

3DEXPERIENCE®

Mobility for All Challenge

Setting up a Submission Dashboard in **3DEXPERIENCE**

Recommendations for teams

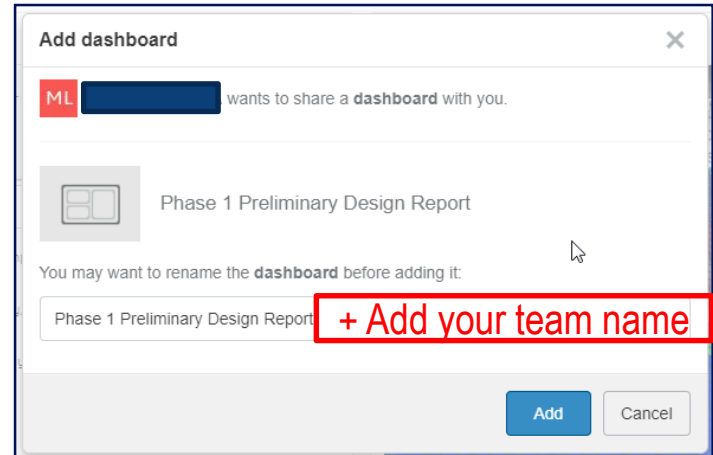
04/2021

Submission dashboard

Teams can reuse the “Design submission template” Dashboard shared in **3DEXPERIENCE** or create their own

- Recommendation: if working in a team, **one (1) member creates a Dashboard for the team and shares the dashboard with other team members and judges/coaches (see next page)**

Suggested Sections of the Dashboard are described in slide 5



Dashboard with Widgets - Overview

- Dashboard name

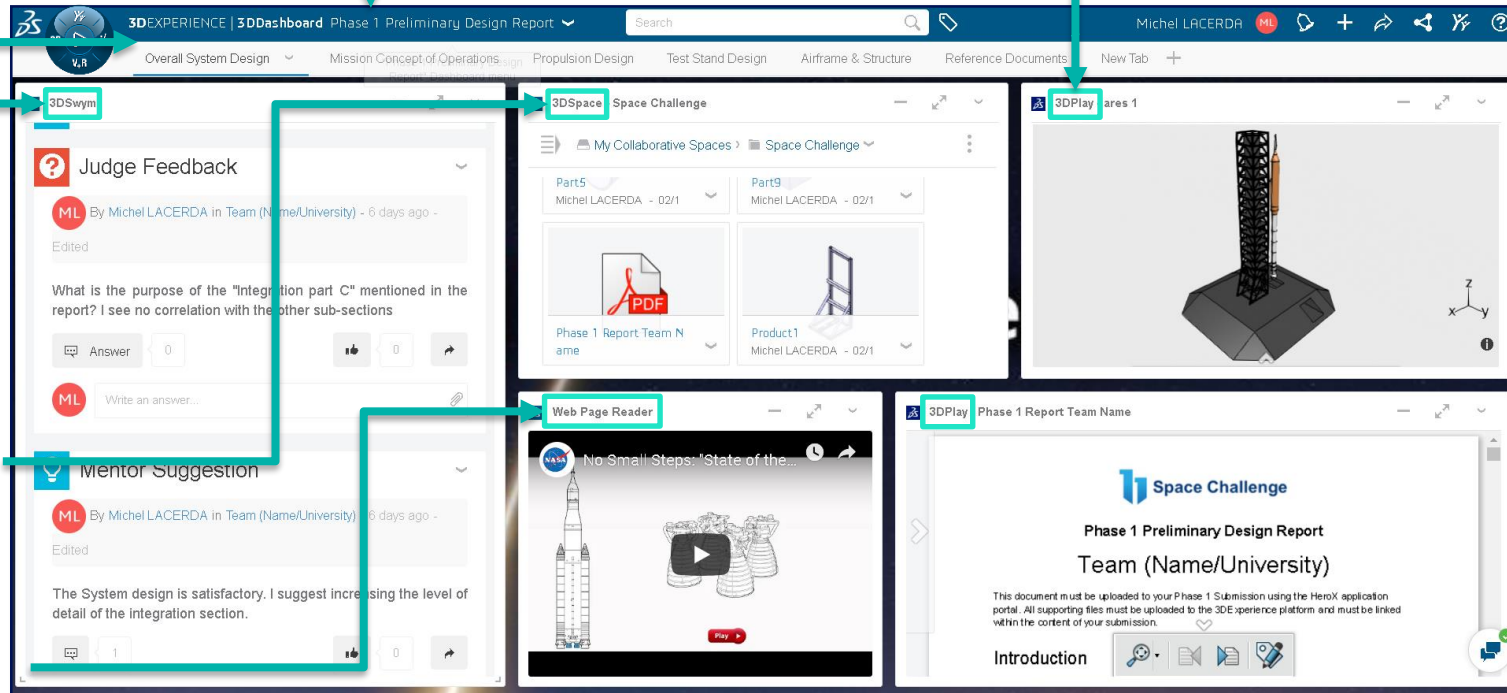
- 3DPlay displays CAD files (3D, 2D, analysis,...), documents (pdf)

