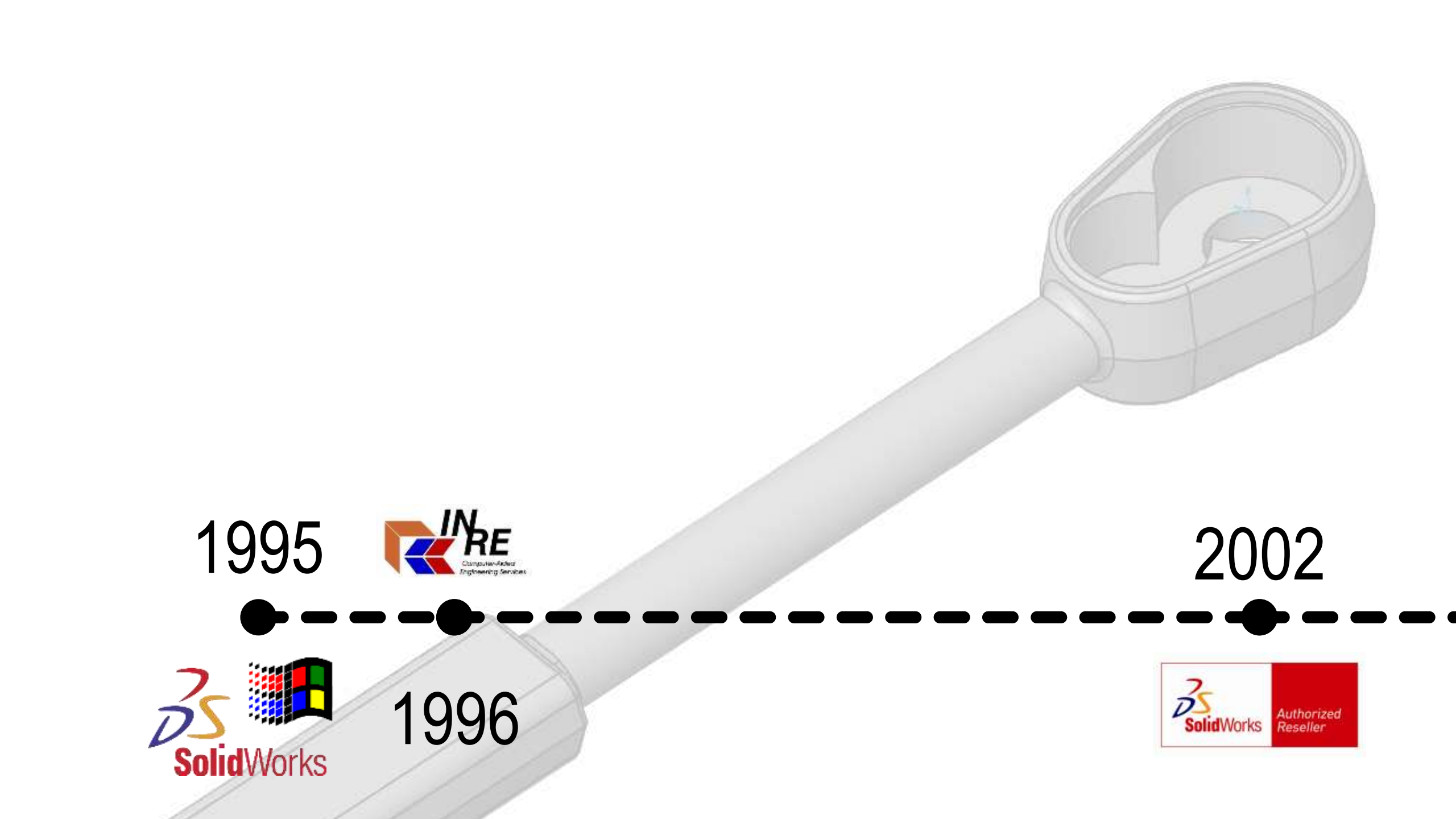
KAS NAUJO 2023?

Andrej Jarmolajev

3DEXPERIENCE® sprendimų tiekėjas Lietuvoje
SOLIDWORKS Palaikymo ir mokymo centras Lietuvoje

DIENOTVARKE

- 3DEXPERIENCEWorks - kas tai?
- SOLIDWORKS® 2023 naujos galimybės 1 dalis.
- SOLIDWORKS® 2023 naujos galimybės 2 dalis.
- Kavos pertraukėlė.
- SOLIDWORKS® CAM ir CAMWorks – sprendimai metalo apdirbimo pramonei
- SWOOD CAD/CAM - sprendimai baldų gamybos ir medžio apdirbimo pramonei.
- Diskusijos, klausimai


1995
INRE
Computer-Aided Engineering Services
2002
SolidWorks
1996
SolidWorks
Authorized Reseller

SOLIDWORKS

2022

SOLIDWORKS

3DEXCITE

3DVIA

BIOVIA

CATIA

CENTRICPLM

DELMIA

ENOVIA

EXALEAD

GEOVIA

NETVIBES

SIMULIA

GEOVIA EXALEAD CATIA SOLIDWORKS CENTRICPLM 3DEXCITE 3DVIA BIOVIA ENOVIA SIMULIA DELMIA NETVIBES

VALDYMAS

PROJEKTAVIMAS

VIRTUALUS TESTAVIMAS

GAMYBA

RINKODARA PARDAVIMAI

VALDYMAS

VIRTUALUS TESTAVIMAS

Efektyviausias šiai dienai debesijos technologijų panaudojimas inžinerijoje:

- Gaminių informacijos (3D modeliai, brėžiniai), specifikacijos, kitų duomenų, o taip pat procesų, projektų, resursų valdymas bei pasidalinimas tarpusavyje, o taip pat tarp klientų ir užsakovų
- Sudėtingesni gaminiai ir tikslesni skaičiavimai reikalauja vis didesnių kompiuterinių resursų. Skaičiavimai debesijoje leidžia pasinaudoti neribotais resursai, kurie neprieinami įprastai

3DEXPERIENCE

VALDYMAS

DEBESIJOS PDM

IN RE | **3D**EXPERIENCE® sprendimų tiekėjas Lietuvoje
SOLIDWORKS Palaikymo ir mokymo centras Lietuvoje

MODULINĖ STRUKTŪRA TENKINANTI KIEKVIENO VARTOTOJO POREIKIUS

Nuo paprasto duomenų saugojimo ir bendradarbiavimo iki gaminio gyvavimo ciklo valdymo (PLM)

PROJEKTŲ VALDYMAS (XPP-OC)

SOCIALINĖ VERSLO ANALITIKA

2DCAD – DRAFTSIGHT CONNECTED

LEAN TEAM ir .....

CAD: SOLIDWORKS, ALTIUM, CREO, NX, SOLIDEDGE, CATIA, AUTOCAD, INVENTOR.. **OFFICE 365**

Jungtis su 3DCAD

Jungtis su ECAD

Jungtis su EDA

Jungtis su Office 365

SOLIDWORKS

CATIA

Debesijos CAD įrankiai

ENOVIA

3D PRODUCT ARCITECT

RELEASE ENGINEER

3DEXCITE

MANUFACTURING DEFINITION CREATOR

PRODUCT COMMUNICATOR

FACTORY SIMULATION ENGINEER

DELMIA

ROBOT PROGRAMMER

MANUFACTURING ITEM ENGINEER

NC MILL-TURN PROGRAMMER

ELECTROMAGNETIC ENGINEER

SIMULIA

STRUCTURAL ENGINEER

FLUID DINAMICS ENGINEER

ENTERPRISE INTEGRATION ARCHITECT

ENOVIA

CHANGE MANAGER

CLASSIFICATION INTELLIGENCE ANALIST

GAMINIO INFORMACIJOS VALDYMO ĮRANKIAI (CSV-OC)

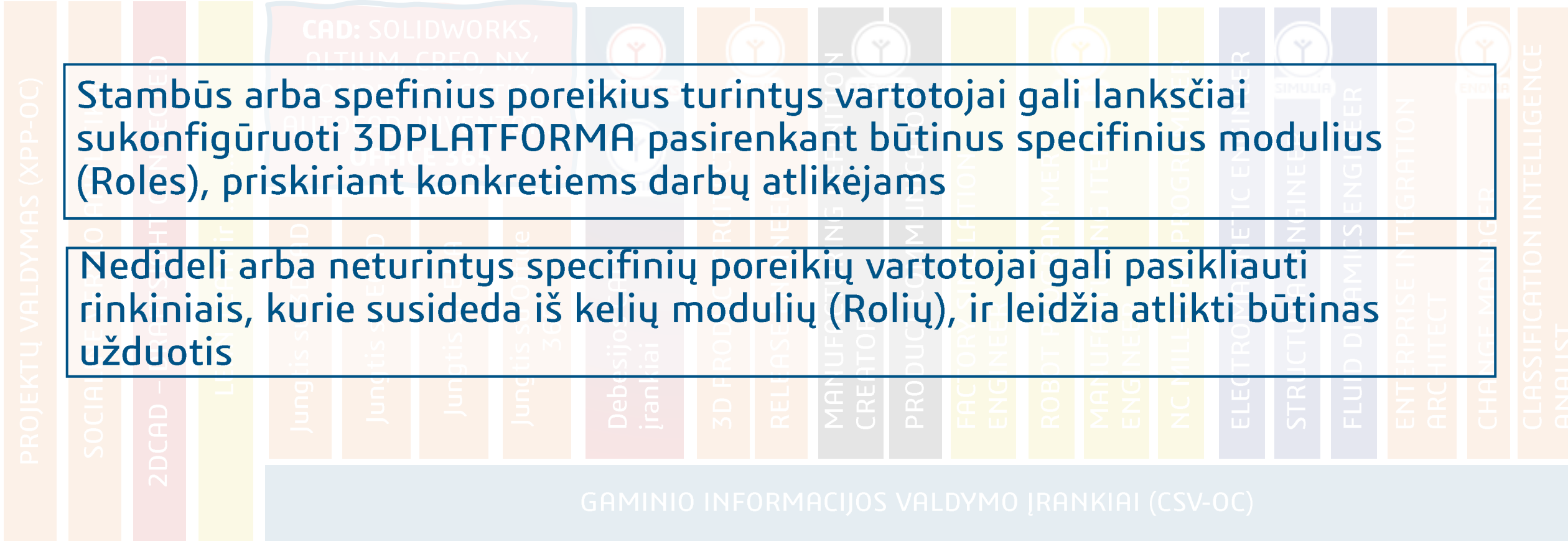
BENDRADARBIAVIMO IR VERSLO VALDYMO BAZINIAI ĮRANKIAI (IFW-OC)

