Tips voor een topdag
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Connect 2024

Welkom!

3DEXPERIENCE

PRESENTATION BY FRANCESCO OORTHUIZEN AND RICHARD KATERBERG

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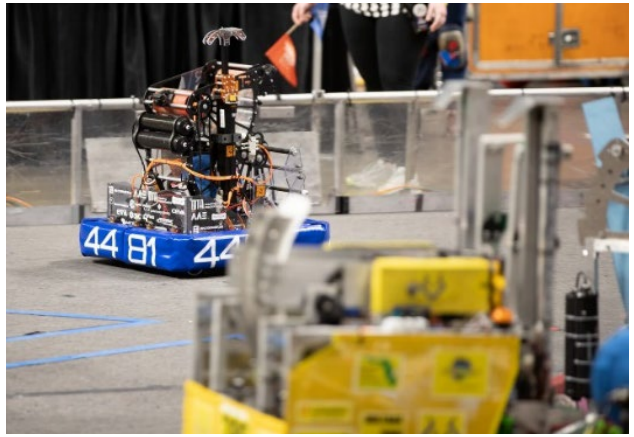
Francesco OORTHUIZEN

3DEXPERIENCE WORKS Technical Partner Manager Benelux

Francesco.OORTHUIZEN@3ds.com

- 2022 until now 3DEXPERIENCE Technical Partner Manager Benelux @ DASSAULT
- 2020 until 2022 SOLIDWORKS Specialist @ Van der Hoeven Horticulture
- 2016 until now First Robotics CAD- Mentor @ 4481 Team Rembrandts
- 2011 until 2020 AE engineer / consultant @CADMES (VAR)

- SOLIDWORKS Champion since 2020
- SOLIDWORKS Elite Application Engineer since 2015
- SOLIDWORKS CSWE since 2012
- SOLIDWORKS Certified trainer since 2013



3DEXPERIENCE® Works

DASSAULT SYSTEMES

Introduction

–

- Richard Katerberg
- Aerospace engineer
- 39 Years of experience
- Catia & 3DEXP user and specialist
- Consultant @ Visiativ Benelux

Explain the platform from different point of views

–

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What is the 3DEXPERIENCE PLATFORM

–

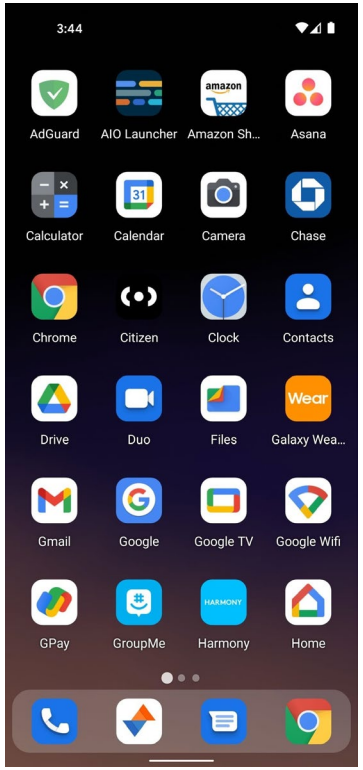
DASSAULT
SYSTEMES

What is the 3DEXPERIENCE Platform

–

What is the 3DEXPERIENCE Platform

– Operating system / business platform



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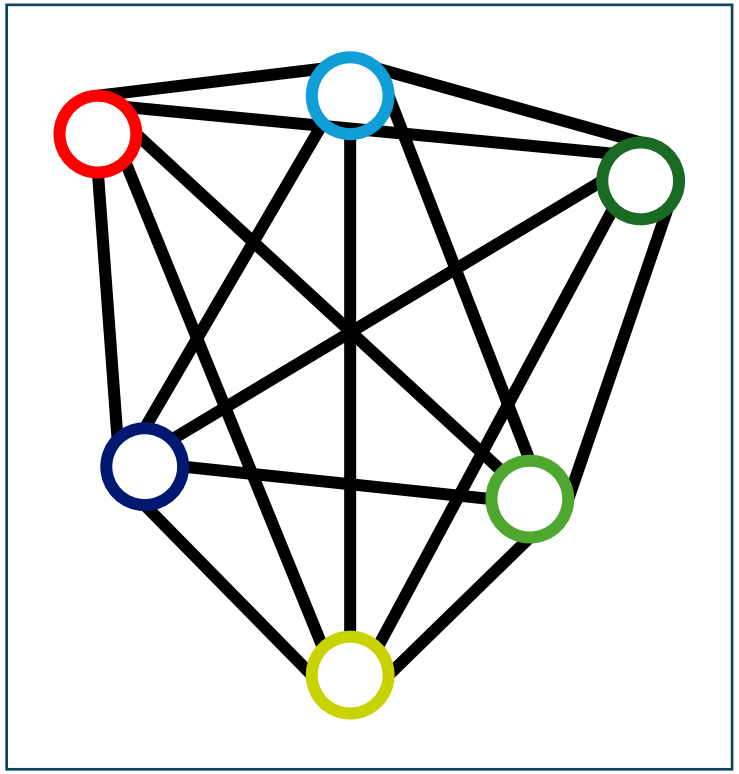
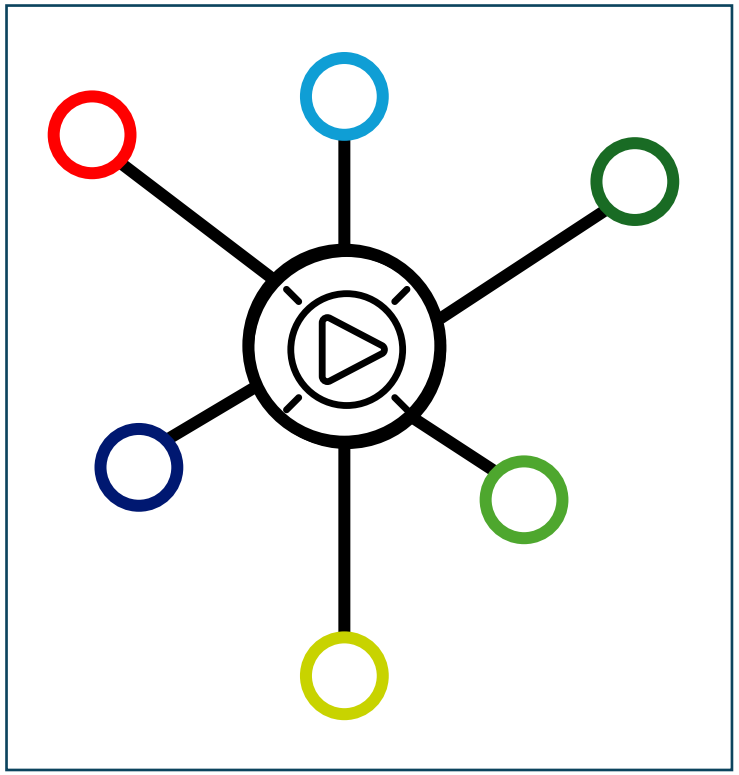
digital continuity