- Dashboard sections

- 3DSWYM allows interaction with members, mentors, judges...

- 3DSpace serves as a repository for the team's data -3D data, drawings, analysis, documents (pdf, Ms.Word,...), pictures, etc.

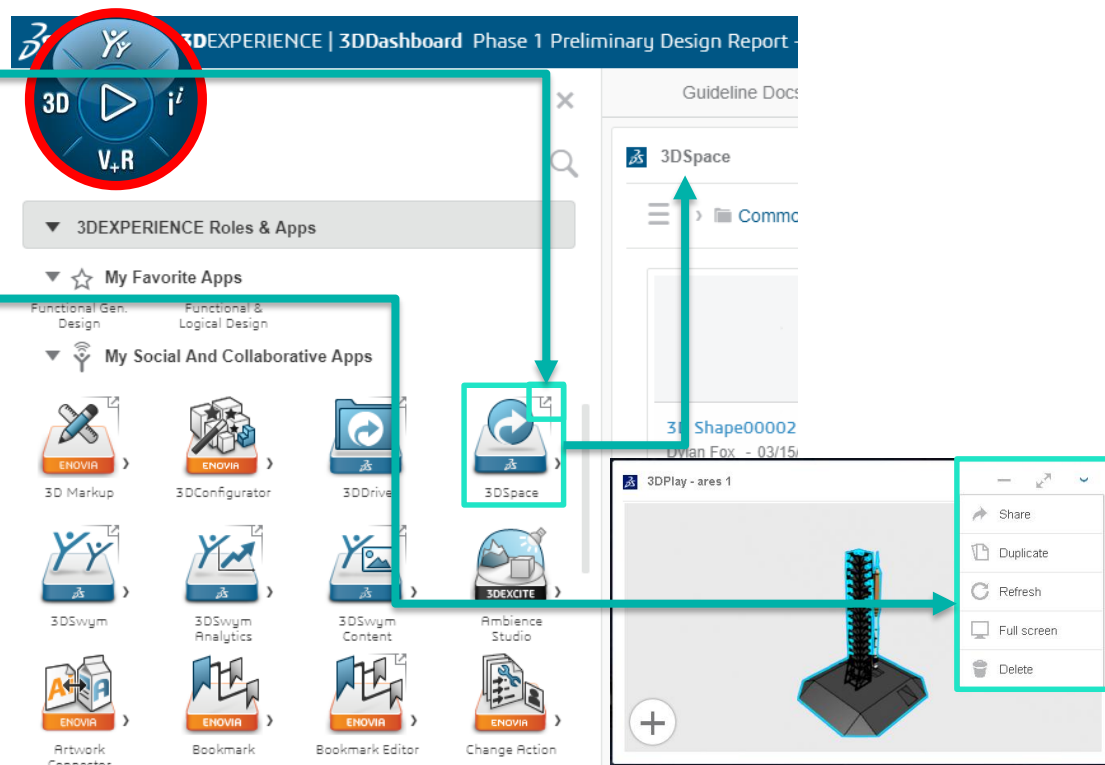
- Web Page Reader displays videos, web pages



- 3DDrive serves as a repository for the team's data like documents (pdf, Ms.Word,...), pictures, etc.