MODULINĖ STRUKTŪRA TENKINANTI KIEKVIENO VARTOTOJO POREIKIUS

Nuo paprasto duomenų saugojimo ir bendradarbiavimo iki gaminio gyvavimo ciklo valdymo (PLM)

Stambūs arba spefinius poreikius turintys vartotojai gali lanksčiai sukonfigūruoti 3DPLATFORMA pasirenkant būtinus specifinius modulius (Roles), priskiriant konkretiems darbų atlikėjams

Nedideli arba neturintys specifinių poreikių vartotojai gali pasikliauti rinkiniais, kurie susideda iš kelių modulių (Rolių), ir leidžia atlikti būtinas užduotis



BENDRADARBIAVIMO IR VERSLO VALDYMO BAZINIAI ĮRANKIAI (IFW-OC)

MODULINĖ STRUKTŪRA TENKINANTI KIEKVIENO VARTOTOJO POREIKIUS

Nuo paprasto duomenų saugojimo ir bendradarbiavimo iki gaminio gyvavimo ciklo valdymo (PLM)

PROJEKTŲ VALDYMAS (XPP-OC)

SOCIALINE VERSLO ANALITIKA

2DCAD – DRAFTSIGHT CONNECTED

LEAN TEAM ir .....

CAD: SOLIDWORKS, ALTIUM, CREO, NX, SOLIDEDGE, CATIA, AUTOCAD, INVENTOR..
OFFICE 365

Jungtis su 3DCAD

Jungtis su ECAD

Jungtis su EDA

Jungtis su Office 365

SOLIDWORKS

CATIA

Debesijos CAD įrankiai

ENOVIA

3D PRODUCT ARCITECT

RELEASE ENGINEER

3DEXCITE

MANUFACTURING DEFINITION CREATOR

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ENTERPRISE INTEGRATION ARCHITECT

ENOVIA

CHANGE MANAGER

CLASSIFICATION INTELLIGENCE ANALIST

GAMINIO INFORMACIJOS VALDYMO ĮRANKIAI (CSV-OC)

BENDRADARBIAVIMO IR VERSLO VALDYMO BAZINIAI ĮRANKIAI (IFW-OC)

INFORMACIJOS SAUGOJIMAS IR VALDYMAS

BENDRADARBIAVIMAS

GYVAVIMO CIKLO VALDYMAS

KEITIMŲ VALDYMAS

SOLIDWORKS INNORE DASSAULT SYSTEMES

INFORMACIJOS SAUGOJIMAS IR PERŽIŪRA NARŠYKLĖJE

My Tasks | My Data | My Designs

Selected Tags

Make Or Buy? ✕

- **Where**
  - Bookmark 1
  - Collaborative Space 1
  - Engineering Workspace 1
- **Who**
  - Last Modified By 2
  - Organization 1
  - Owner 1
  - Vendor 3
- **When**
  - Creation Date 1
  - Is Last Revision 1
  - Modification Date 1
- **How**
  - Make Or Buy? 2
    - MAKE 17
    - BUY

ENOVIA - Product Structure Explore - MOTO KNEE(MOTO KNEE)

Title	Enterprise Item Number	Description	Po...	Revision	Maturity State	Menu
MOTO KNEE(MOTO KNEE)		MOTO KNEE		A.1	In Work	
BUY						
MAKE						
17-871(17-871)		FOX DPS SHOCK CYLI...		A.1	In Work	
17-845(17-845)		CLEVIS		A.1	In Work	
17-843(17-843)		ROD END		A.1	In Work	
17-872(17-872)		FOX DPS - ROD		A.1	In Work	
17-874(17-874)		LOWER PIN		A.1	In Work	
17-846(17-846)		BUSHING - CLEVIS 13 ...		A.1	In Work	
17-847(17-847)		SHAFT-TRACK		A.1	In Work	
17-899(17-899)		LOWER BRACKET		A.1	In Work	
17-862(17-862)		BRONZE BUSHING - 1...		A.1	In Work	
17-853(17-853)		FRAME ASSEMBLY		A.1	In Work	
17-846(17-846)		BUSHING - CLEVIS 13 ...		A.1	In Work	
17-849(17-849)		SPACER		A.1	In Work	
17-840(17-840)		TOP PIVOT MOUNT		A.1	In Work	
17-849(17-849)		SPACER		A.1	In Work	
Other						

View | Tools

ENOVIA - 3D Navigate - MOTO KNEE(MOTO KN...