Connecting the dots

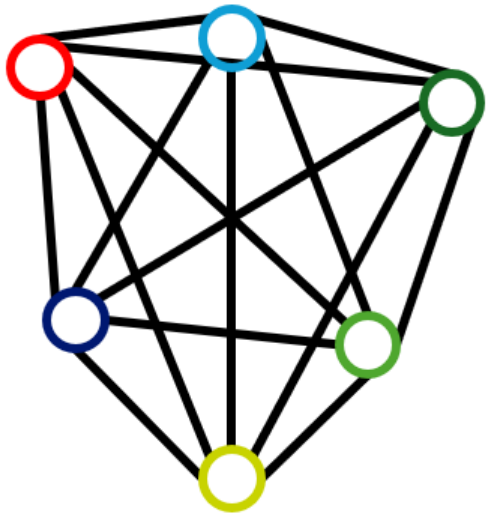
–

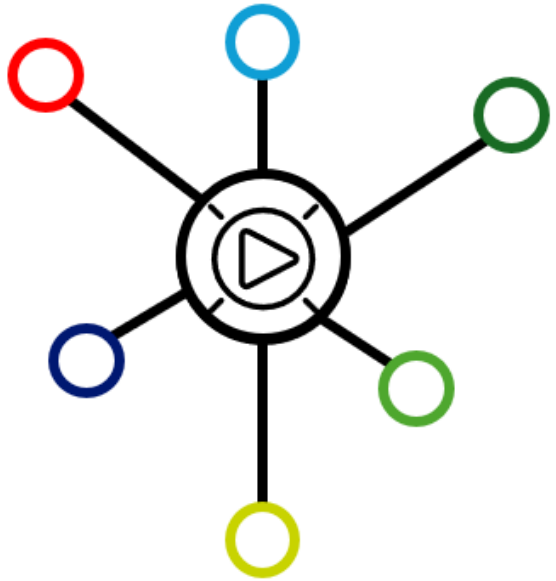




Removing Silos

–





Mechanical Engineering

Manuf. Engineering

Marketing & Sales

Design

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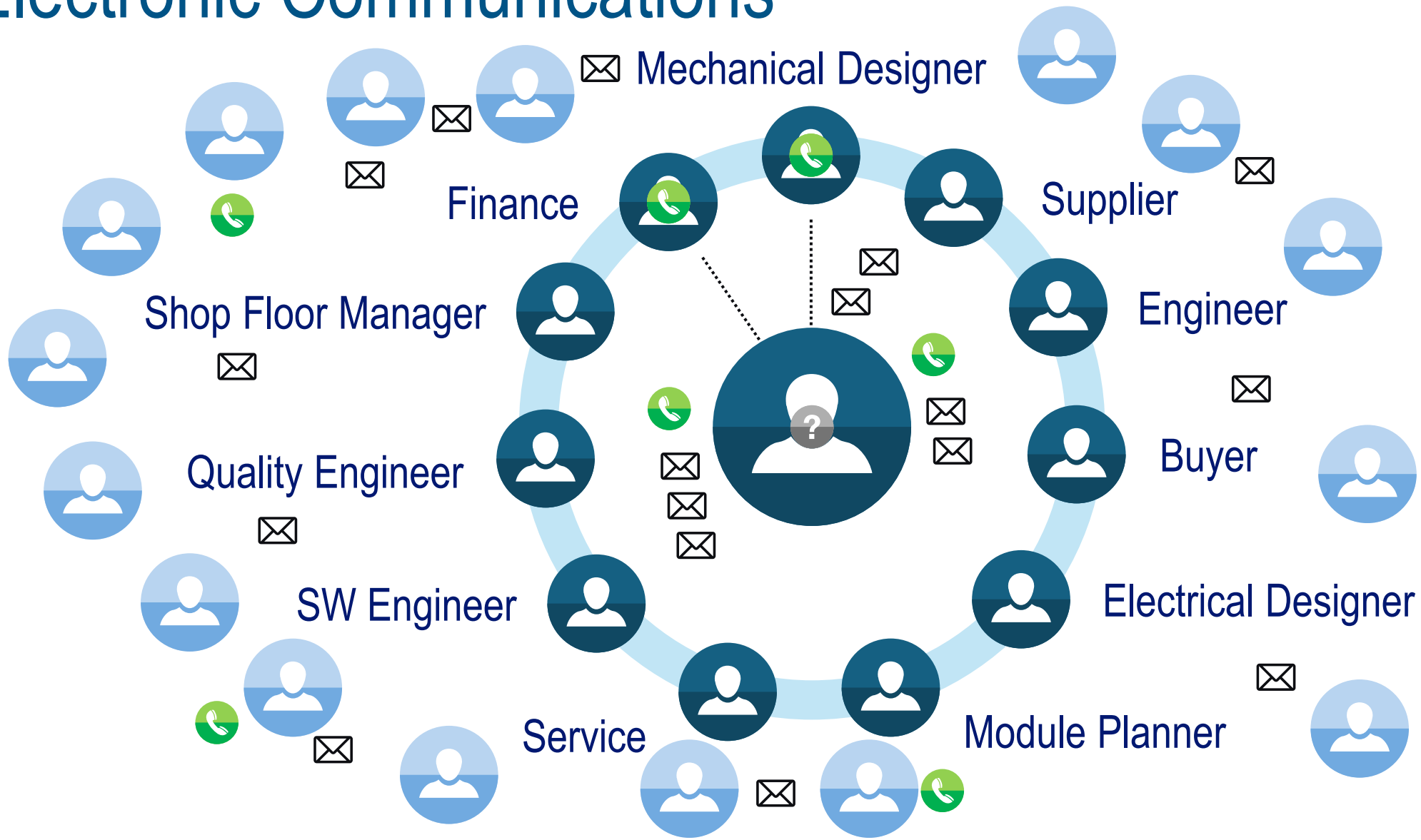
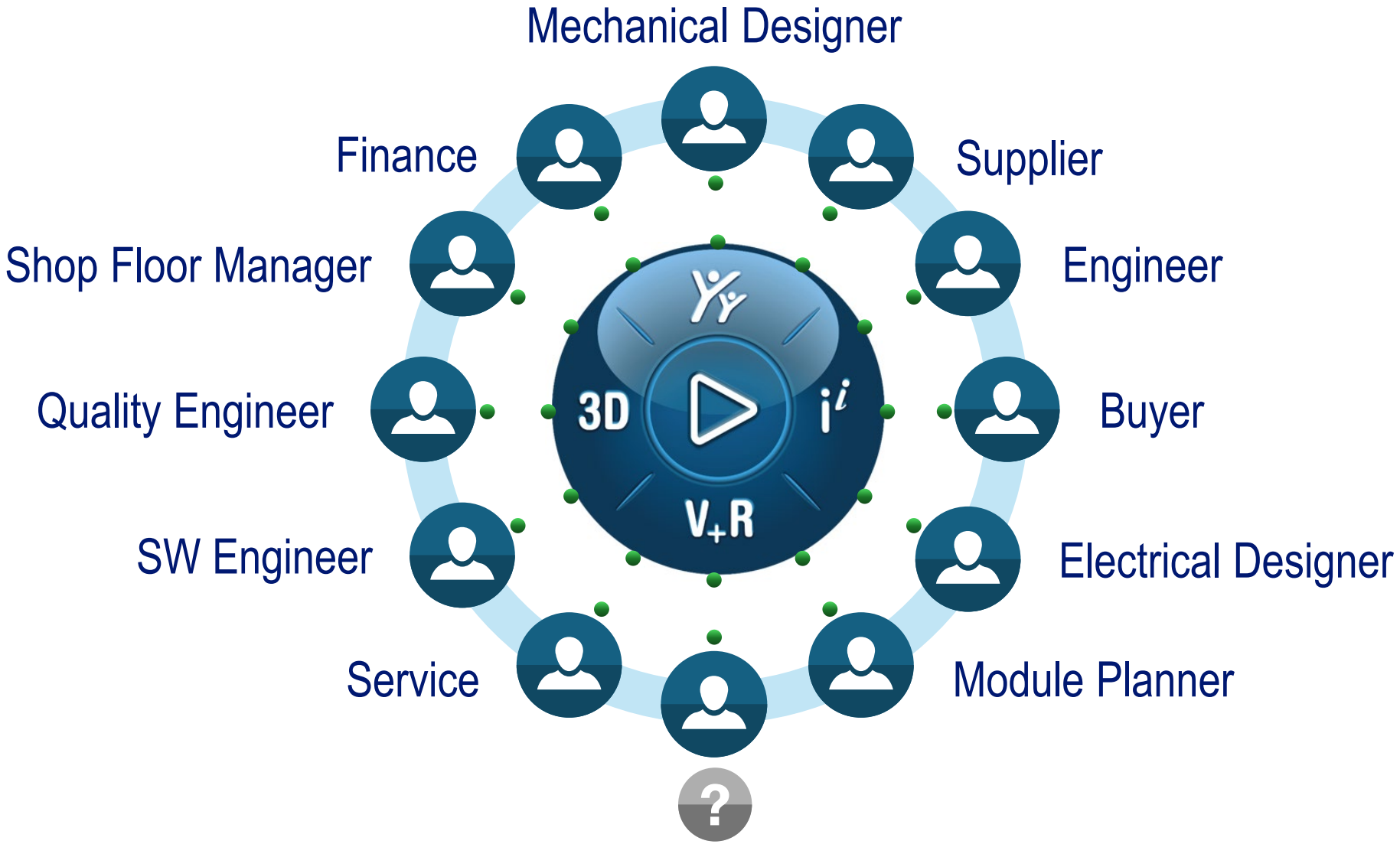
Electronic Communications



Digital Communications



Dassault Systemes 3DEXPERIENCE platform

–

Brands

Platform

Dassault Systemes 3DEXPERIENCE platform

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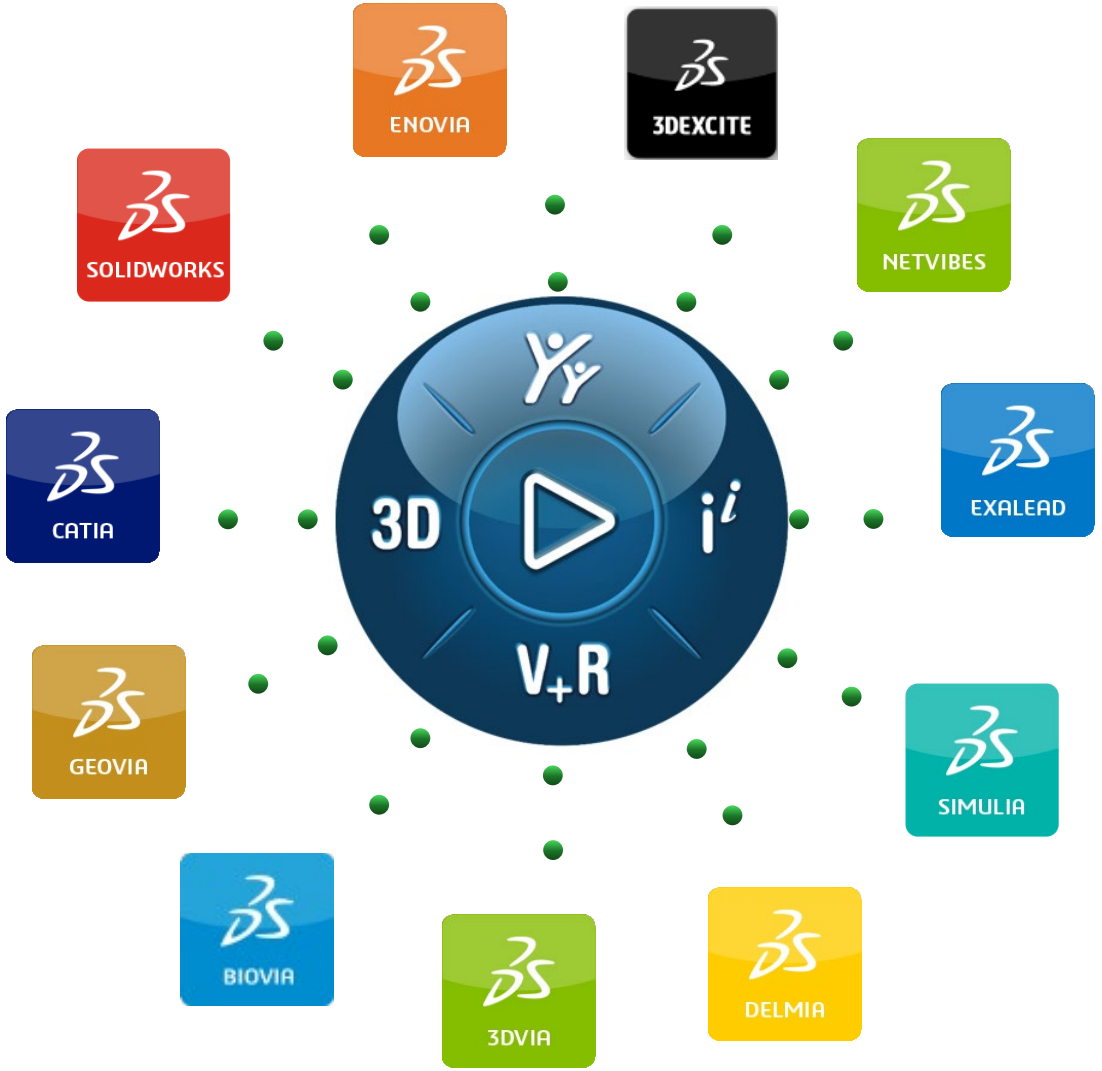
AUTODESK® INVENTOR®

SIEMENS NX

creo®

Office

PDM's
ERP
...