How to Add / Modify Widgets in a dashboard

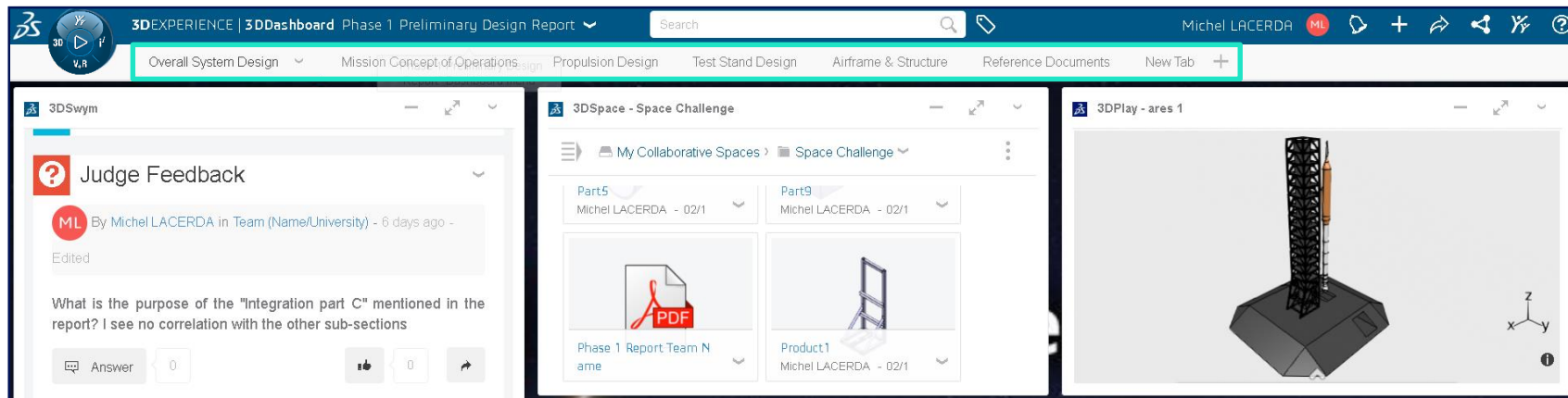
- Widgets are apps with an arrow on the top right icon
- To add a Widget to a dashboard, drag and drop it on a dashboard
- Each Widget has on its upper right corner commands to
 - Minimize,
 - Resize,
 - Share,
 - Duplicate,
 - Refresh,
 - Full Screen
 - Delete



