation	In Work
60169001<2>		Eric ENGINEER		A.1 Articulation Mount - Fwd	In Work
60214002-R...				A.2 Upright - Right - RX	Frozen
60214001-L<...				A.2 Upright - Left - RX	Frozen
60258001<2>				A.1 Kingpin Spacer	In Work
60258001<1>				A.1 Kingpin Spacer	In Work
60213001<7>				A.1 Upper Articulation - Rear	In Work
90040001<1>				A.1 Lock Pin	In Work
60257001<5>				A.1 Articulation Pivot - Tapped	In Work
60257001<8>				A.1 Articulation Pivot - Tapped	In Work
60257001<6>				A.1 Articulation Pivot	In Work
60257001<9>				A.1 Articulation Pivot	In Work
60257001<7>				A.1 Articulation Pivot	In Work
60257001<10>				A.1 Articulation Pivot	In Work
60257001<1>				A.1 Articulation Pivot	In Work
60257001<2>				A.1 Articulation Pivot	In Work
60257001<3>				A.1 Articulation Pivot	In Work
60257001<4>				A.1 Articulation Pivot	In Work
90045001<1>				A.1 0.5 x 0.6 x 1 Bushing	In Work
90045001<2>				A.1 0.5 x 0.6 x 1 Bushing	In Work
90045001<3>				A.1 0.5 x 0.6 x 1 Bushing	In Work
90045001<4>				A.1 0.5 x 0.6 x 1 Bushing	In Work
6806 LLU M...				A.1 Ø 30 x Ø 42 x 7 - Bearing	In Work
6806 LLU M...				A.1 Ø 30 x Ø 42 x 7 - Bearing	In Work



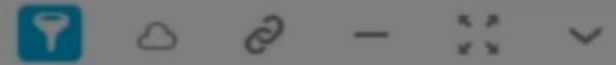
Head Screw



Item	Description	Lock	Owner	Maturity State	Menu
	Front End Sub Assembly		Dan DESIGNER	In Work	⌵
	Bowhead RX		Eric ENGINEER	In Work	⌵
	Articulation Mount - Rear		Eric ENGINEER	Frozen	⌵
	Upright - Right - RX		Eric ENGINEER	Frozen	⌵
	Upright - Right - RX		Eric ENGINEER	Frozen	⌵



ENOVIA - Product Structure Explore - 40099001



Title	Description	Revision	Owner	Maturity State	CA...	Menu
40099001	Front End Sub Assembly	A.3	Dan DESIGNER	In Work		
60214002-R	Upright - Right - RX	A.2	Eric ENGINEER	Released		
60169001	Articulation Mount - Fwd	A.1	Eric ENGINEER	Released		
60214001-L	Upright - Left - RX	A.2	Eric ENGINEER	Released		
60049001	Articulation Mount - Rear	A.1	Eric ENGINEER	Released		

View Tools

ENOVIA - Route Management - Design Release




(7)


☁ - ☰ ▾

+ 📄 ✂ 🗒 🗑 ⚙ 📊 ⋮ ⓘ ▾

In Work (2)




Need Casting Quote
 📄 ISS-R1132101616156-0000047 ▾
 The front upright needs to be lighter




Foot Sole Durability
 📄 ISS-R1132101616156-0000029 ▾
 Wear and tear on sole component results on degraded appearance ...

In Approval (2)



Finalize Front Suspension
 📄 ISS-R1132101616156-0000049 ▾
 Complete the design of the front suspension



Need Additional Support ...
 📄 ISS-R1132101616156-0000048 ▾
 There's not enough support for the front suspension