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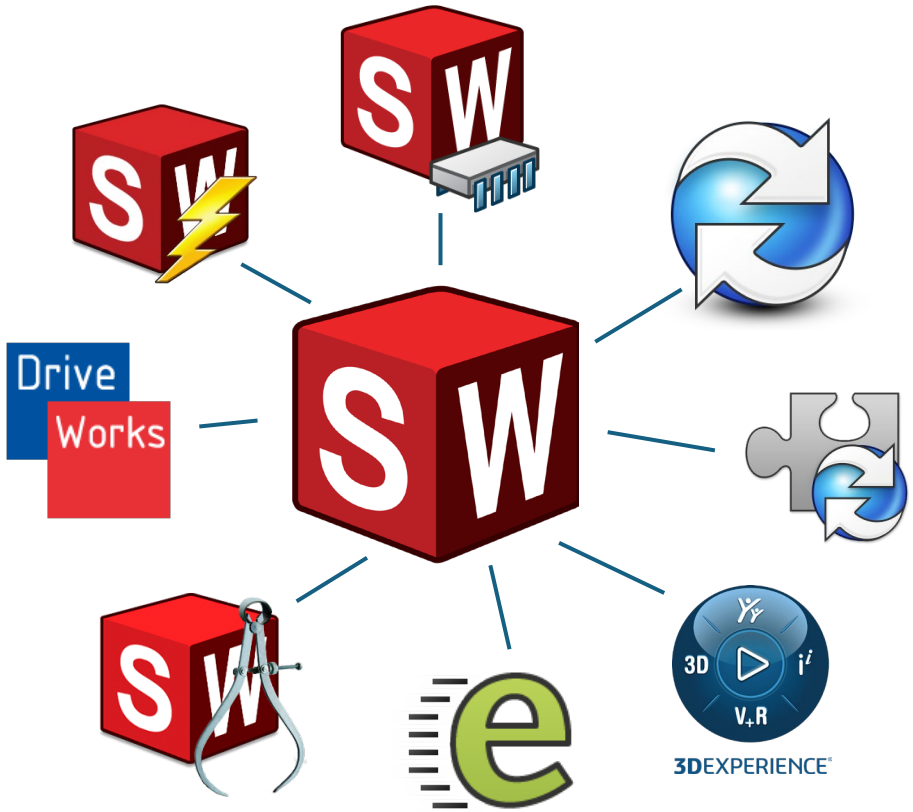
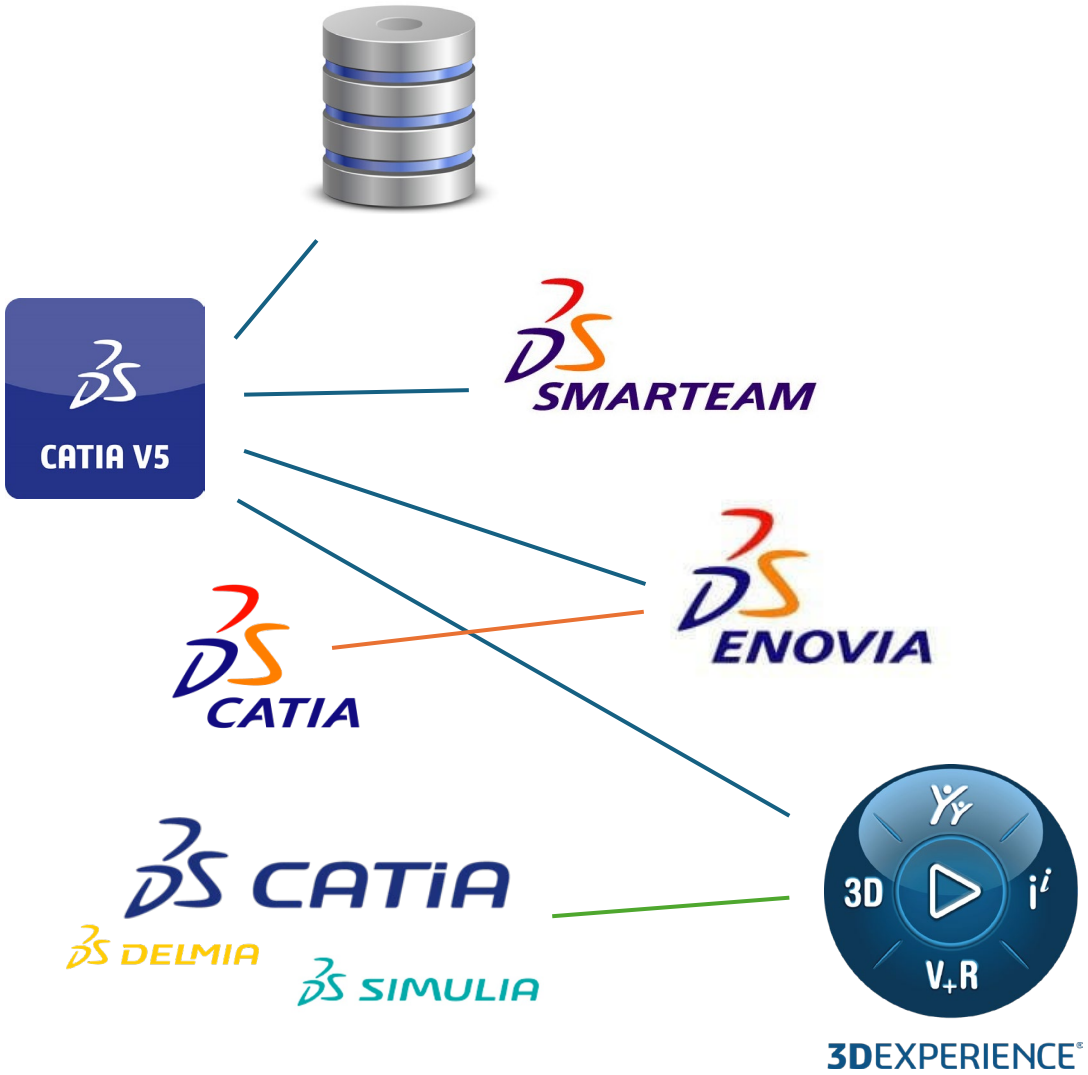
Current situation @ companies

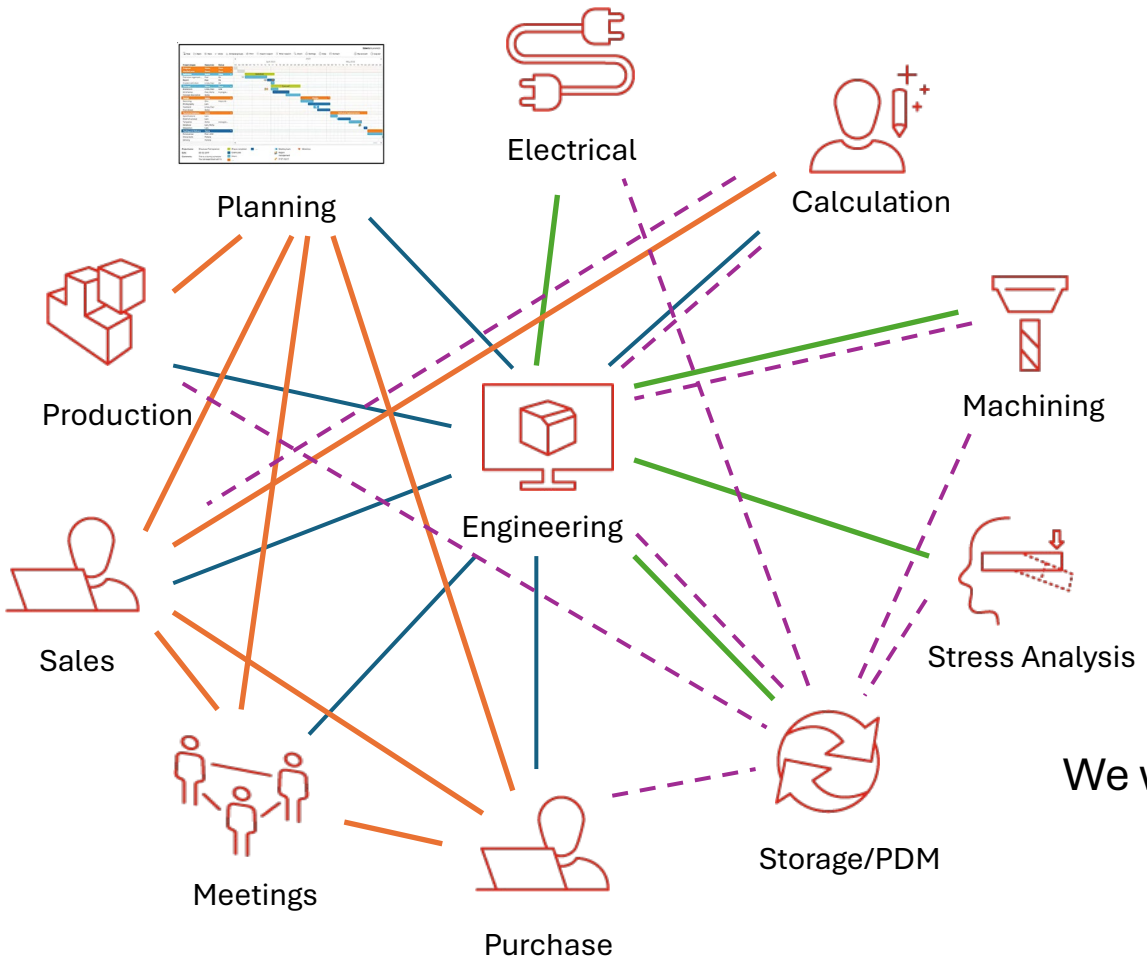
–

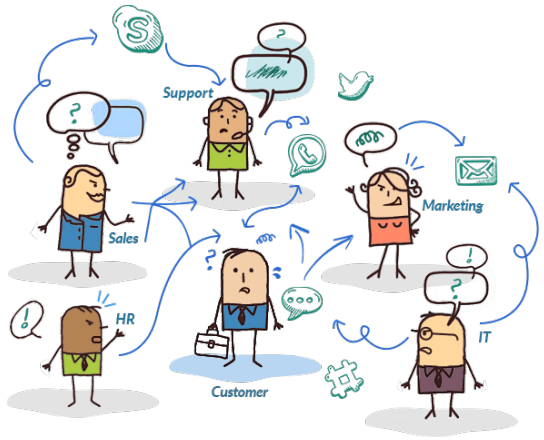




Processes in a company, just an example

–





How do we streamline the processes in our company …

How can we reduce hard and software

We need more talking about the CLOUD …

Where do we store our documentation, NC programs, drawings and offers …

We would like to do as much as possible in 1 system …

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3DExperience platform

–

3Dspace | Documents app | Issue management | Approvals | Routes

Collaborative industry innovator

DMS/PDM/PLM/ Review

3DSWYMER

Basis access to 3DExperience platform

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3DExperience platform

–

Basic platform access

DMS/PDM/PLM/ Review

Basis access to 3DExperience platform

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3DExperience platform

–

3DEXPERIENCE®

Cloud services

3DEXPERIENCE Connector to Catia and Solidworks

DMS/PDM/PLM/ Review

Basis access to 3DExperience platform

3DExperience platform

–

BOM management

Structure editor

Change management

Bom management & Change management

Cloud services

3DEXPERIENCE Connector to Catia and Solidworks

DMS/PDM/PLM/ Review

Basis access to 3DExperience platform

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Cloud services – 3 Easy steps

–

Cloud services

- 3DEXPERIENCE Connector to Catia and Solidworks
- DMS/PDM/PLM/ Review
- Basis access to 3DExperience platform