View | Tools

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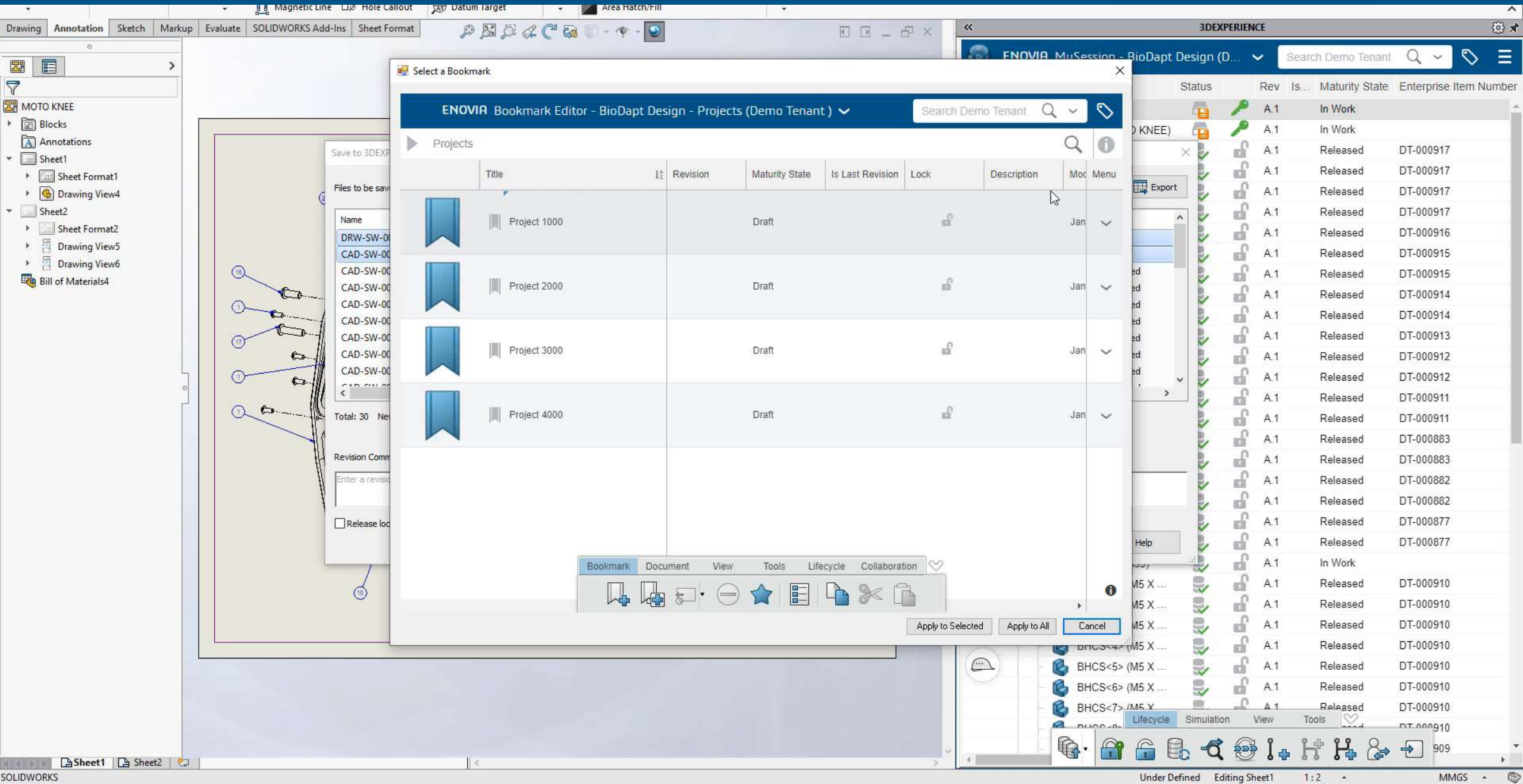
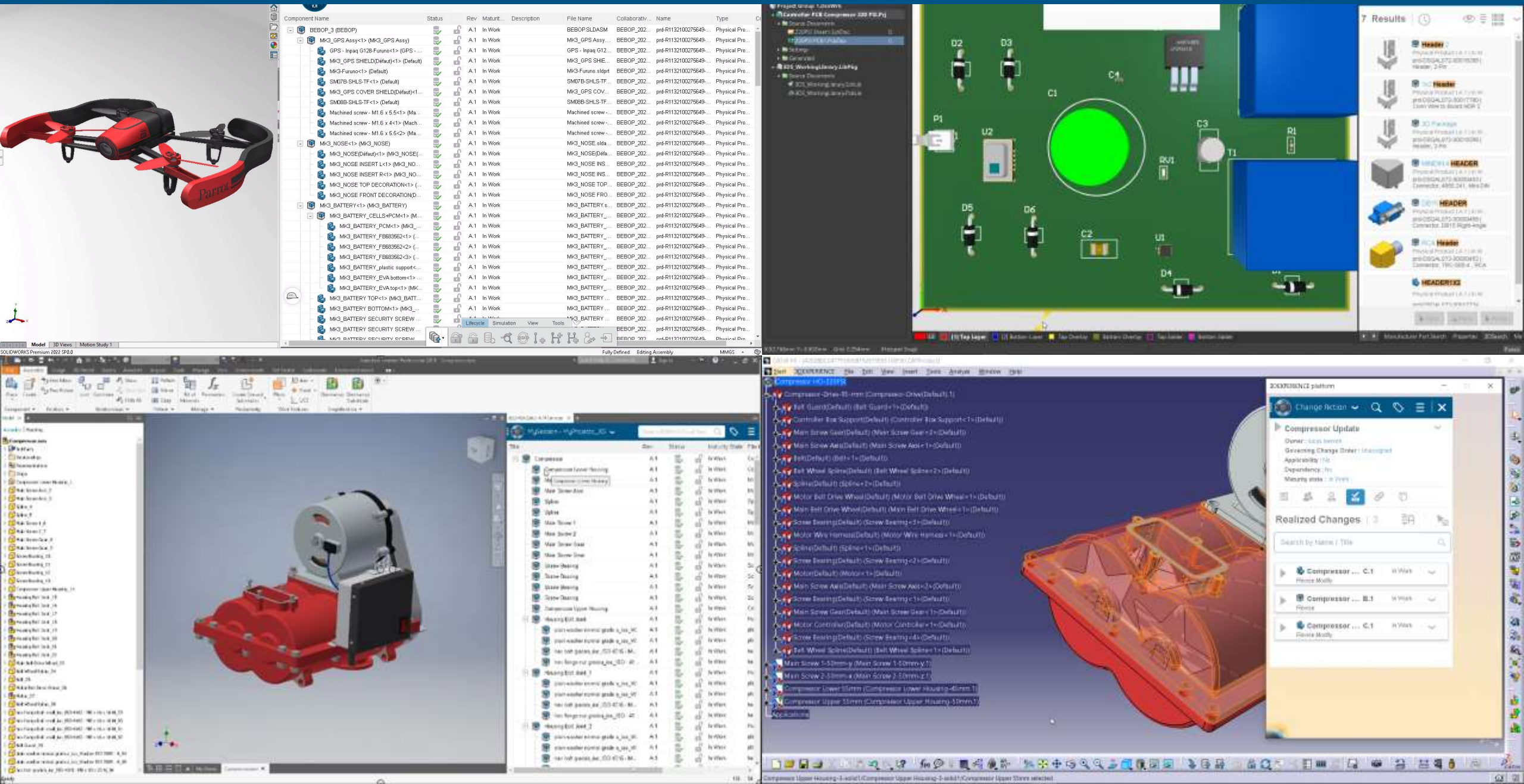
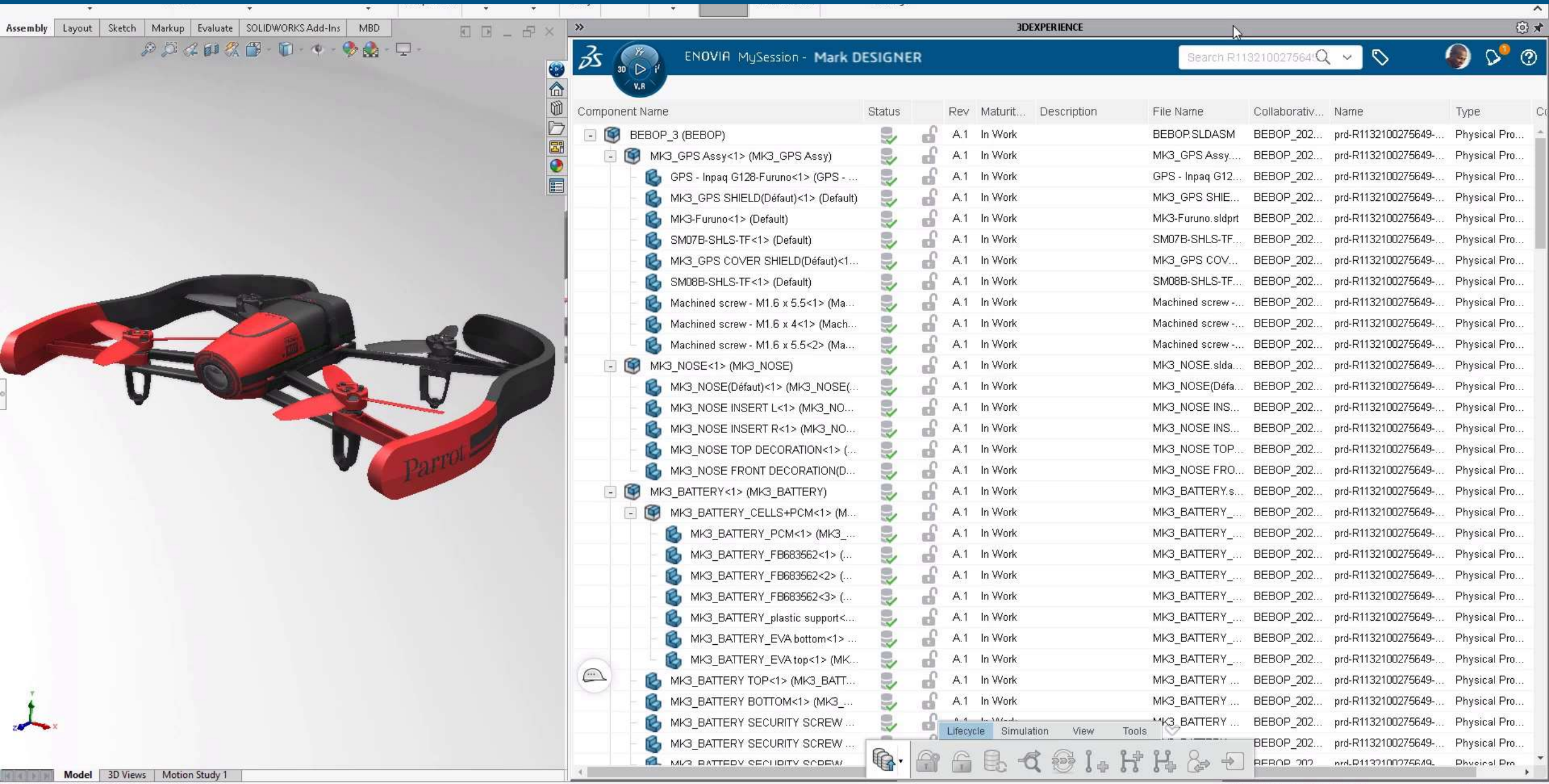
ORGANIZAVIMAS NAUDOJANT „BOOKMARKS“