☰ ☑ ☑ ☑

Quote ⏪ ⏩ ▾ ▲ ✕

Priority : 📄 Medium

Due Date : 8/18/2023

Approvals : OFF

📎 Attachments (1) 👤 Members (2) 💬 Comments (2) 🌐 Relations 🕒 History

ue

1132101616156-0000047

Casting Quote

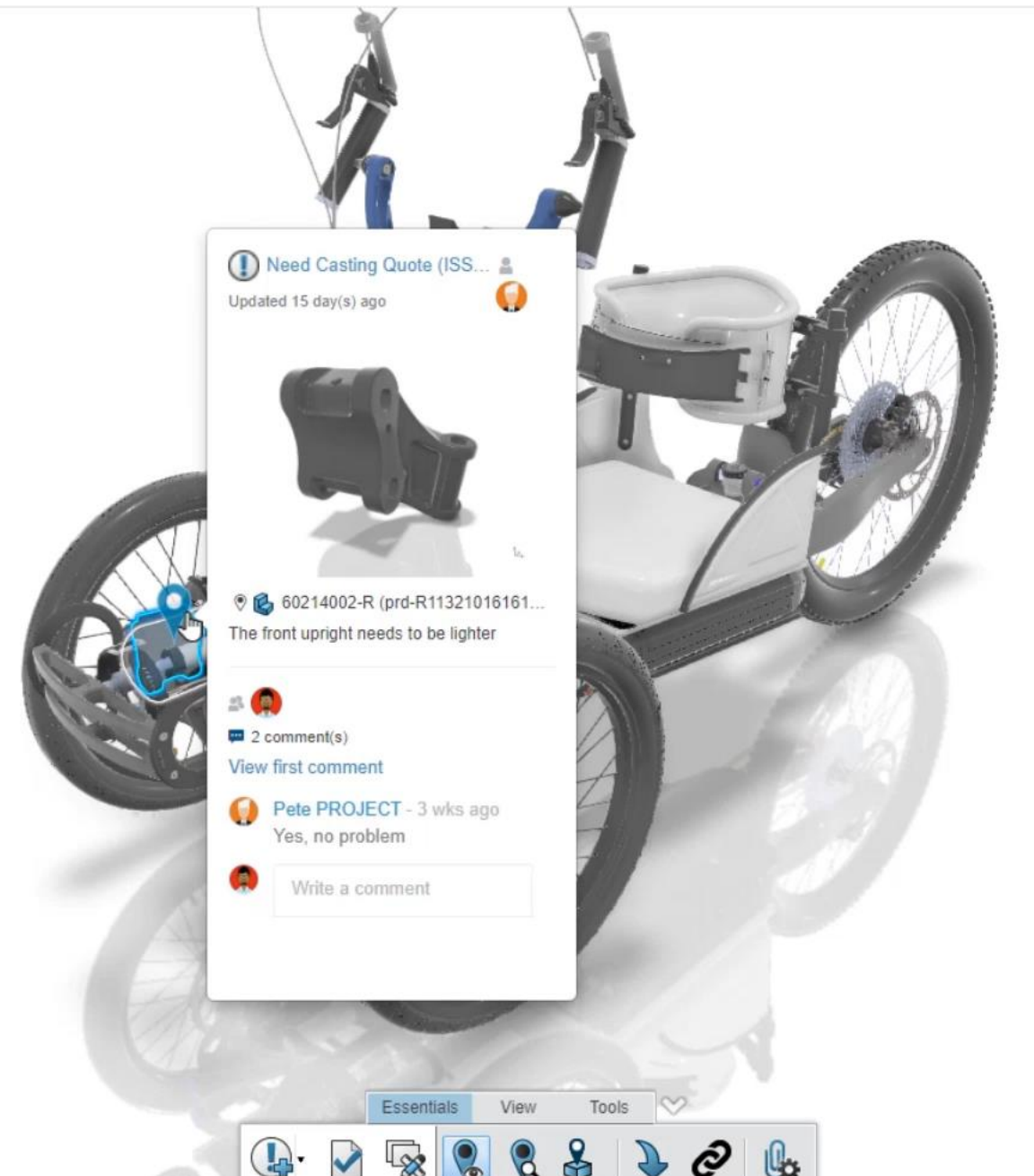
nt upright needs to be lighter

m

2023, 5:13:31 PM


✎

ENOVIA - Issue 3D Review - My issues (2) ☁ - ☰ ▾



Need Casting Quote (ISS... ⓘ

Updated 15 day(s) ago



📍 60214002-R (prd-R11321016161...)

The front upright needs to be lighter

👤

💬 2 comment(s)

[View first comment](#)

👤 **Pete PROJECT** - 3 wks ago
Yes, no problem

👤

Y
X
Z

Essentials View Tools

📄 ☑ ✂ 🗒 🗑 📍 👤 📏 🔗 ⚙

🗒 2 ✓ Loading complete ||



Validate Link Materials

ISS-R1132101616156-00000

New link looks great, can you validate the material definition ...