Store and Revise

Share and Markup

Manage and Control

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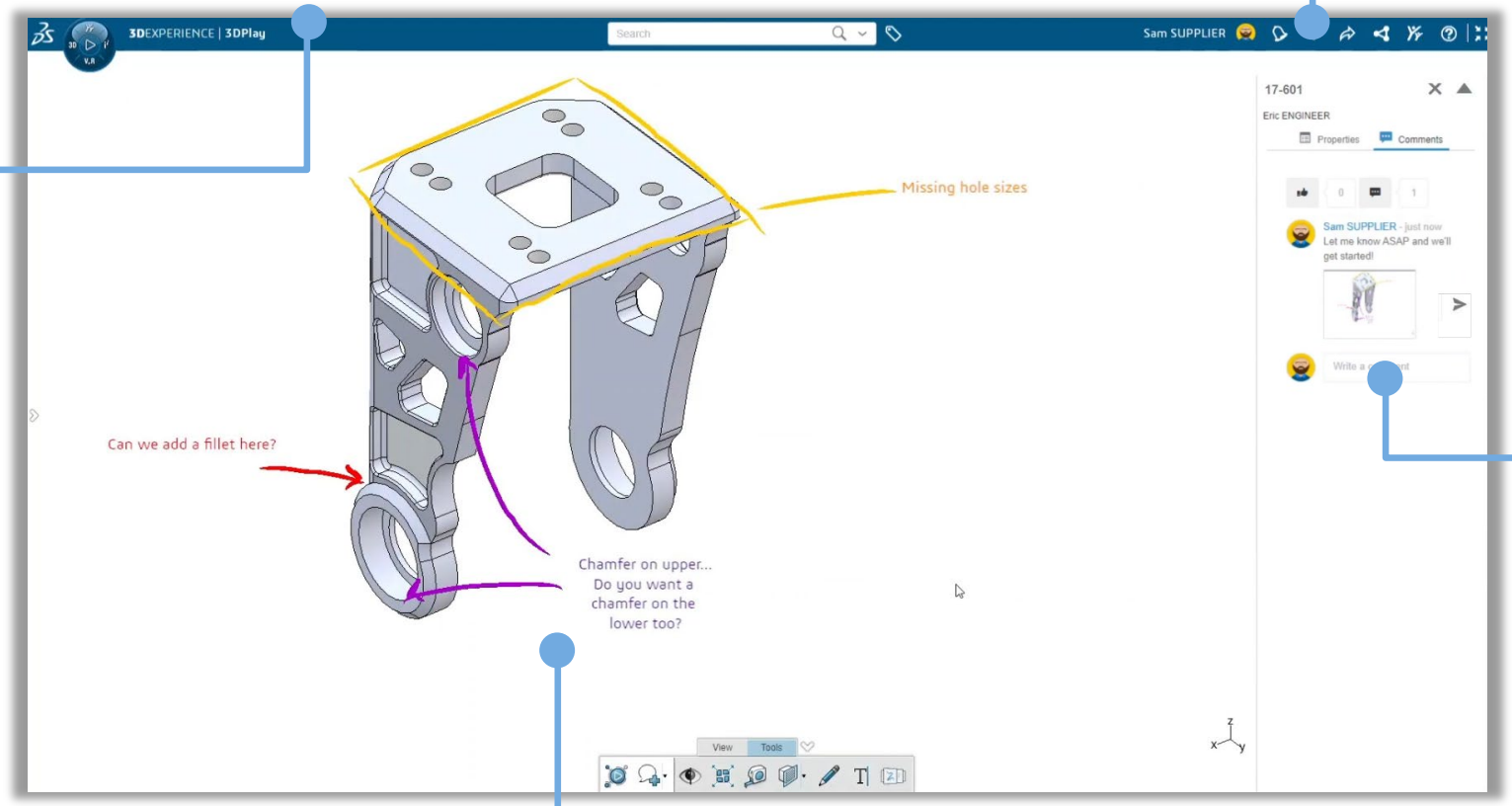
Share and Markup

View in a browser, No need to download special viewers



Share a secure link. Never lose control of your data.

Share comments and collaborate on your design. Get immediate feedback from those you trust.

Create mark ups directly on the 3D model to capture ideas and communicate changes.

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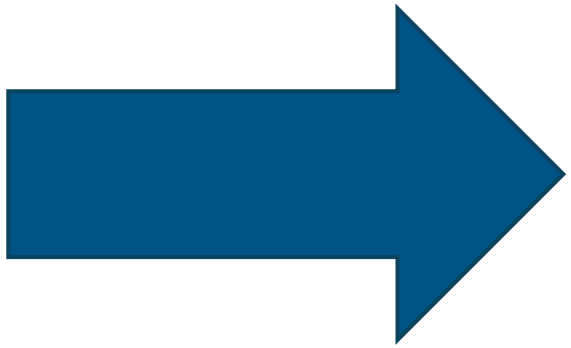
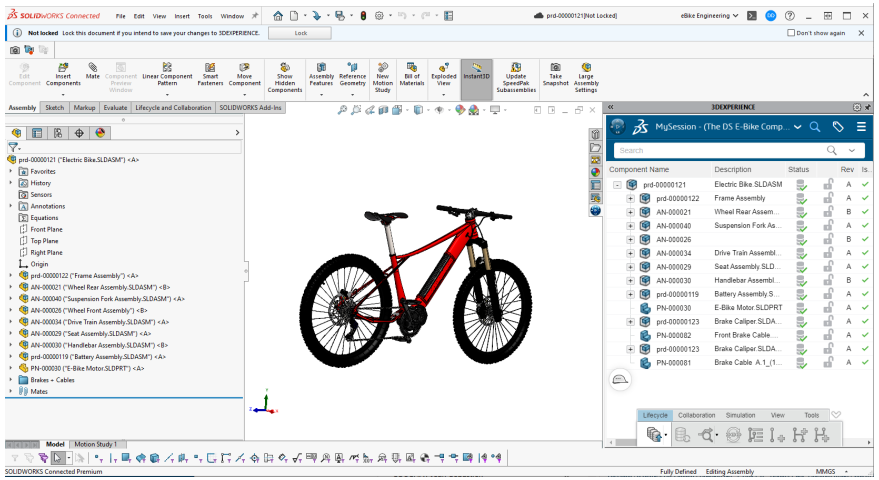
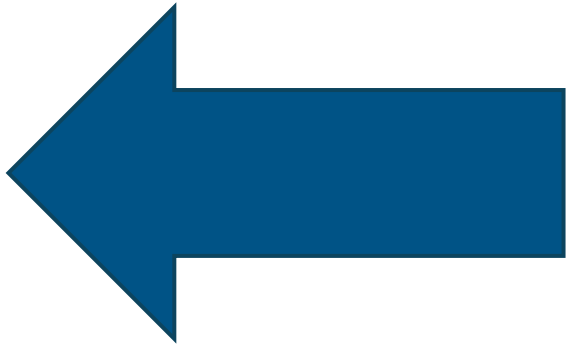
Share and Markup use case