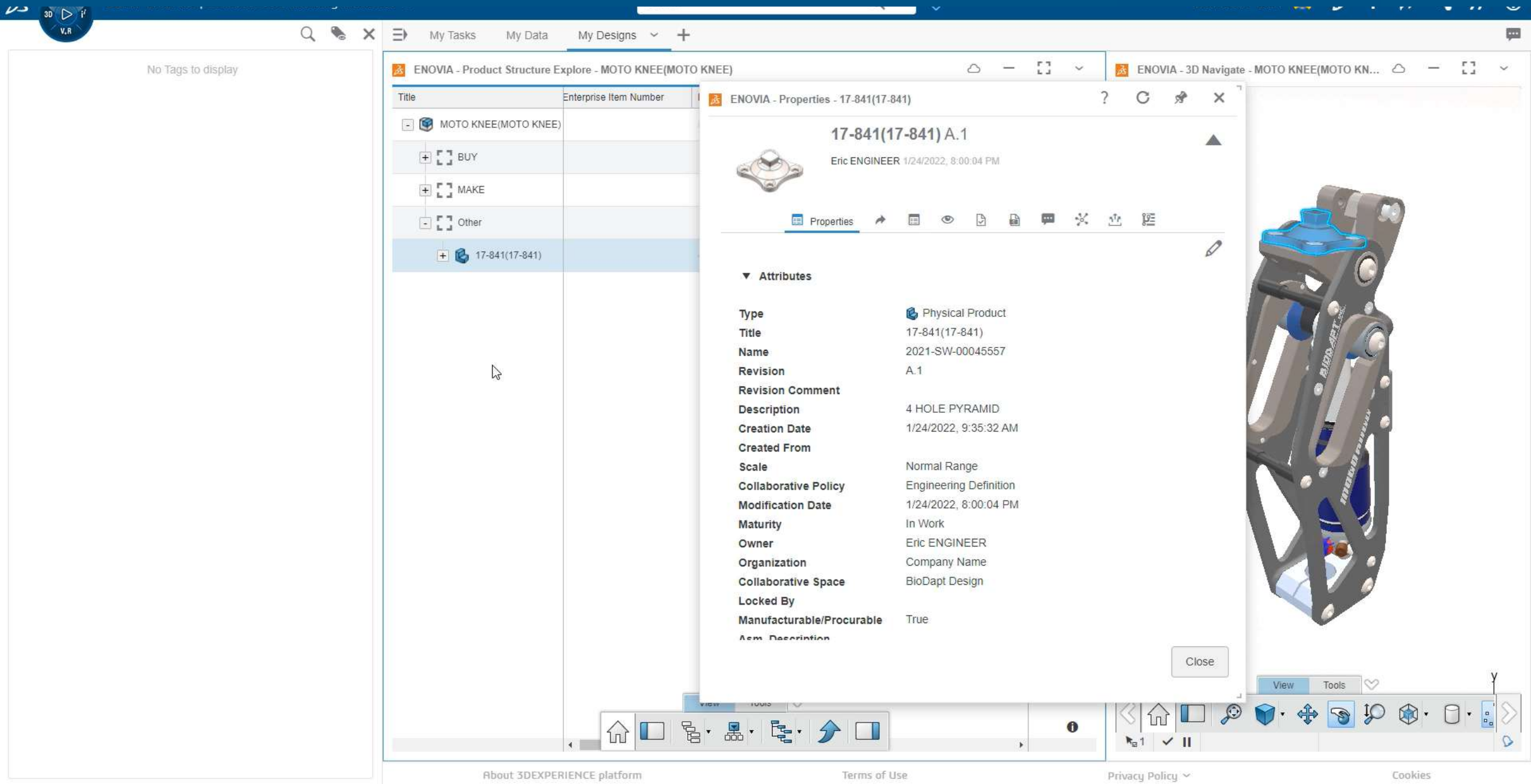
DARBAS SU JŪSŲ PAGEIDAUJAMA CAD SISTEMA



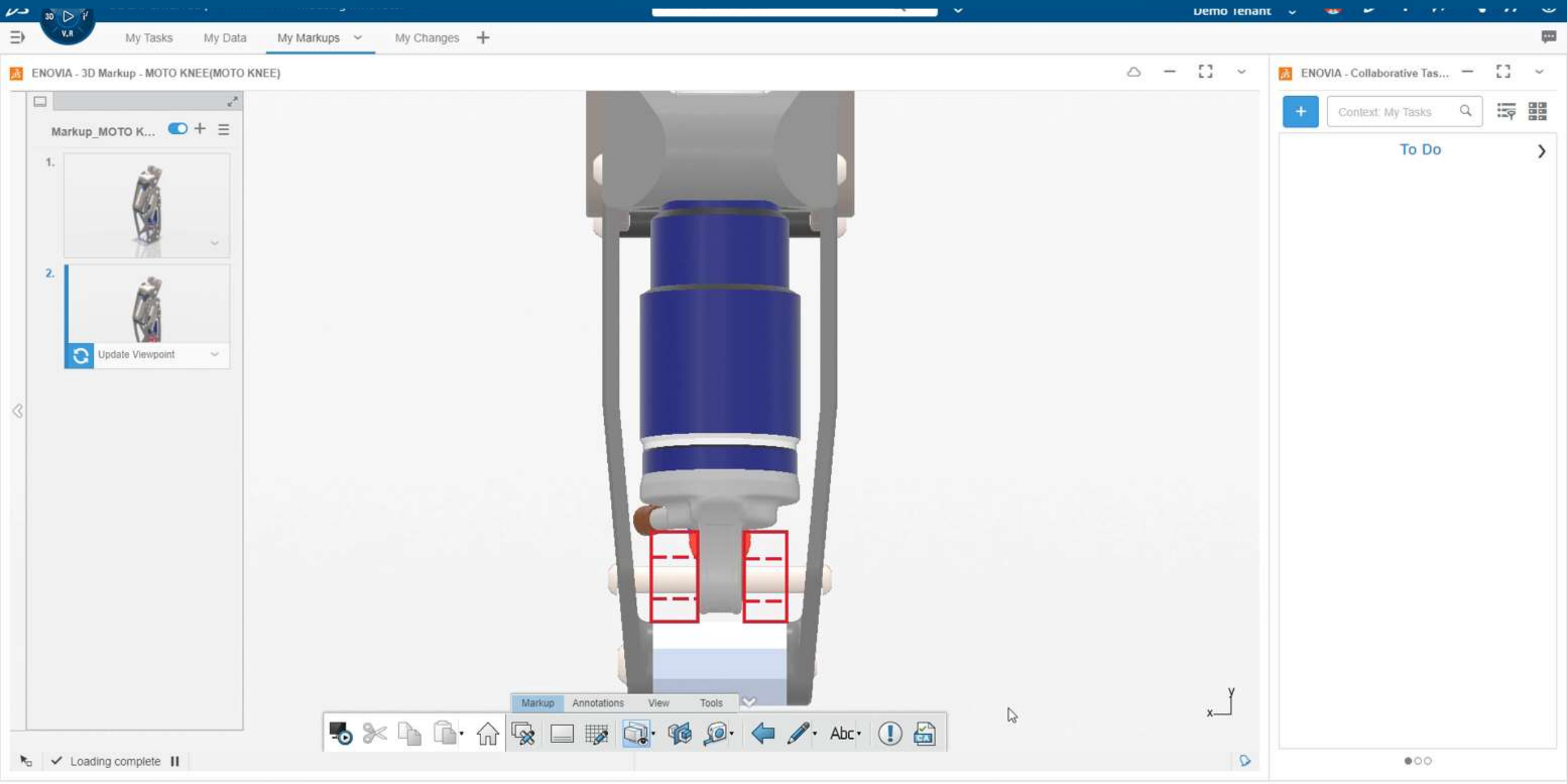
TAME TARPE IR SU SOLIDWORKS ;)