Submission - Dashboard sections

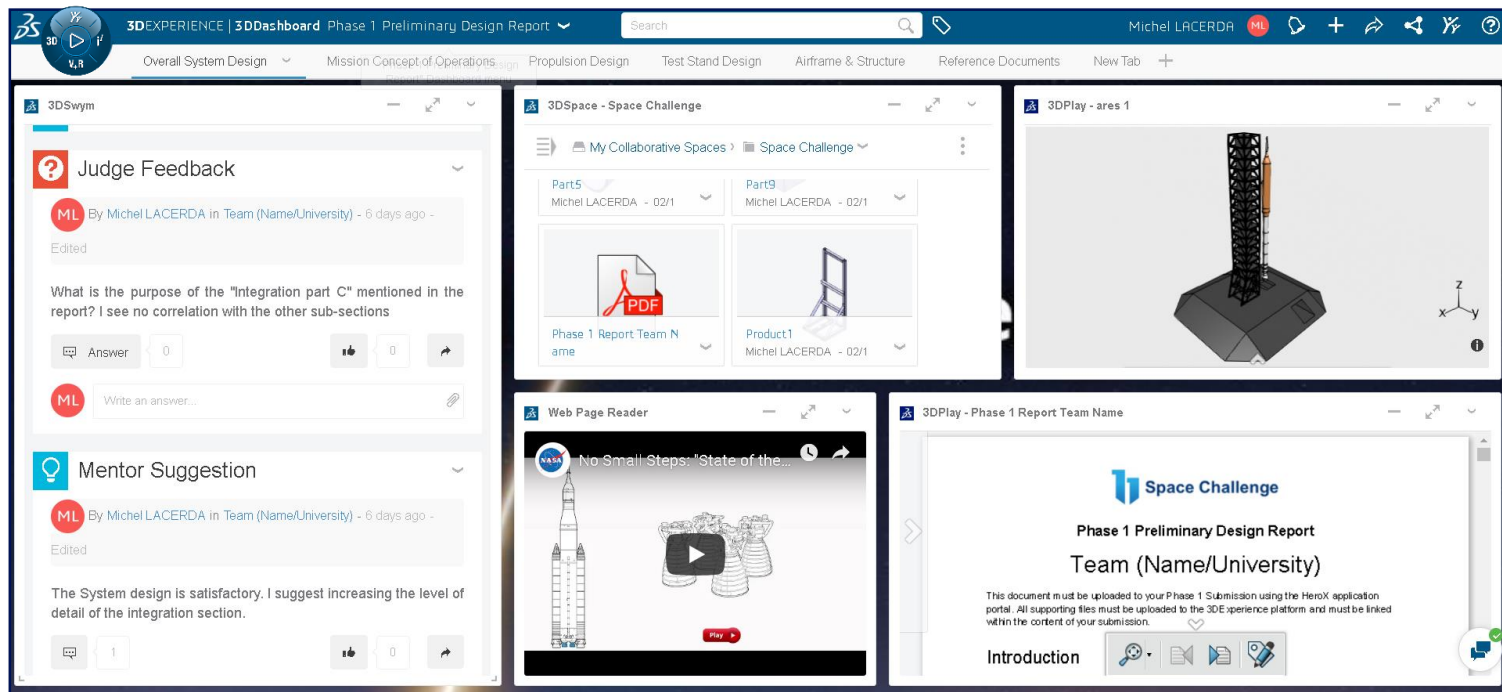
Here are some recommendation/Ideas for the sections of your dashboard

- ▶ Overall Design
- ▶ Societal impact/Environmental impact
- ▶ Storyboard
- ▶ Reference Documents
- ▶ Technological Innovation /Concept of Operations (optional)