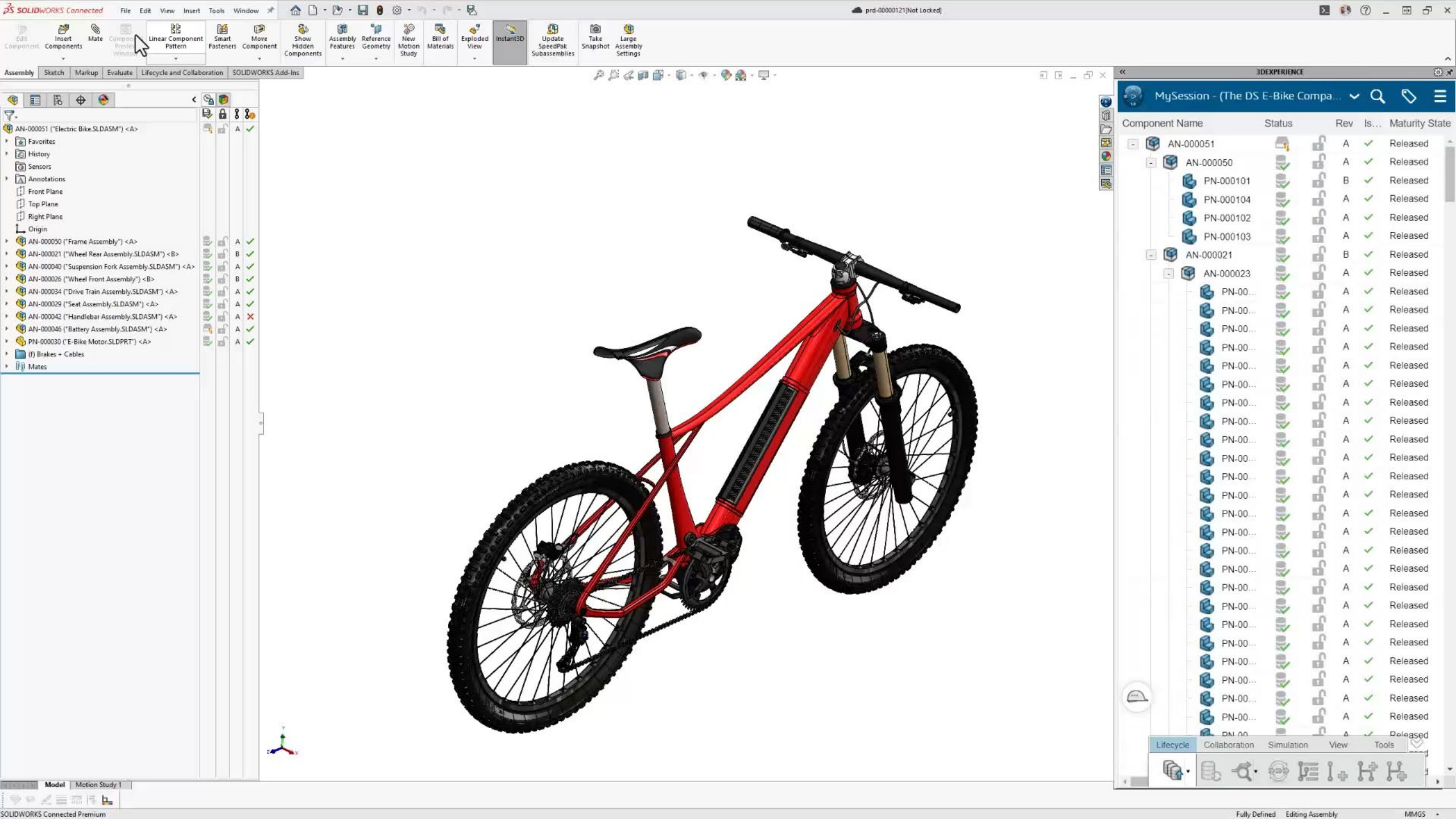
Dan DESIGNER



Charlie Client






SOLIDWORKS Connected
File Edit View Insert Tools Window
prd-00000121[Not Locked]
Edit Component
Insert Components
Mate
Component Preview Window
Linear Component Pattern
Smart Fasteners
Move Component
Show Hidden Components
Assembly Features
Reference Geometry
New Motion Study
Bill of Materials
Exploded View
Instant3D
Update SpeedPak Subassemblies
Take Snapshot
Large Assembly Settings
Assembly
Sketch
Markup
Evaluate
Lifecycle and Collaboration
SOLIDWORKS Add-Ins
AN-000051 ("Electric Bike.SLDASM") <A>
Favorites
History
Sensors
Annotations
Front Plane
Top Plane
Right Plane
Origin
AN-000050 ("Frame Assembly") <A>
AN-000021 ("Wheel Rear Assembly.SLDASM") <B>
AN-000040 ("Suspension Fork Assembly.SLDASM") <A>
AN-000026 ("Wheel Front Assembly") <B>
AN-000034 ("Drive Train Assembly.SLDASM") <A>
AN-000029 ("Seat Assembly.SLDASM") <A>
AN-000042 ("Handlebar Assembly.SLDASM") <A>
AN-000046 ("Battery Assembly.SLDASM") <A>
PN-000030 ("E-Bike Motor.SLDPRT") <A>
(f) Brakes + Cables
Mates
Model
Motion Study 1
3DEXPERIENCE
MySession - (The DS E-Bike Compa...
Component Name
Status
Rev
Is...
Maturity State
AN-000051 A Released
AN-000050 A Released
PN-000101 B Released
PN-000104 A Released
PN-000102 A Released
PN-000103 A Released
AN-000021 B Released
AN-000023 A Released
Lifecycle
Collaboration
Simulation
View
Tools
SOLIDWORKS Connected Premium
Fully Defined
Editing Assembly
MMGS

Dispostable - Message "Dan De

dispostable.com/inbox/Charlie.Client/2324473664

Dispostable

Charlie.Client's inbox > "Dan Designer shared prd-00000121.3dxml with you. "

Message "Dan Designer shared prd-00000121.3dxml with you. "

From: "3DEXPERIENCE platform [The DS E-Bike Company]" <noreply@3dexperience.3ds.com>

Back to inbox | Download EML | Delete message

Click here if you trust the sender and want to see original message.

3DEXPERIENCE platform

Someone shares some content with me

Dear User ,

Dan Designer shared **prd-00000121.3dxml** with you.
Click here to see more.
Important note: You can only accept this invitation by logging in with the email address to which this email was sent.

Best Regards,
Dassault Systèmes

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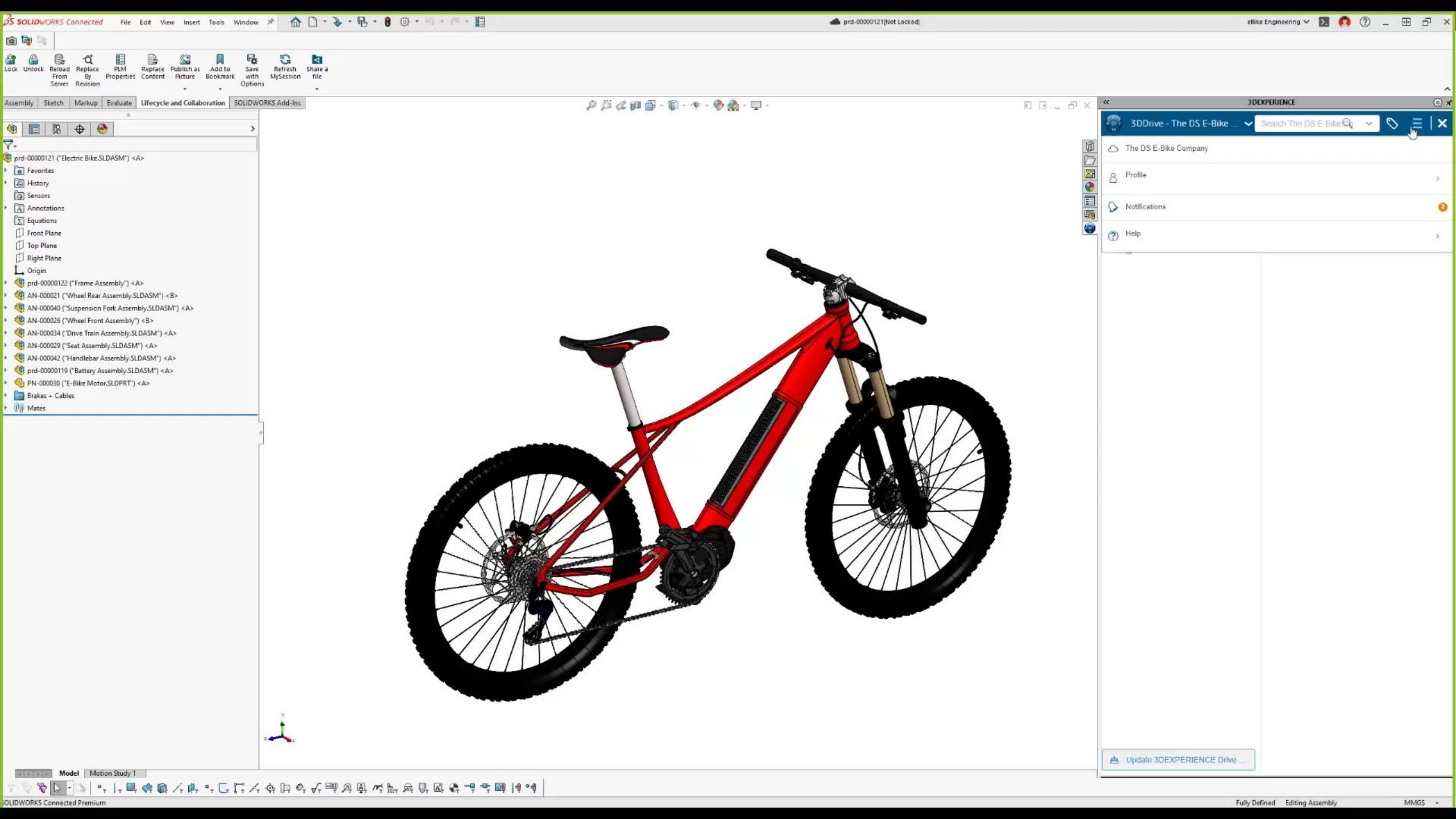
SOLIDWORKS Connected
File Edit View Insert Tools Window
prd-00000121[Not Locked]
eBike Engineering
Lock Unlock Reload From Server Replace By Revision PLM Properties Replace Content Publish as Picture Add to Bookmark Save with Options Refresh MySession Share a file
Assembly Sketch Markup Evaluate Lifecycle and Collaboration SOLIDWORKS Add-Ins
prd-00000121 ("Electric Bike.SLDASM") <A>
Favorites
History
Sensors
Annotations
Equations
Front Plane
Top Plane
Right Plane
Origin
prd-00000122 ("Frame Assembly") <A>
AN-000021 ("Wheel Rear Assembly.SLDASM") <B>
AN-000040 ("Suspension Fork Assembly.SLDASM") <A>
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AN-000034 ("Drive Train Assembly.SLDASM") <A>
AN-000029 ("Seat Assembly.SLDASM") <A>
AN-000042 ("Handlebar Assembly.SLDASM") <A>
prd-00000119 ("Battery Assembly.SLDASM") <A>
PN-000030 ("E-Bike Motor.SLDPRT") <A>
Brakes + Cables
Mates
3DEXPERIENCE
3DDrive - The DS E-Bike ...
Search The DS E-Bike
The DS E-Bike Company
Profile
Notifications
Help
Update 3DEXPERIENCE Drive ...
Model Motion Study 1
SOLIDWORKS Connected Premium
Fully Defined Editing Assembly MMGS

Share and Markup Benefits

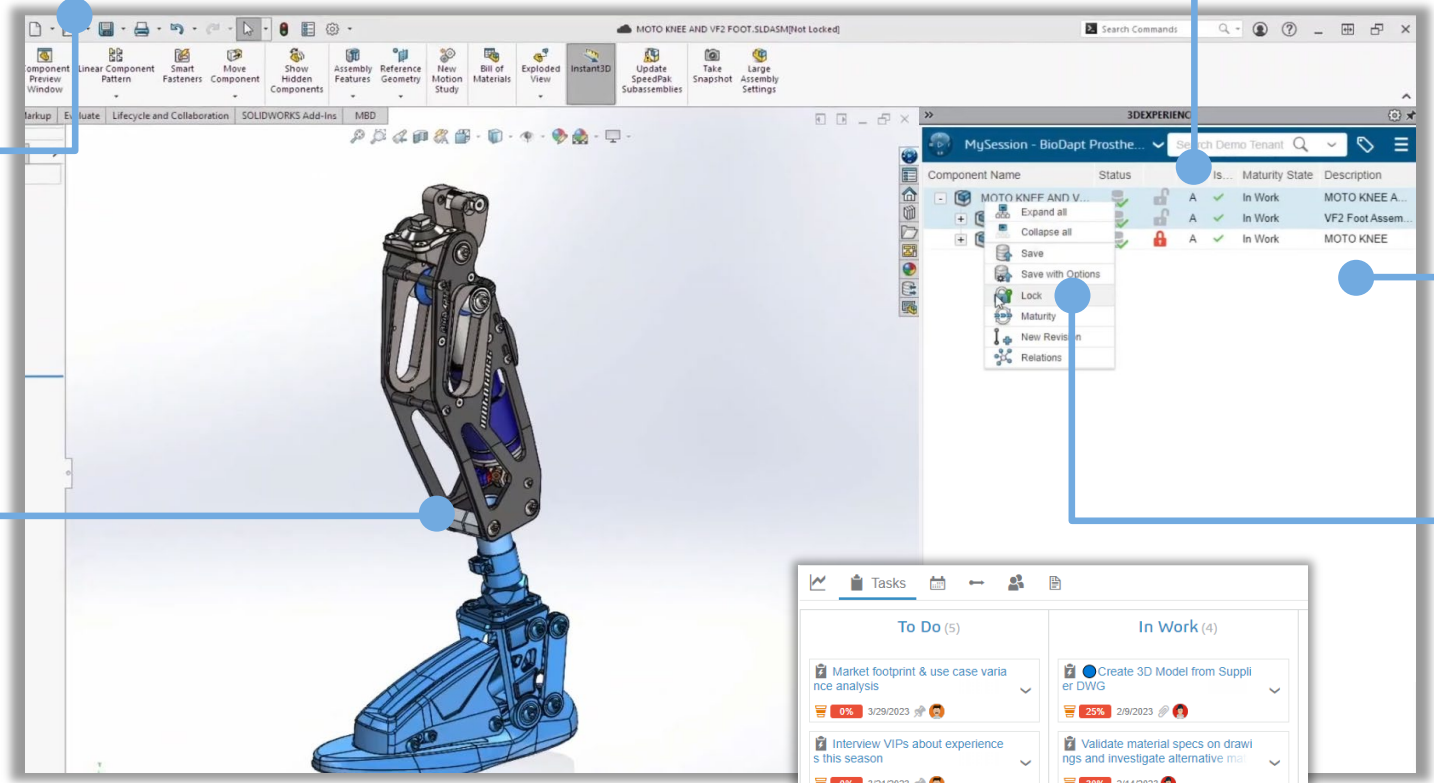
—

- Share secure links from SOLIDWORKS and never lose control of your data
- Create markups directly on the 3D model in a browser - no install or license needed
- Get immediate feedback to keep your project moving
- Recipient needs **NO** license and **NO** software

Store and Revise

Save your data to the cloud right from SOLIDWORKS

Online storage that's purpose-built with CAD relationships and collaboration in mind.