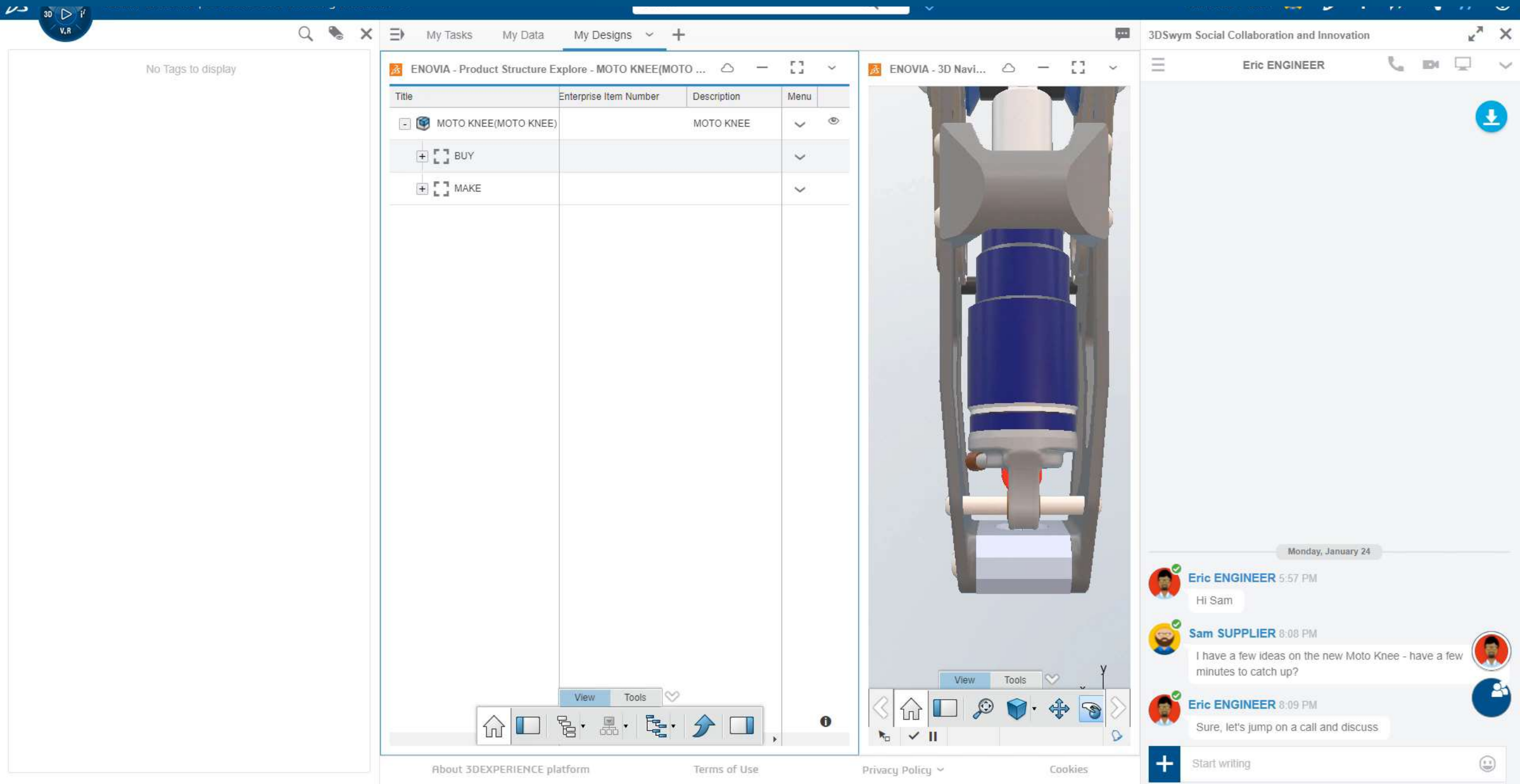
SAVYBIŲ PERŽIŪRA



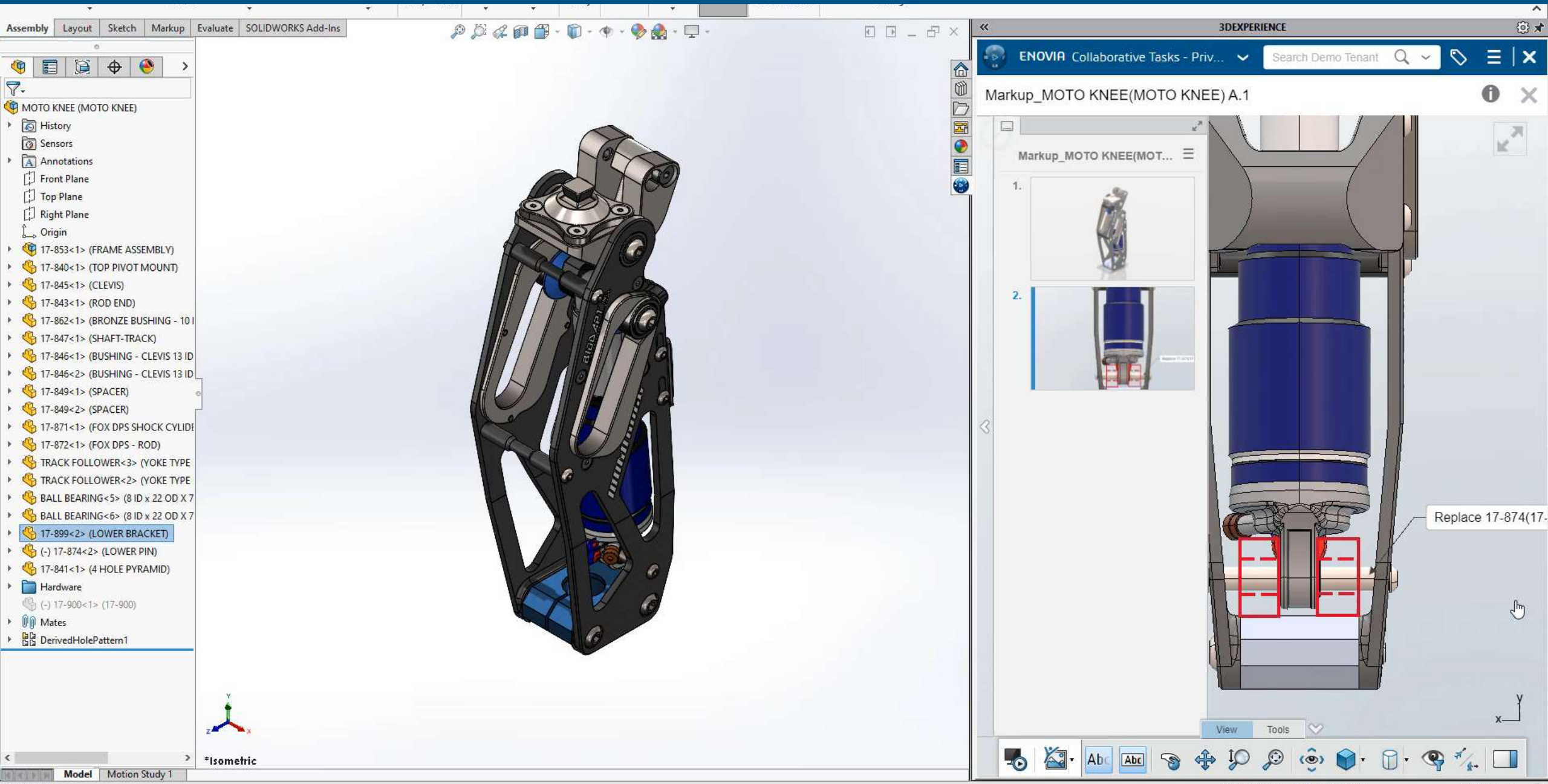
FIKSUOTI IDĖJAS IR KOMENTARUS



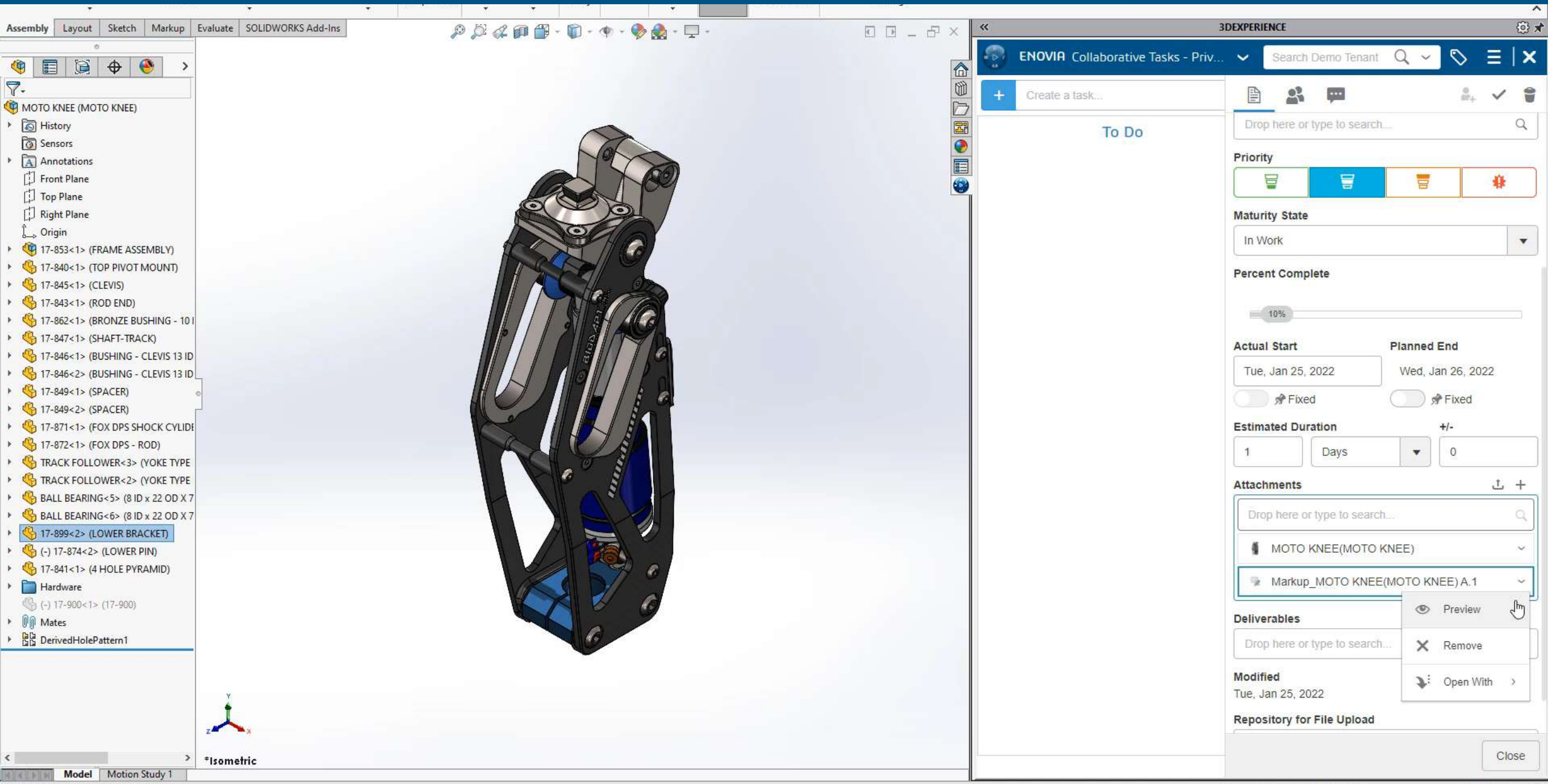
BENDRAUJANT ON-LINE DALINTIS IDĖJOMIS IR PASTABOMIS