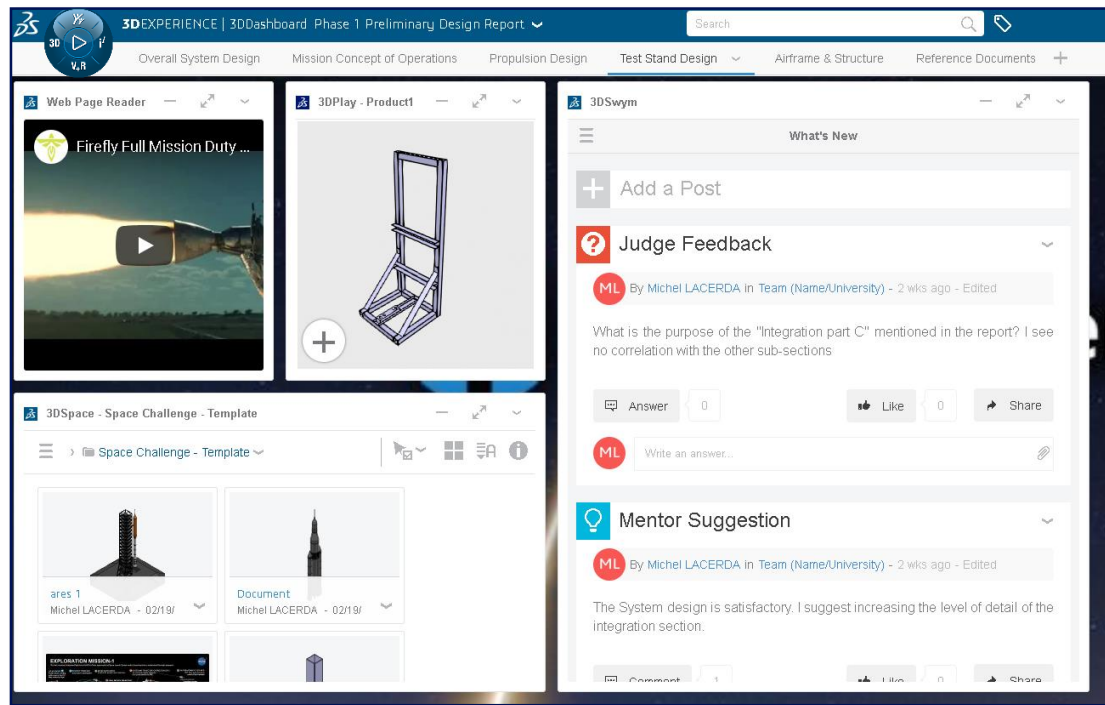
Section "Overall Design"

- The Overall Design Section serves as a central location to communicate on your design, system design present 3D data, and a short document explaining the design
- The short document can displayed with:
 - 3DPlay for a PFD
 - Web Page reader for a video
 - 3DStory for a storyboard
- The Sections will be displayed to the Judges/Mentors in the same way that you set it up



Section "Storyboard"

- The Storyboard Section serves as a location to present the concept of operations, graphs, and a short video (optional) explaining the concept of operations
- The short document can displayed with:
 - 3DPlay for a PFD
 - Web Page reader for a video
 - 3DStory for a storyboard



Section “Societal impact/Environmental impact”

- The Societal impact/Environmental impact Section serves as a location to present information related to the impacts of your solution, and/or a short video (optional) explaining the approach or reference for the design

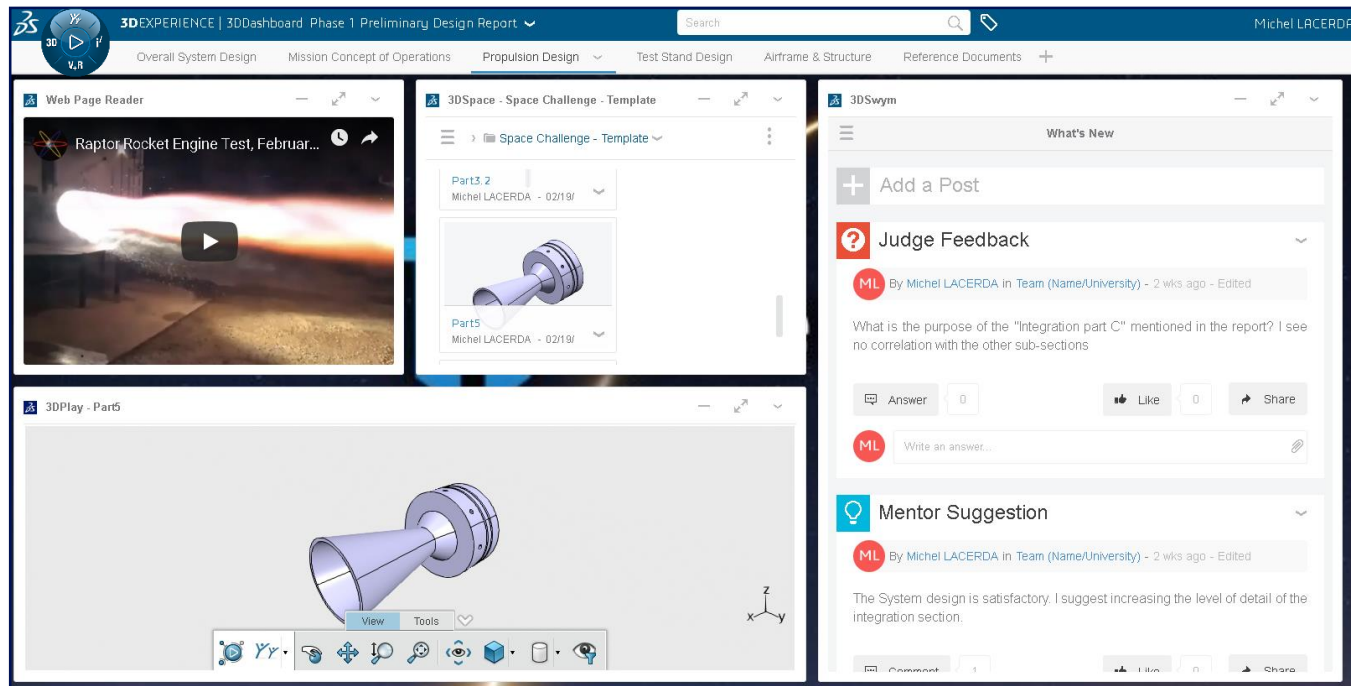
The screenshot displays the 3DEXPERIENCE 3DDashboard interface for a 'Phase 1 Preliminary Design Report'. The top navigation bar includes tabs for 'Overall System Design', 'Mission Concept of Operations', 'Propulsion Design', 'Test Stand Design', 'Airframe & Structure', and 'Reference Documents'. The main content area is divided into three panels:

- 3DSwym Panel:** Features a 'What's New' section with a post titled 'Judge Feedback' by Michel LACERDA. The post asks, 'What is the purpose of the "Integration part C" mentioned in the report? I see no correlation with the other sub-sections'. Below the post is a 'Mentor Suggestion' by Michel LACERDA, which states: 'The System design is satisfactory. I suggest increasing the level of detail of the integration section.'
- Web Page Reader Panel:** Displays a video titled 'SpaceX Falcon Heavy launch' showing the rocket on the launch pad.
- 3DSpace - Space Challenge - Template Panel:** Shows a list of documents and parts, including 'ares 1', 'em1', and 'Part1.1', all dated 02/19/21.

At the bottom, a 'CATIA - em1' panel displays a complex orbital diagram with various mission phases labeled, such as 'LAUNCH', 'JETTRON BOOSTERS', 'EARTH ORBIT', 'OUTBOUND TRANSIT', 'RETURN TRAJECTORY CORRECTION (RTCC)', 'JETTRON LAUNCH ABORT SYSTEM', 'RETURN TRAJECTORY BURN', and 'RETURN TRAJECTORY'. The diagram also includes a timeline and a map of the Earth.

Section "Technological Innovation"

- The Technological Innovation Section serves as a location to present the 3D files related to the technologies involved in your solution, graphs, and/or a short video (optional) explaining the approach or reference for the design



Section "Reference Documents"

- The Reference Documents Section serves as a location to centralize documents for reference, design documents and other documents that helped you to make the design decisions.

3DEXPERIENCE | 3DDashboard Phase 1 Preliminary Design Report

Overall System Design Mission Concept of Operations Propulsion Design Test Stand Design Airframe & Structure Reference Documents

Web Page Reader

Base 11 Space Challenge - JOIN US

Leland D. Melvin
Former NASA Astronaut

3DPlay - Phase 1 Judging Rubric.pdf

Space Challenge

Section	Criteria	Objective Points	Discretionary Points	Maximum Possible Points
Technical Design (Worth 85%)	Overall Report: Completeness, clarity, and readability	NA	0.5	5
	Overall System Design	NA	0.5	5
	Mission Concept of Operations	NA	0.5	5
	Mission Analysis	0-3	0-3	6
	Requirements	NA	0.5	5
	Mass Budget	0-3	0-3	6
Propulsion Design:				

3DSwym

What's New

Add a Post

Judge Feedback

By Michel LACERDA in Team (Name/University) - 2 wks ago - Edited

What is the purpose of the "Integration part C" mentioned in the report? I see no correlation with the other sub-sections.