Need Casting Quote

In Work

Owner : Pete PROJECT

Collaborative Space : Bowhead

Priority : **Medium**

Due Date : 8/18/2023

Approvals : OFF



Properties



Contents (4)



Attachments (1)



Members (2)



Comments (2)



Relations



History



Comment

3



Eric ENGINEER - 3 wks ago

Will do - OK to send model and drawing?

Reply



Pete PROJECT - 3 wks ago

Yes, no problem

Reply



Eric ENGINEER - just now

Ideas were great and quote was in budget

Reply



1

Finalize Front Suspension ISS-R1132101616156-0000049

Owner: Pete PROJECT

Maturity state: In Approval

Priority: Medium

Description

Finalize the design of the front suspension

Resolution Recommendation

Resolution Statement

Actual Start Date: Mon Jul 24 21:13:31 UTC 2023

Actual End Date: Fri Aug 18 21:02:43 UTC 2023

Due Date: Fri Aug 18 21:02:43 UTC 2023

Creation Date: Mon Jul 24 21:02:56 UTC 2023

Modification Date: Fri Aug 11 17:57:30 UTC 2023

Reporting organization: Company Name

Responsible organization: Company Name

8-13-23

2

Need Additional Support for Front Suspension ISS-R1132101616156-0000048

Owner: Pete PROJECT

Maturity state: In Approval

Priority: High

Description

Need additional support for the front suspension

Resolution Recommendation

Resolution Statement

Actual Start Date: Mon Jul 24 21:13:31 UTC 2023

Actual End Date: Fri Aug 18 21:02:43 UTC 2023

Due Date: Fri Aug 18 21:02:43 UTC 2023

Creation Date: Mon Jul 24 21:02:56 UTC 2023

Modification Date: Fri Aug 11 17:57:30 UTC 2023

Reporting organization: Company Name

Responsible organization: Company Name

8-13-23

3

Need Casting Quote ISS-R1132101616156-0000047

Owner: Pete PROJECT

Maturity state: In Approval

Priority: Medium

Description

The front upright needs to be lighter

Resolution Recommendation

Work with manufacturing supplier to see if we can remove material as well as get the best deal on casting / machining

Resolution Statement

Revised design with suggestions and moving forward with manufacturing

Actual Start Date: Mon Jul 24 21:13:31 UTC 2023

Actual End Date: Fri Aug 18 21:02:43 UTC 2023

Due Date: Fri Aug 18 21:02:43 UTC 2023

Creation Date: Mon Jul 24 21:02:56 UTC 2023

Modification Date: Fri Aug 11 17:57:30 UTC 2023

Reporting organization: Company Name

Responsible organization: Company Name

8-13-23

4

Investigate Carbon Fiber ISS-R1132101616156-0000035

Owner: Pete PROJECT

Maturity state: To Do

Priority: Low

Description

Investigate manufacturing capability with the steel and fiber

Resolution Recommendation

Resolution Statement

Actual Start Date: Mon Jul 24 21:13:31 UTC 2023

Actual End Date: Fri Aug 18 21:02:43 UTC 2023

Due Date: Fri Aug 18 21:02:43 UTC 2023

Creation Date: Mon Jul 24 21:02:56 UTC 2023

Modification Date: Fri Aug 11 17:57:30 UTC 2023

Reporting organization: Company Name

Responsible organization: Company Name

8-13-23

Need Casting Quote

ISS-R1132101616156-0000047

Owner: Pete PROJECT

Maturity state: In Approval

Priority: Medium

Description

The front upright needs to be lighter

Resolution Recommendation

Work with manufacturing supplier to see if we can remove material as well as get the best deal on casting / machining

Resolution Statement

Revised design with suggestions and moving forward with manufacturing

Action taken

Reached out to supplier for design ideas and quote

Contexts

prd-R1132101616156-00010983 A.1
prd-R1132101616156-00010433 A.2

Assignees

Eric ENGINEER

Reported Against

prd-R1132101616156-00010286 A.1
prd-R1132101616156-00010288 A.1

Resolved by

8-11-23