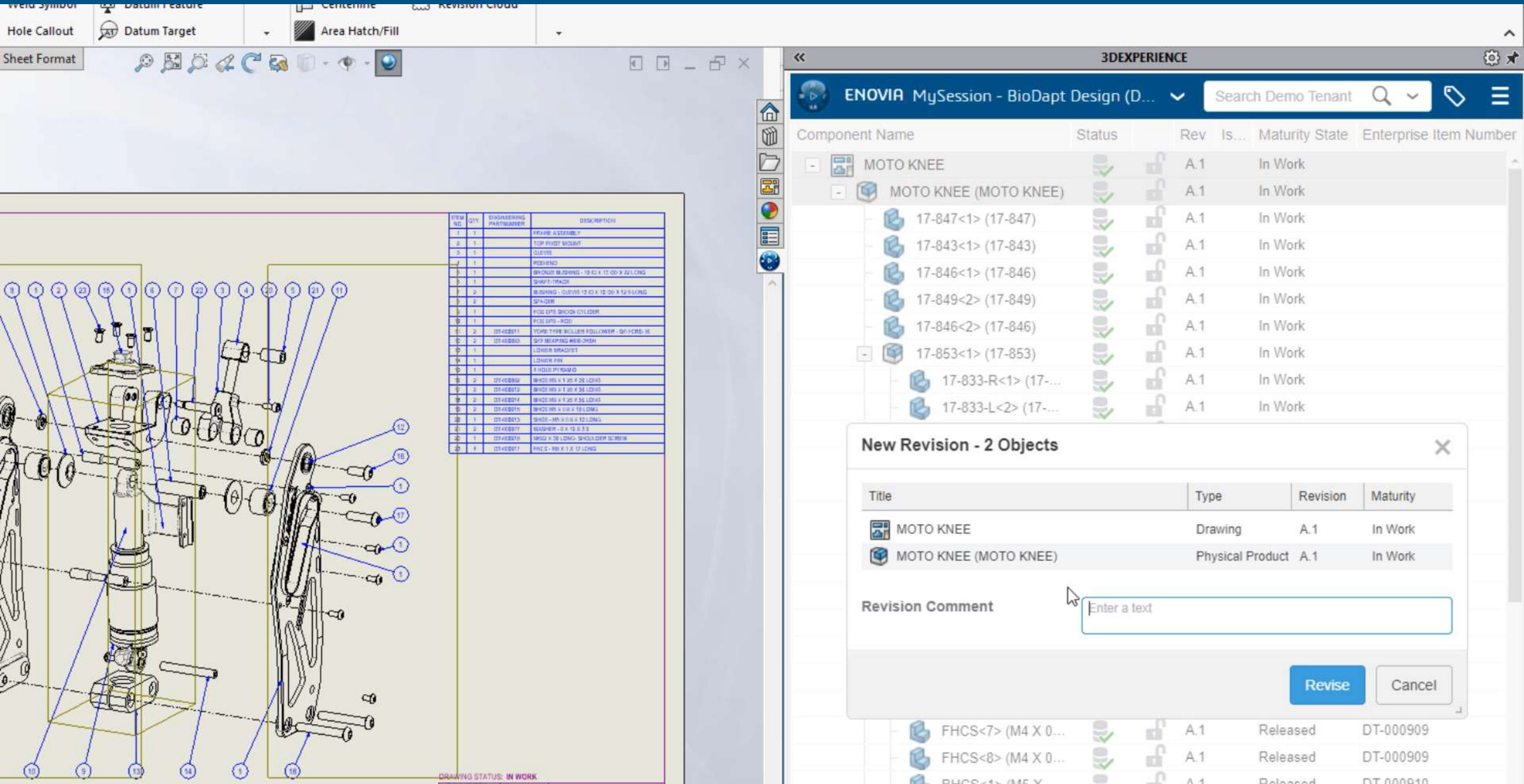
PASTABŲ PERŽIŪRA IŠ xCAD



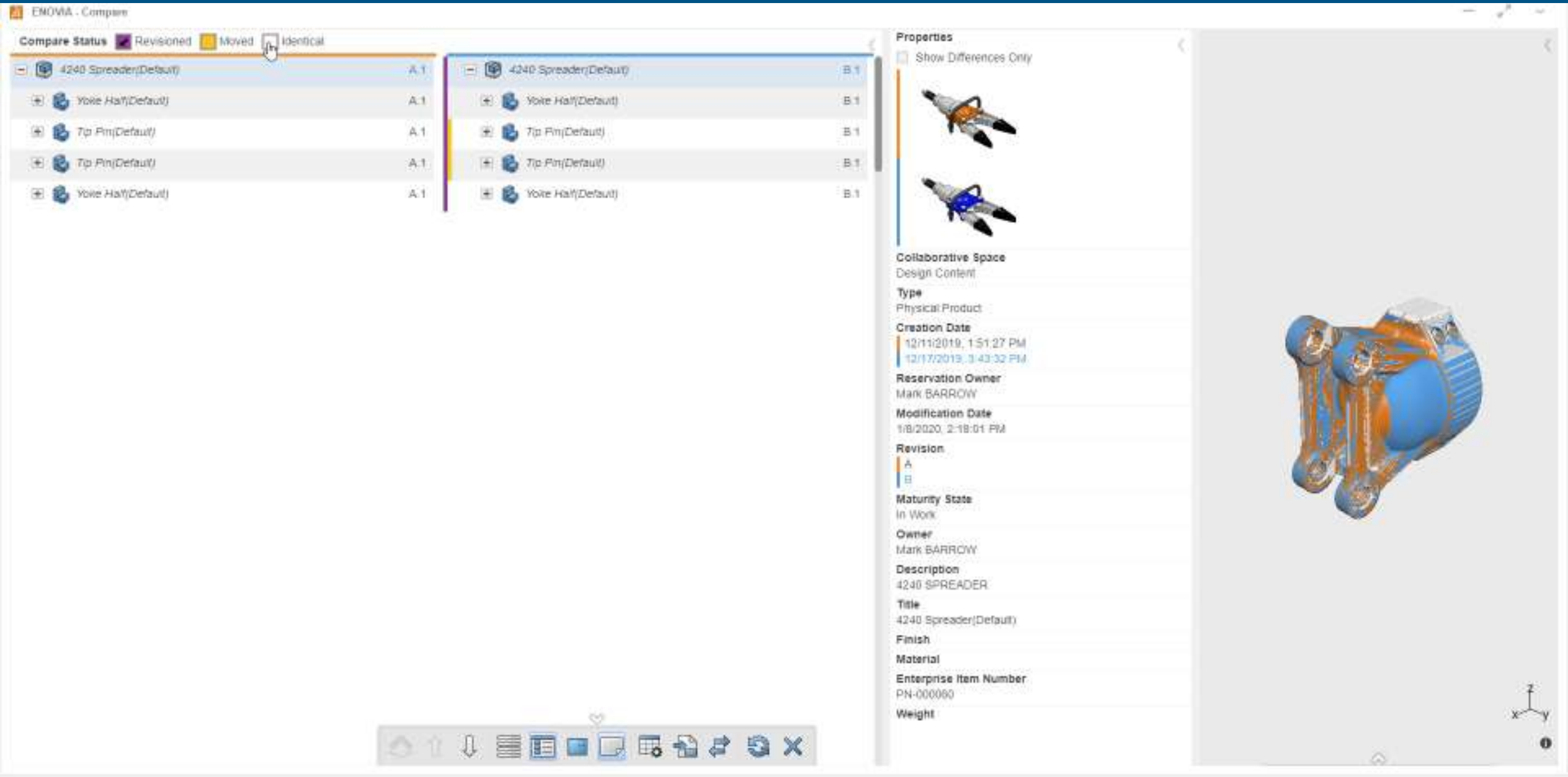
UŽDUOČIŲ SKIRSTYMAS IR VYKDYMAS



REVIZIJŲ VALDYMAS PAGAL NUSTATYTAS TAISYKLES



VIZUALIAI PALYGYNTI VERSIJAS IR VARIANTUS



KEITIMŲ VALDYMAS

Demo Tenant

My Tasks | My Data | My Markups | My Changes | My Routes

ENOVIA - Issue Management - My issues (7)

Title	Name	Maturity State	Description	Priority	Actions
Chain Guard Covering	ISS-SW-0000025	Draft	The rear drive chain gu...	Pre-assigned	
Ball Hitch Extension	ISS-SW-0000023	In Work	User complaint about b...	Low	
Handlebar Risers	ISS-SW-0000024	In Work	User complaint about n...	Low	
Reduce Weight	ISS-SW-0000063	In Work	Customers are looking f...	Low	
Front Shock Length Resize	ISS-SW-0000021	In Approval	The travel on the front s...	Medium	
Casted enclosure needs manufacturability...	ISS-SW-0000047	In Work	Need to verify this casti...	Medium	
Reduce Overall Weight	ISS-SW-0000069	In Work	Customers are requesti...	High	

Reduce Overall Weight (ISS-SW-0000069)

Opened 5 minute(s) ago. Owned by Ben BU

1 1 0 1 0 0 1/28/2022

Set the issue(s) as 'In Work' state to indicate you are working on it.

Draft | To Do | In Work | In Approval | Completed

Properties | Related Object(s) | Members | Attachments | Comments | History

Contexts 1

Title	Type	Name	Revision	Maturity State
VF2 Foot(VF2 Foot)	Physical Product	2021-SW-00045695	A.1	Released

ENOVIA - Issue 3D Review - My issues (1)

Essentials | View | Tools

ENOVIA - Change Action

PROJEKTO TVIRTINIMAS

Demo Tenant

My Tasks | My Data | My Markups | My Changes | My Routes

ENOVIA - Issue Management - My issues (7)

ENOVIA - Change Action

Reduce Overall Weight

Owner : Eric ENGINEER
Collab Space : BioDapt Design
Organization : Company Name
Applicability : No
Dependency : No
Governing Change Order : Unassigned
Attachment : 0
Maturity : In Approval

Properties | Members | Proposed Changes | Realized Changes | Approvals | Contexts

All

Manufacturing Approval
Approved
1/27/2022 SS Completed

Quality Approval
Approved
1/27/2022 DD Completed

Product Management Approval
Approved
1/27/2022 BB Completed

Any

Purchasing A
Approved
1/27

Purchasing A
Approved
1/27

Purchasing A
Approved
1/27

ENOVIA - Issue 3D Review - My issues - There are no issues to show.

Essentials | View | Tools

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INFORMACIJOS SAUGOJIMAS IR VALDYMAS

SAUGUS VISŲ PROJEKTO DUOMENŲ SAUGOJIMAS DEBESIJOJE

BENDRADARBIAVIMAS

BENDRADARBIAVIMAS SU 3D PERŽIŪROS PRIEMONĖMIS

GYVAVIMO CIKLO VALDYMAS

GAMINIO/PROJEKTO VYSTYMO PROCESO VALDYMO PRIEMONĖS

KEITIMŲ VALDYMAS

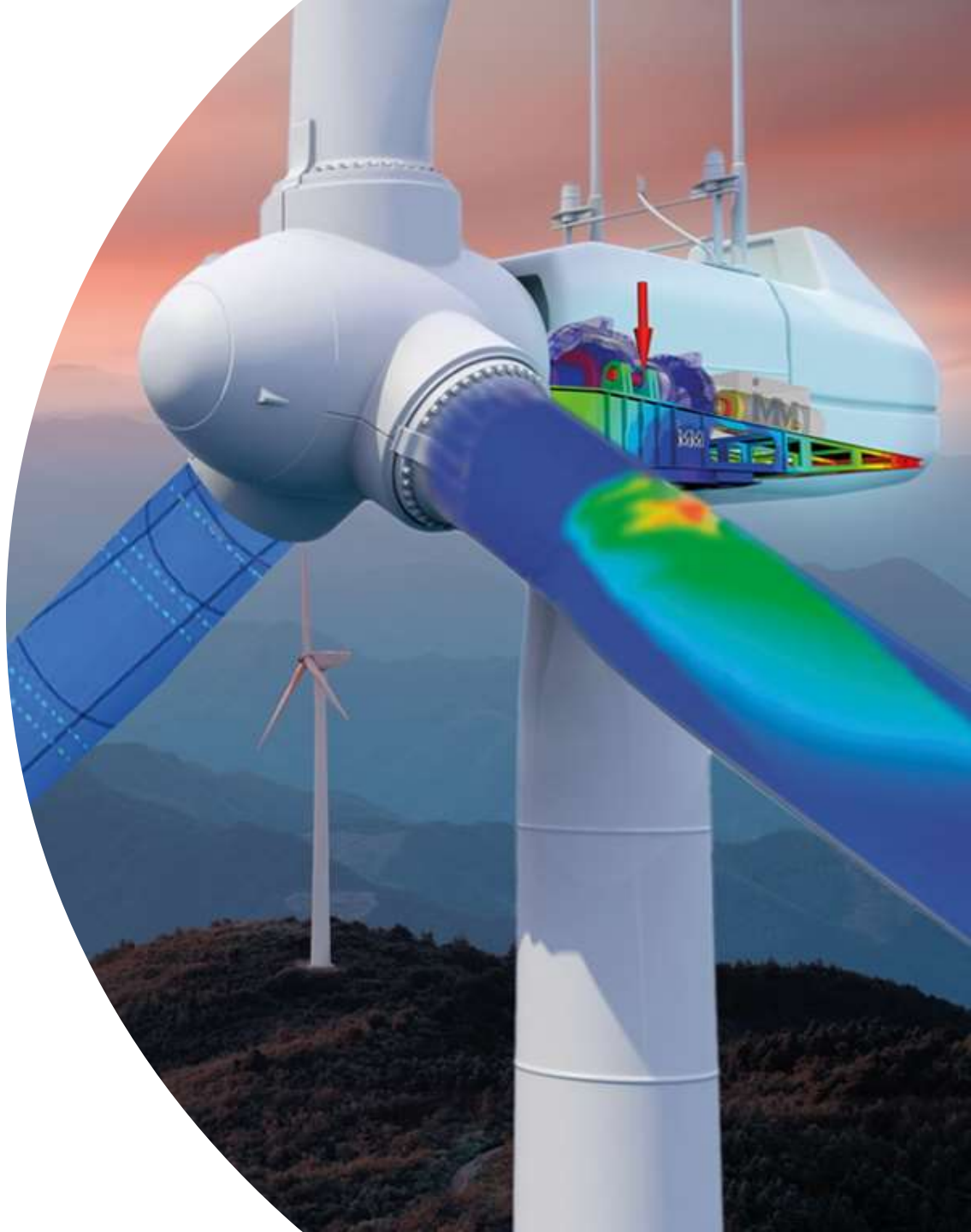
KEITIMŲ ATSEKIAMUMAS NUO UŽKLAUSOS IKI REALIZAVIMO