Answer 0 Like 0 Share

Write an answer...

Mentor Suggestion

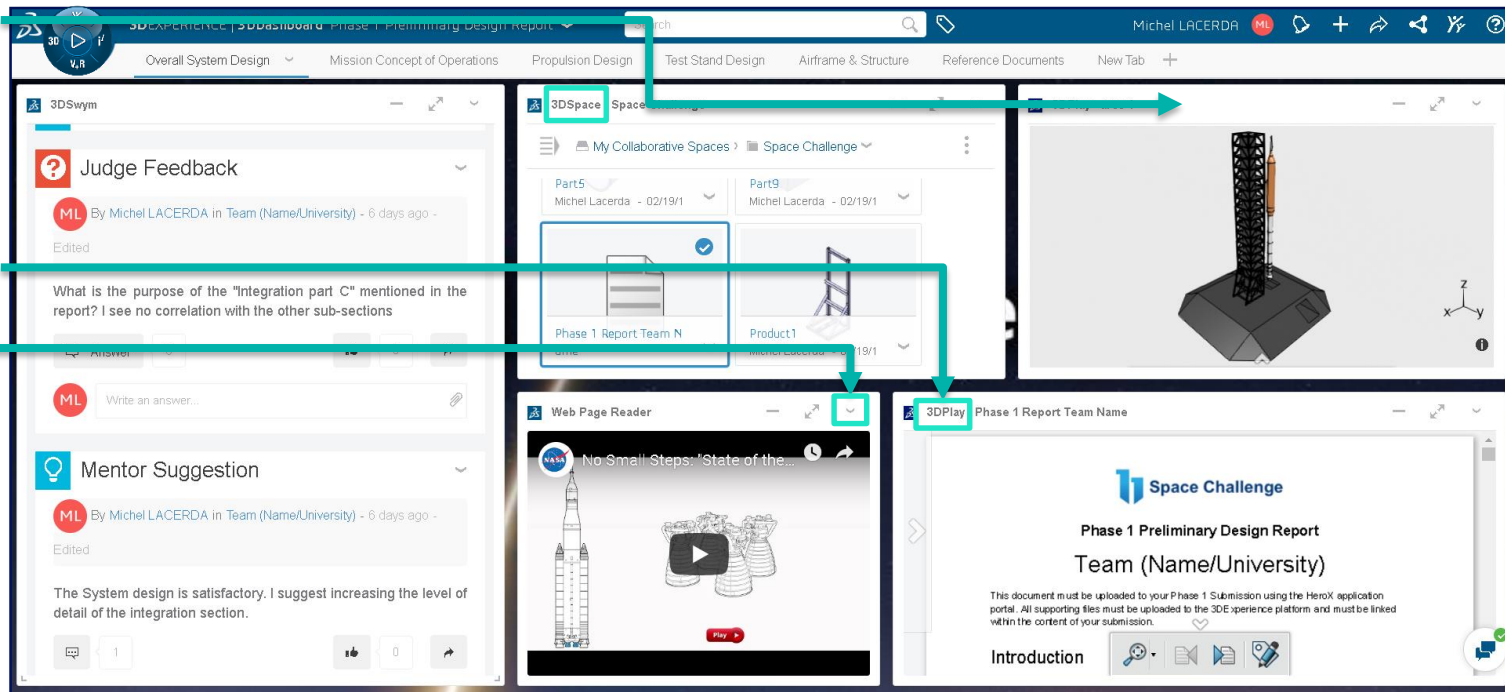
Additional Section – You can add additional sections

- Drag and drop 3D files, drawings, analysis, ... from 3DSpace to 3DPlay for display