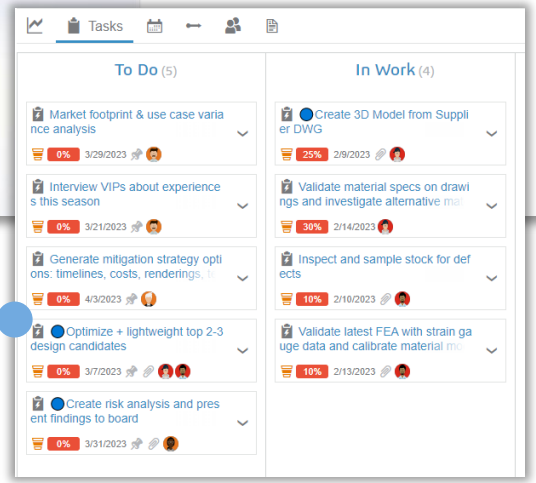


Bump revision with a simple right click

Your data is organized, References are managed, custom properties are captured

Need to work with other designers? No problem, simply lock the design to ensure no one else overwrites your work.

Add designs to a task and assign it for follow-up



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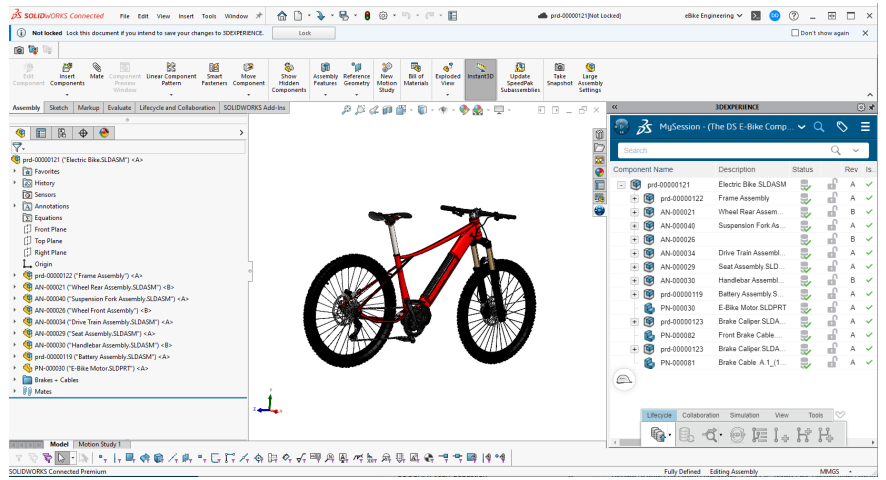
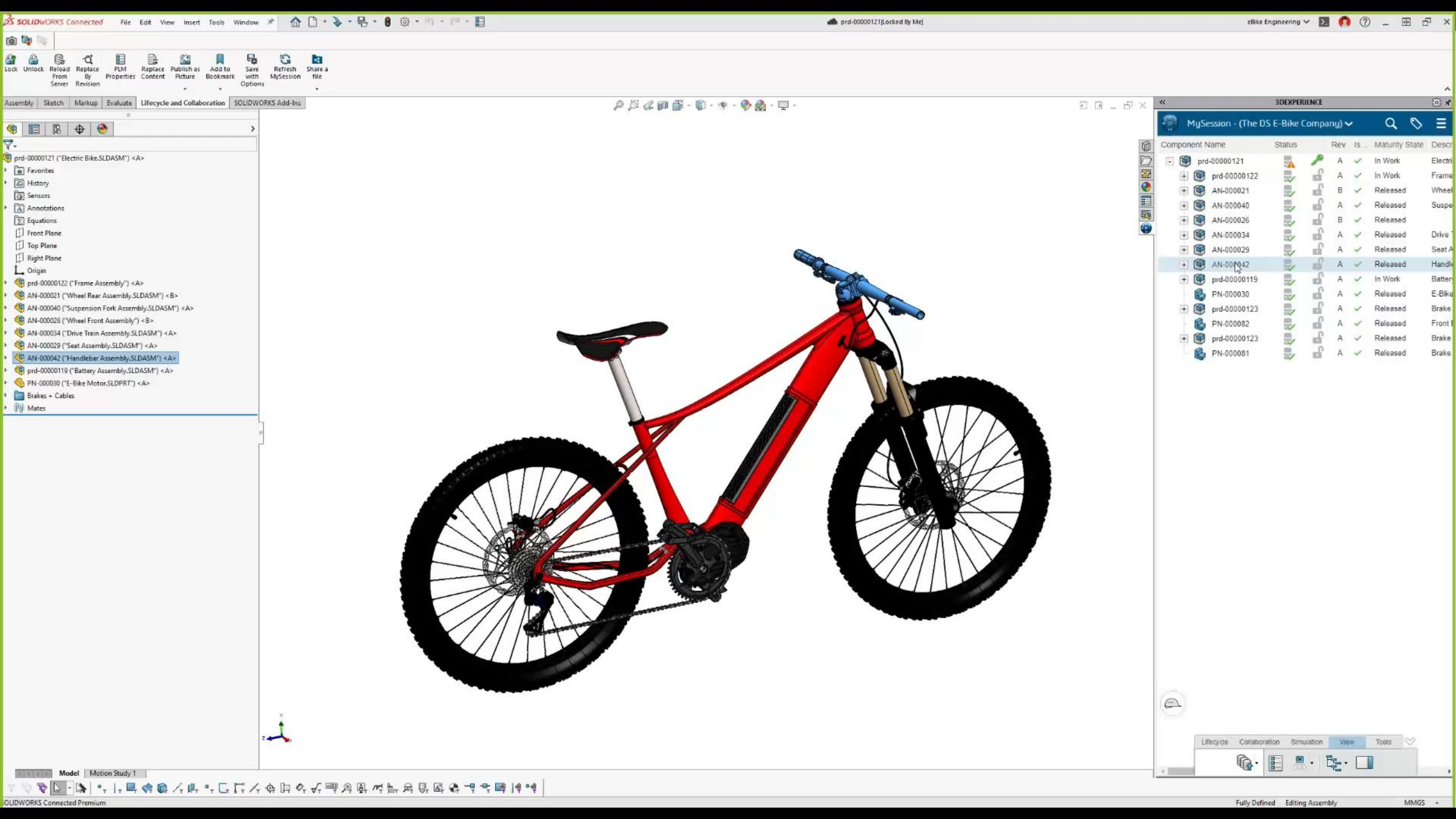
Store & revise