SOLIDWORKS
Standard
Professional
Premium

Power'By
3DEXPERIENCE
SOLIDWORKS
Standard
Professional
Premium

3DEXPERIENCE
SOLIDWORKS
Standard
Professional
Premium

VIRTUALUS TESTAVIMAS



3DEXPERIENCE® sprendimų tiekėjas Lietuvoje
SOLIDWORKS Palaikymo ir mokymo centras Lietuvoje

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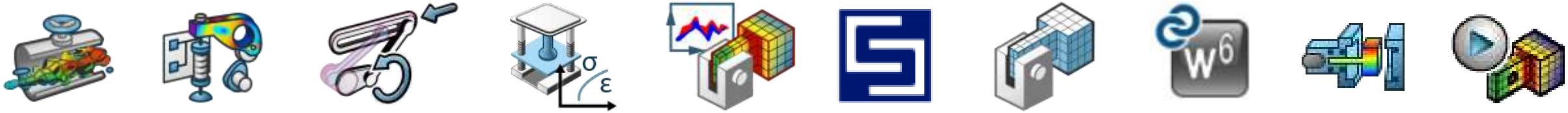
ABAQUS TOSCA STRUCTURE fe-safe XFlow COMPUTATIONAL FLUID DYNAMICS SIM PACK CST Studio Suite



Multi-fizika ir mokslas

Multi-masteliai

Funkcijos

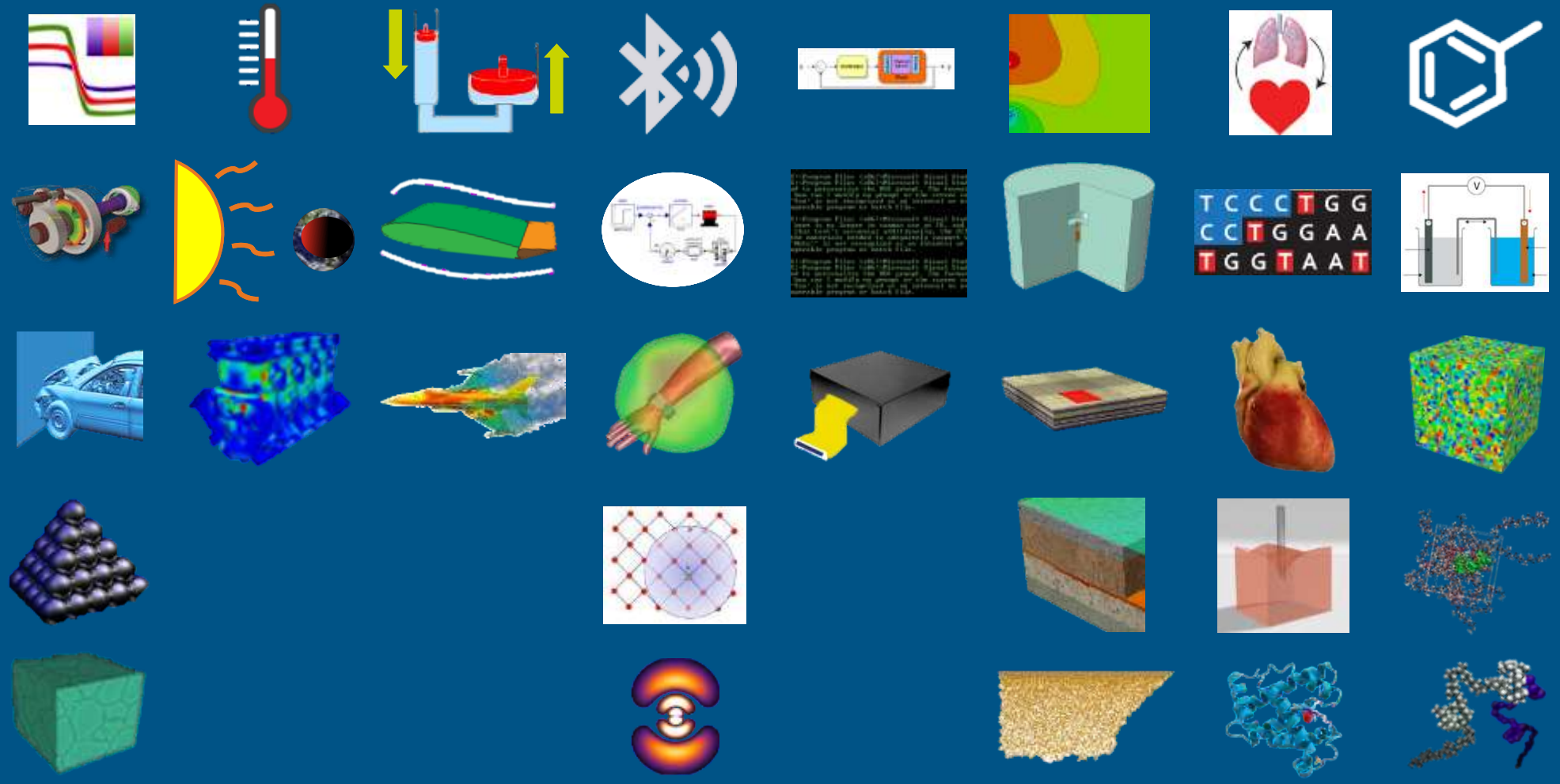
Logika

Fizika
(Makromasteliai,
kontinuumo fizika)

Medžiagų
mokslas

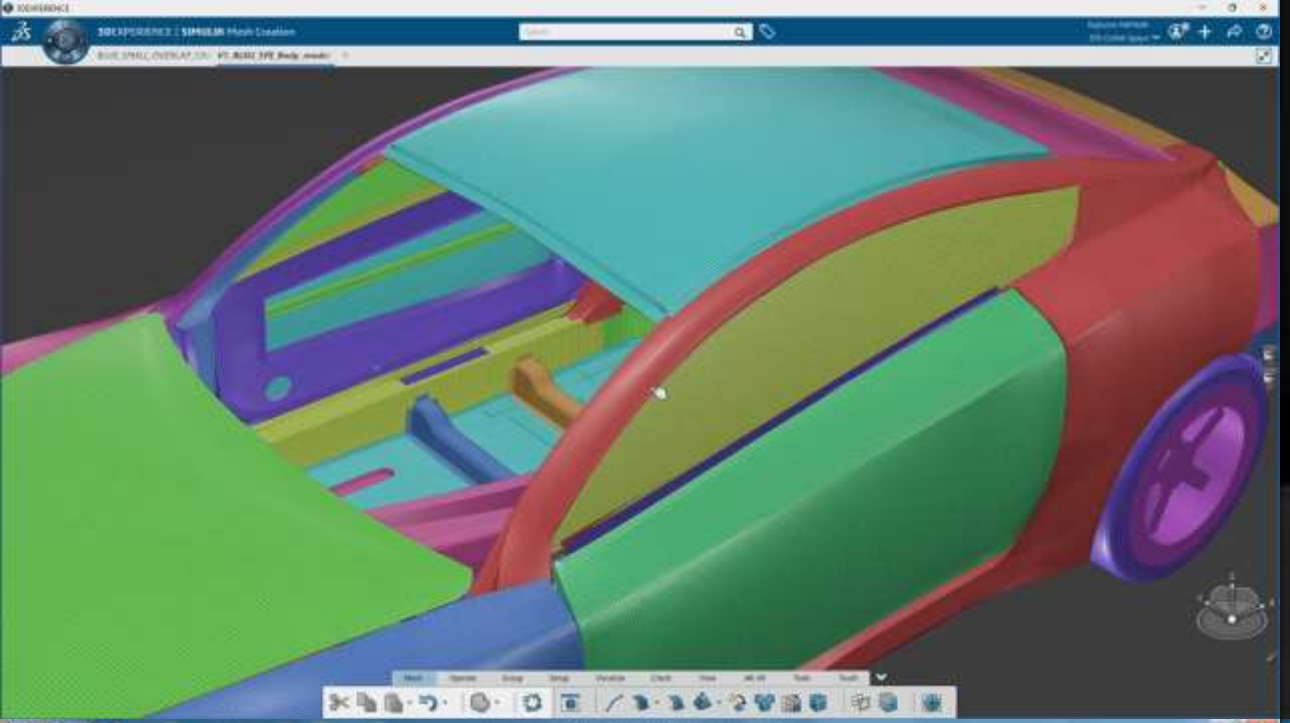
Fizika
(micromasteliai,,
kvantine fizika)