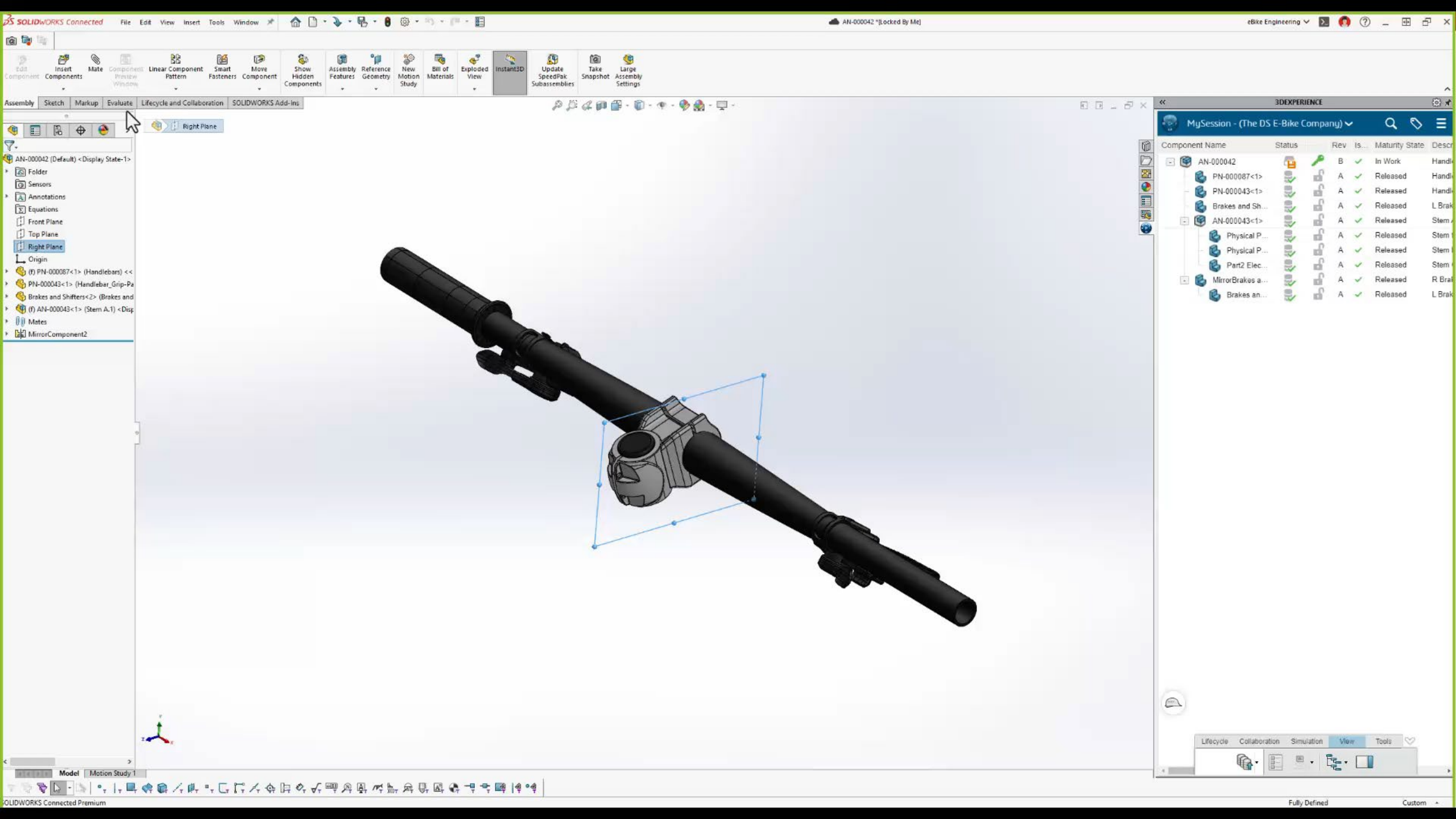
–

Charlie Client

Dan DESIGNER



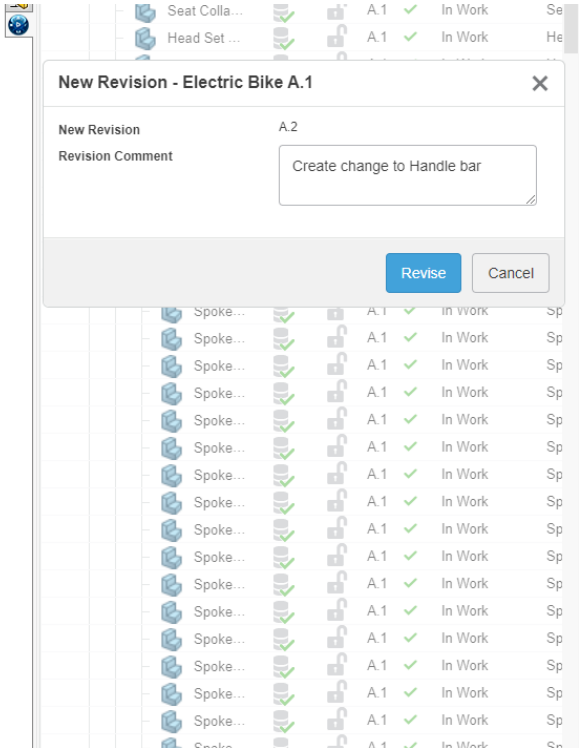

SOLIDWORKS Connected
File Edit View Insert Tools Window
prd-00000121[Locked By Me]
eBike Engineering
Lock Unlock Reload From Server Replace By Revision PLM Properties Replace Content Publish as Picture Add to Bookmark Save with Options Refresh MySession Share a file
Assembly Sketch Markup Evaluate Lifecycle and Collaboration SOLIDWORKS Add-Ins
prd-00000121 ("Electric Bike.SLDASM") <A>
Favorites
History
Sensors
Annotations
Equations
Front Plane
Top Plane
Right Plane
Origin
prd-00000122 ("Frame Assembly") <A>
AN-000021 ("Wheel Rear Assembly.SLDASM") <B>
AN-000040 ("Suspension Fork Assembly.SLDASM") <A>
AN-000026 ("Wheel Front Assembly") <B>
AN-000034 ("Drive Train Assembly.SLDASM") <A>
AN-000029 ("Seat Assembly.SLDASM") <A>
AN-000042 ("Handlebar Assembly.SLDASM") <A>
prd-00000119 ("Battery Assembly.SLDASM") <A>
PN-000030 ("E-Bike Motor.SLDPRT") <A>
Brakes + Cables
Mates
3DEXPERIENCE
MySession - (The DS E-Bike Company)
Component Name Status Rev Is... Maturity State Descr
prd-00000121 A In Work Electri
prd-00000122 A In Work Frame
AN-000021 B Released Wheel
AN-000040 A Released Suspe
AN-000026 B Released
AN-000034 A Released Drive
AN-000029 A Released Seat A
AN-000042 A Released Handl
prd-00000119 A In Work Batter
PN-000030 A Released E-Bike
prd-00000123 A Released Brake
PN-000082 A Released Front
prd-00000123 A Released Brake
PN-000081 A Released Brake
Lifecycle Collaboration Simulation View Tools
Model Motion Study 1
SOLIDWORKS Connected Premium
Fully Defined Editing Assembly MMGS


SOLIDWORKS Connected
File Edit View Insert Tools Window
AN-000042 *[Locked By Me]
eBike Engineering
Edit Component
Insert Components
Mate
Component Preview Window
Linear Component Pattern
Smart Fasteners
Move Component
Show Hidden Components
Assembly Features
Reference Geometry
New Motion Study
Bill of Materials
Exploded View
Instant3D
Update SpeedPak Subassemblies
Take Snapshot
Large Assembly Settings
Assembly
Sketch
Markup
Evaluate
Lifecycle and Collaboration
SOLIDWORKS Add-Ins
Right Plane
AN-000042 (Default) <Display State-1>
Folder
Sensors
Annotations
Equations
Front Plane
Top Plane
Right Plane
Origin
(f) PN-000087<1> (Handlebars) <<
PN-000043<1> (Handlebar_Grip-Pa
Brakes and Shifters<2> (Brakes and
(f) AN-000043<1> (Stem A.1) <Disp
Mates
MirrorComponent2
3DEXPERIENCE
MySession - (The DS E-Bike Company)
Component Name
Status
Rev
Is...
Maturity State
AN-000042
B
In Work
PN-000087<1>
A
Released
PN-000043<1>
A
Released
Brakes and Sh...
A
Released
AN-000043<1>
A
Released
Physical P...
A
Released
Physical P...
A
Released
Part2 Elec...
A
Released
MirrorBrakes a...
A
Released
Brakes an...
A
Released
Lifecycle
Collaboration
Simulation
View
Tools
Model
Motion Study 1
SOLIDWORKS Connected Premium
Fully Defined
Custom

Store and Revise Benefits

–

- Save your data to the cloud right from SOLIDWORKS
- Online storage that's purpose-built with CAD in mind
- Capture changes with simple revision management
- Work concurrently with your team



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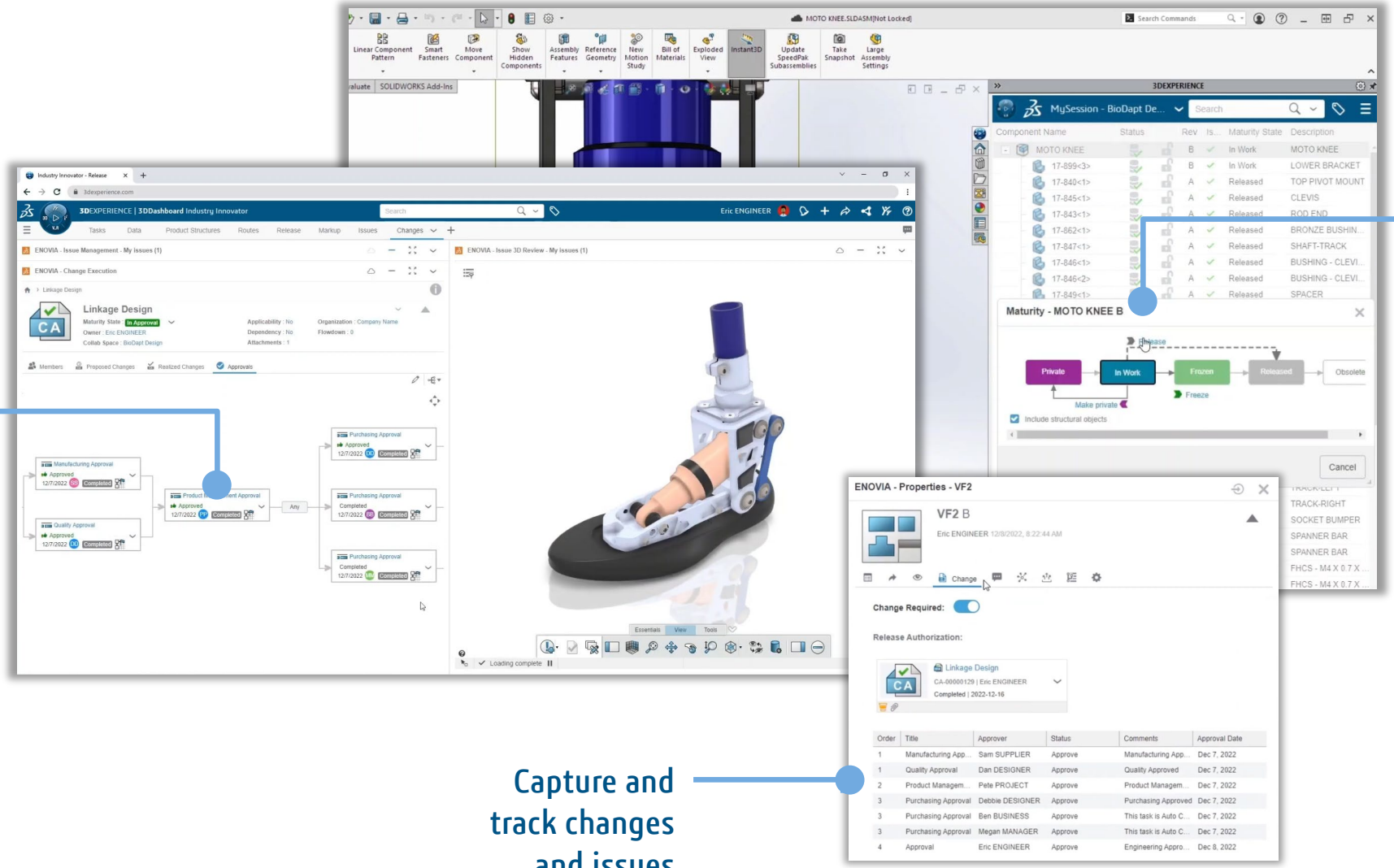
Manage and Control