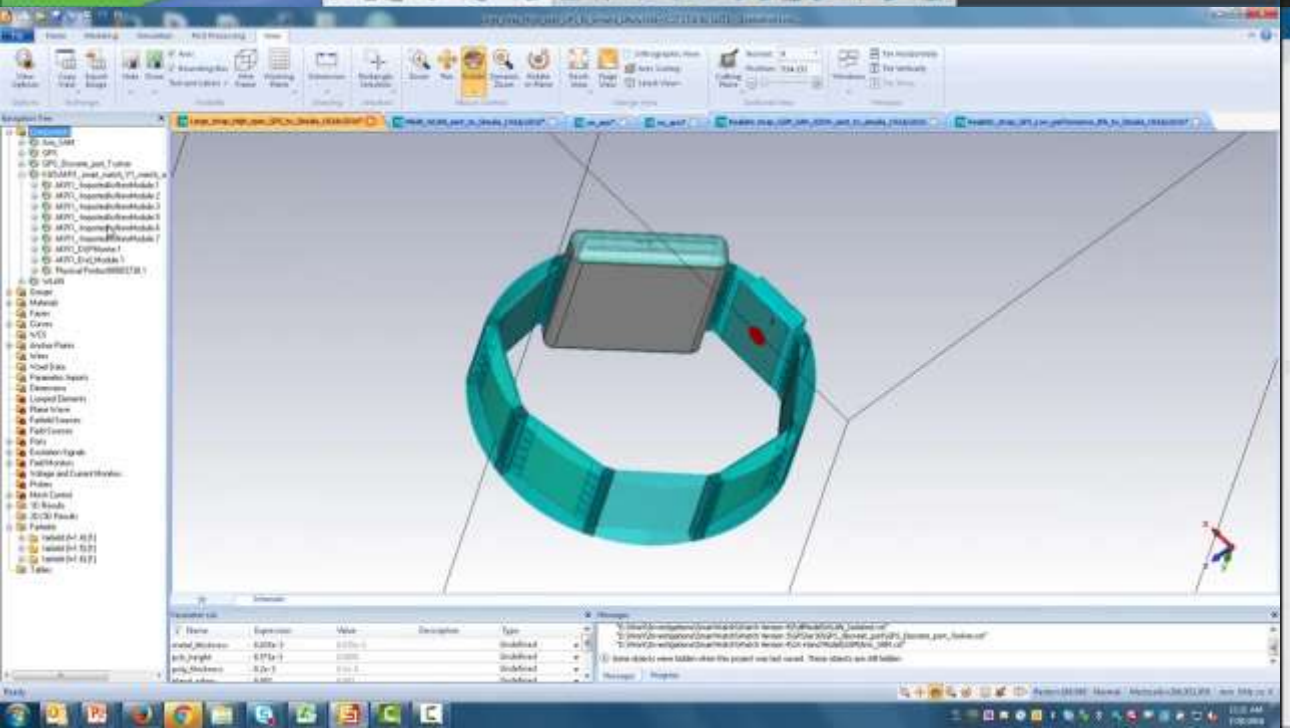
Patvarumas	Šiluma	Srautai	Elektromagnetika	Algoritmai	Geofizika	Biologija	Chemija

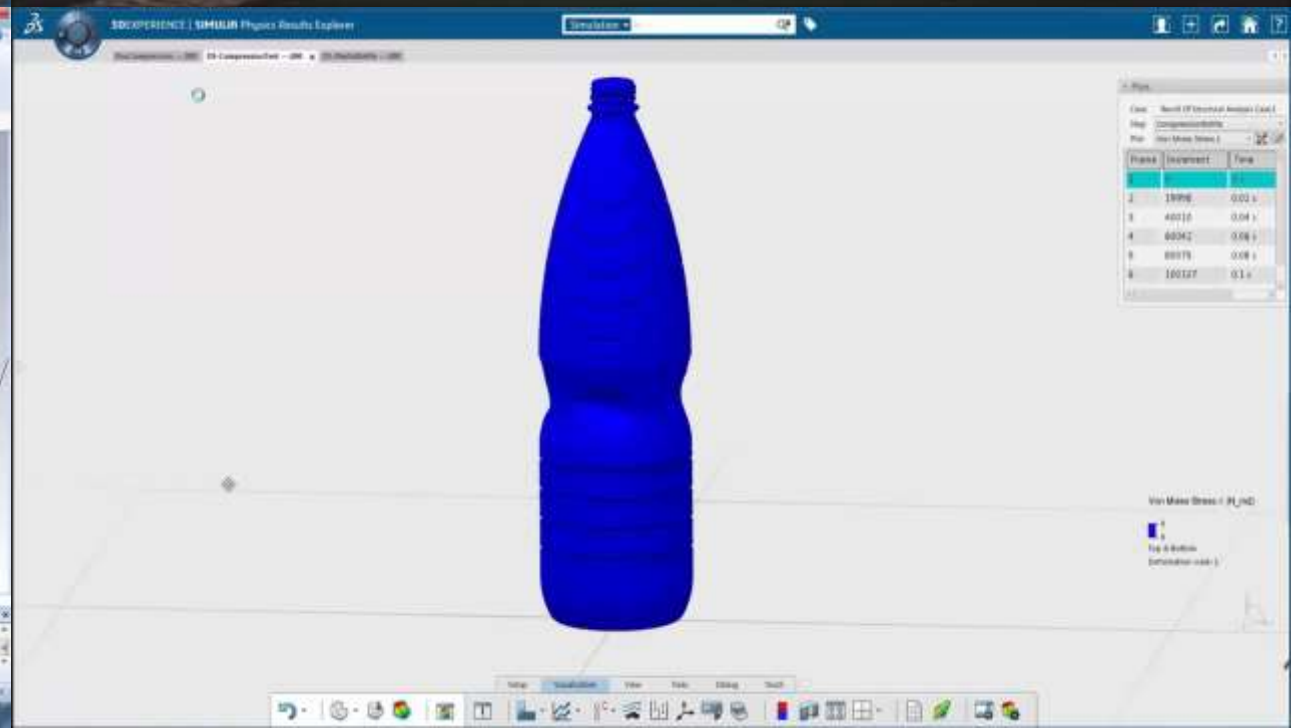


SIMULIA

DASSAULT SYSTEMES


3DEXPERIENCE | SIMULIA Mesh Creation

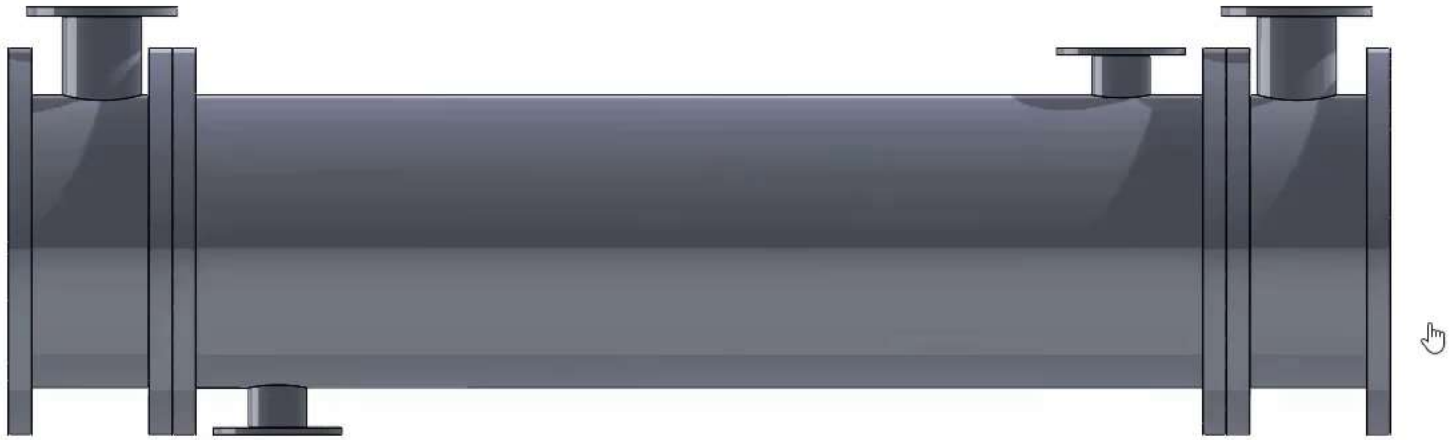



3DEXPERIENCE | SIMULIA Physics Results Explorer

SOLIDWORKS Connected File Edit View Insert Tools Window HX_Model.SLDASM * Heat Exchanger

Sketch | Smart Dimension | Trim Entities | Convert Entities | Offset Entities | Offset On Surface | Mirror Entities | Linear Sketch Pattern | Move Entities | Display/Delete Relations | Repair Sketch | Quick Snaps | Rapid Sketch | Instant2D | Shaded Sketch Contours

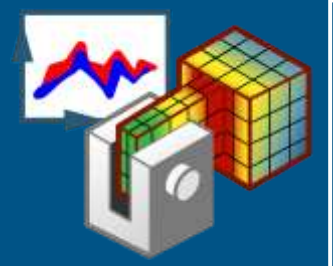
Assembly | Sketch | Markup | Evaluate | SOLIDWORKS Add-Ins



*Front

Model | Motion Study 1

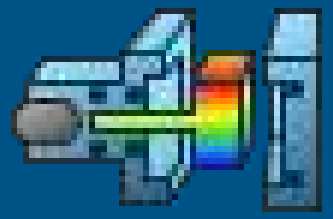
SOLIDWORKS Connected Premium Fully Defined Editing Assembly MMGS



STRUCTURAL MECHANICS & DURABYLITY ENGINEER

ELECTROMAGNETICS ENGINEER

FLUIDS DYNAMICS ENGINEER



PLASTIC INJECTION ENGINEER

Wireless
3Dconnexion

DIENOTVARKE

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- Diskusijos, klausimai