Get the approvals needed and control the workflow through formal change actions



Easily release the design change to let the team know it is ready for production

Capture and track changes and issues

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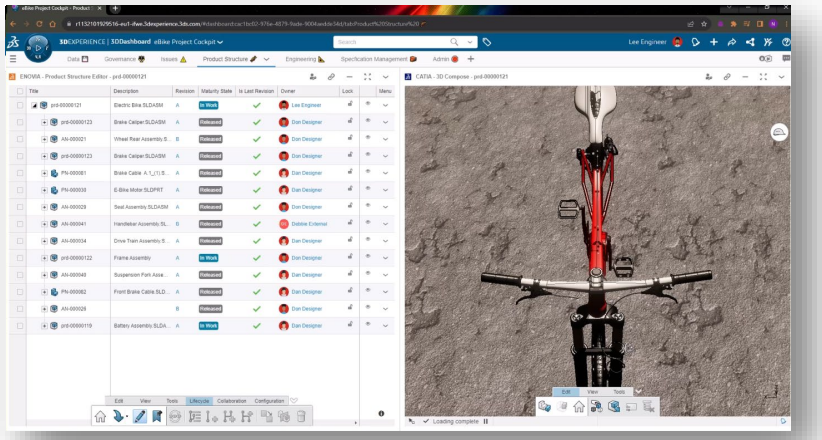
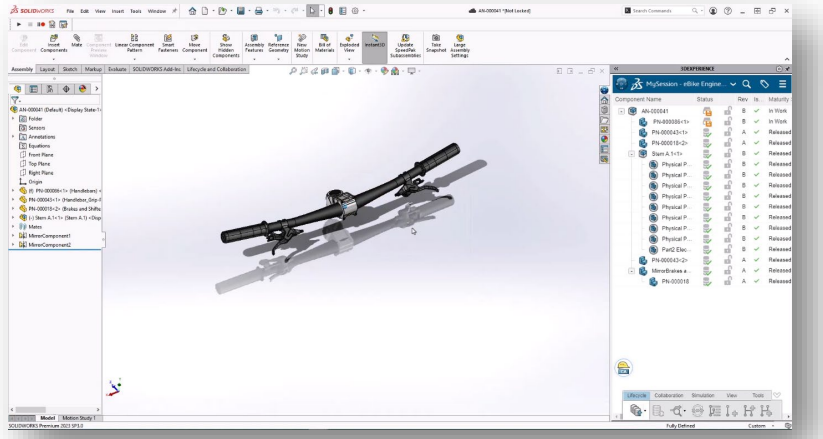
Manage & Control

Lee ENGINEER



Debbie External



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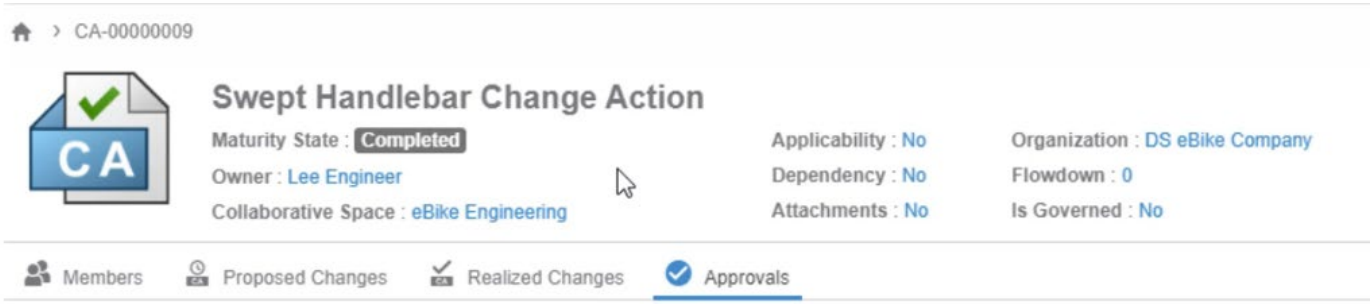
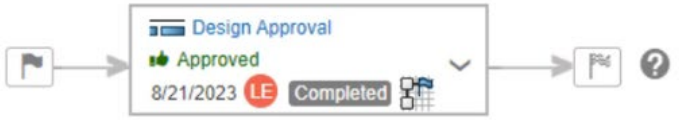
Manage & Control Benefits

–

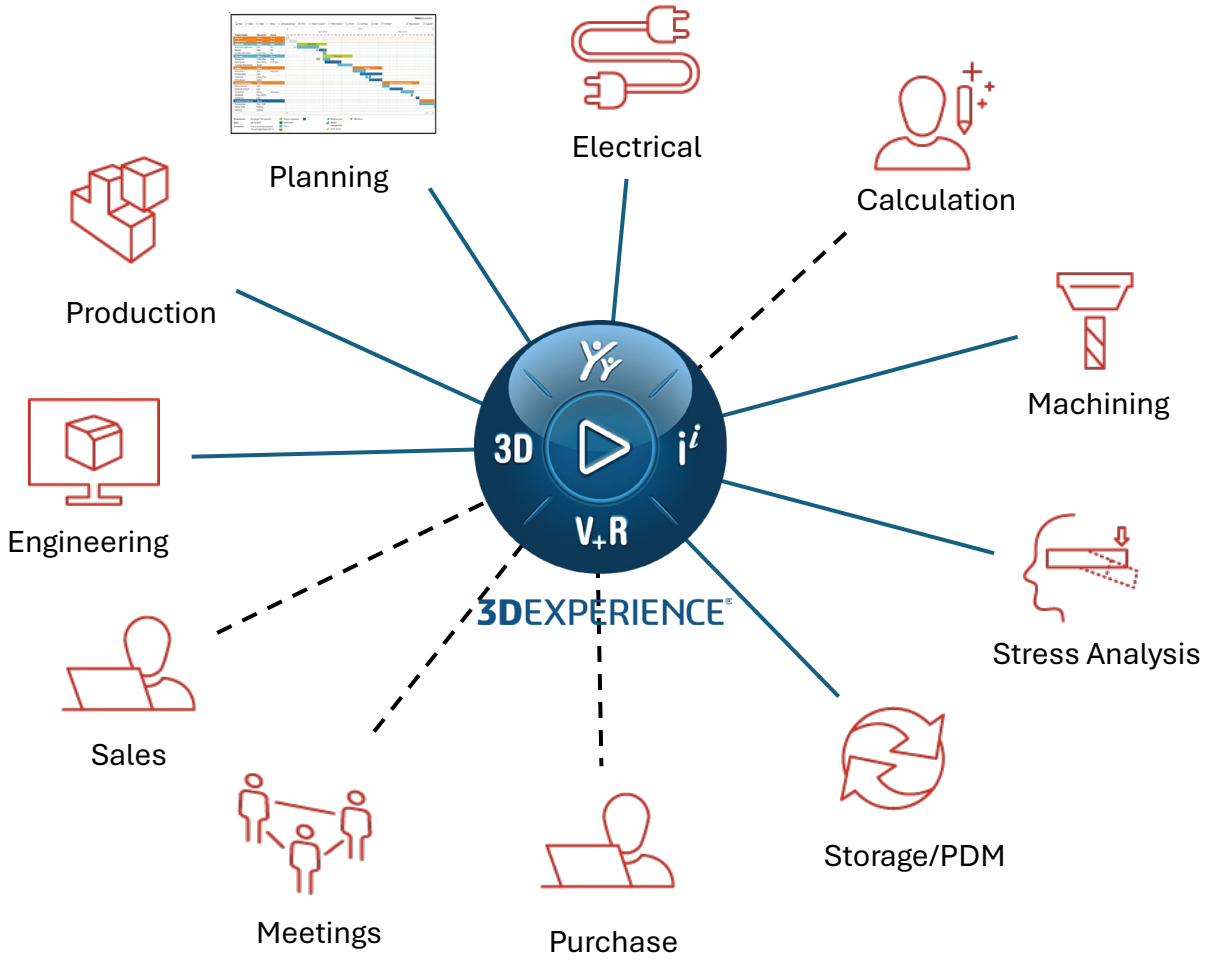
- Governance of your engineering processes
- Management and traceability of your IP
- Maintain the end to end digital thread of your products
- Secure collaboration with external help within your tenant





With 3DEXP

–



On cloud, no infrastructure and maintenance

Integrated in all 3DS brands

Standard Office integration

Office

Many applications .. 3D Annotation Insight, 3D Compose, Product Structure Editor

Connectors and convertors .. SOLIDWORKS Add-in, CATIA V5, Design with Altium Designer

SolidWorks & **Catia** and others, like … Altium, AutoCAD, Cadence, ControlBuild, Creo, Dymola, Inventor, NX, Solid Edge, STEP, ACIS, MicroStation, Parasolid, Revit …

PDM's

ERP

… and more

- Oracle
- SAP
- Microsoft
- Infor
- Netsuite
- IFS
- SYSPRO
- Rootstock
- Acumatica
- DELMAIworks

…

DASSAULT SYSTEMES

visiativ

Recap + Giveaway winner

15.10 – 15:30

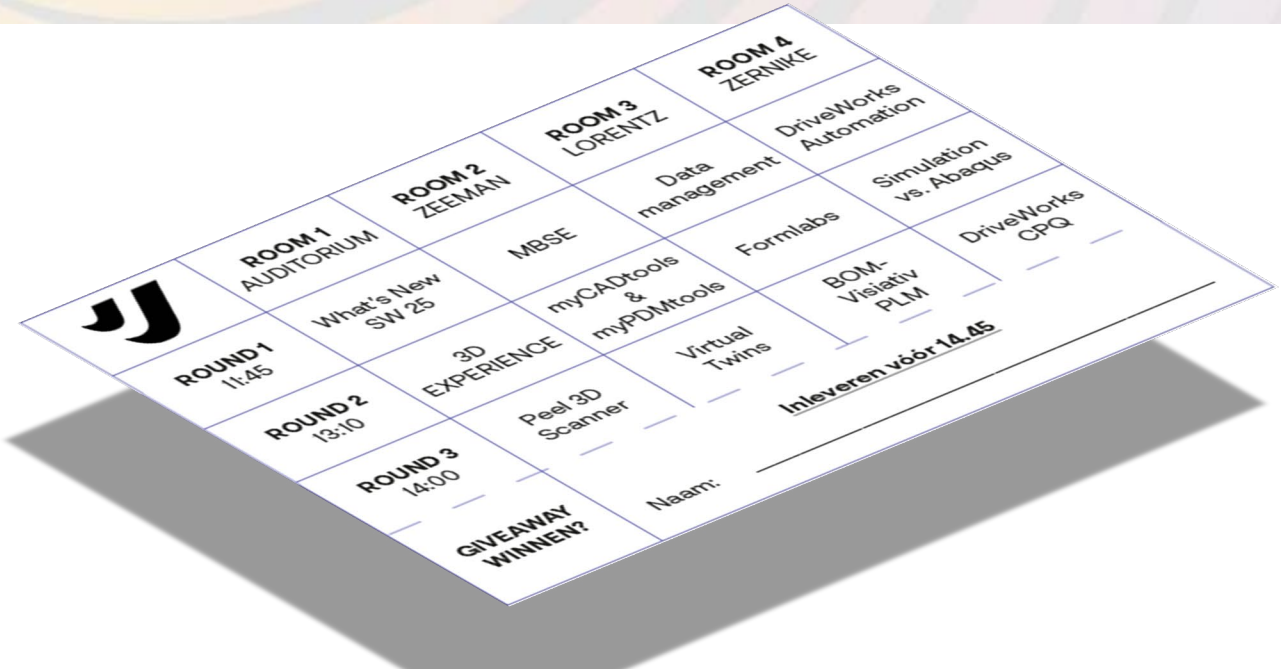
By Dolf Broekaart

Go Digital, Stay Human

15:30

By Christian Kromme

Break-out sessions



Round 1:	11:45 – 12:30
Break:	12:30 – 13:10
Round 2:	13:10 – 13:55
Round 3:	14.00 – 14:45
Break:	14:45 – 15:10

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