- Create a story with 3DStory to present information

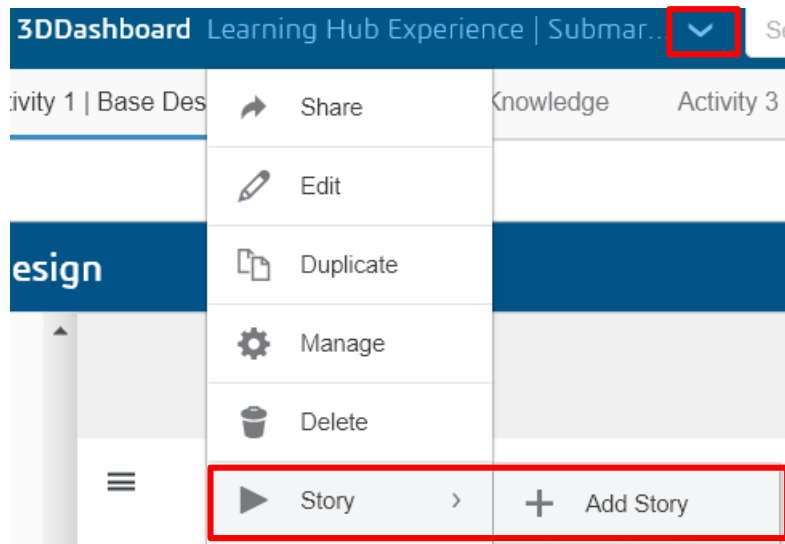
- Drag and drop the Team files (pdf) from 3DSpace to 3DPlay for display

- For Web Page reader, in Preferences, add the address of a web page or use the address to embed a video for a Youtube video (<https://www.youtube.com/embed/.....>)



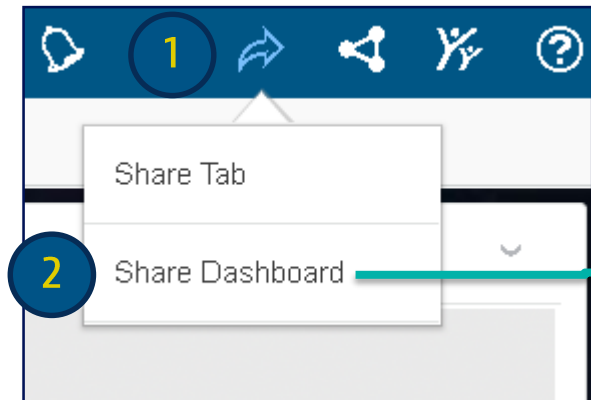
Present your dashboard

- Add a story to your dashboard to present its content
 - ▷ Note: this is done in the dashboard, not in the 3DStory app



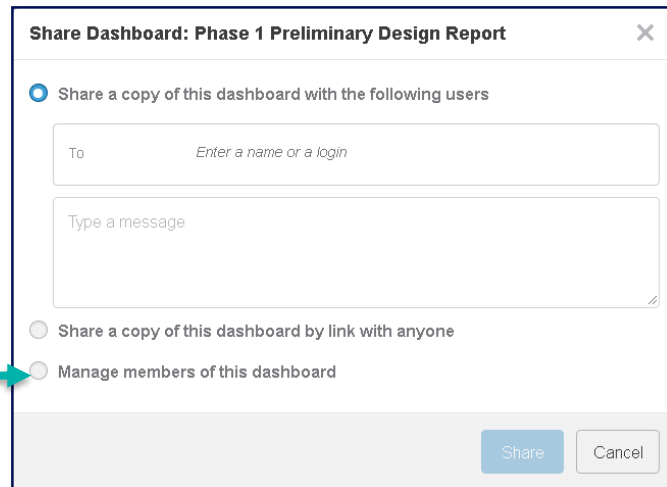
Sharing a Dashboard with Judges/Mentors (1/2)

1. On the web page of the dashboard, on the upper-right corner, click on the 'Share' sign



2. Select 'Share Dashboard'

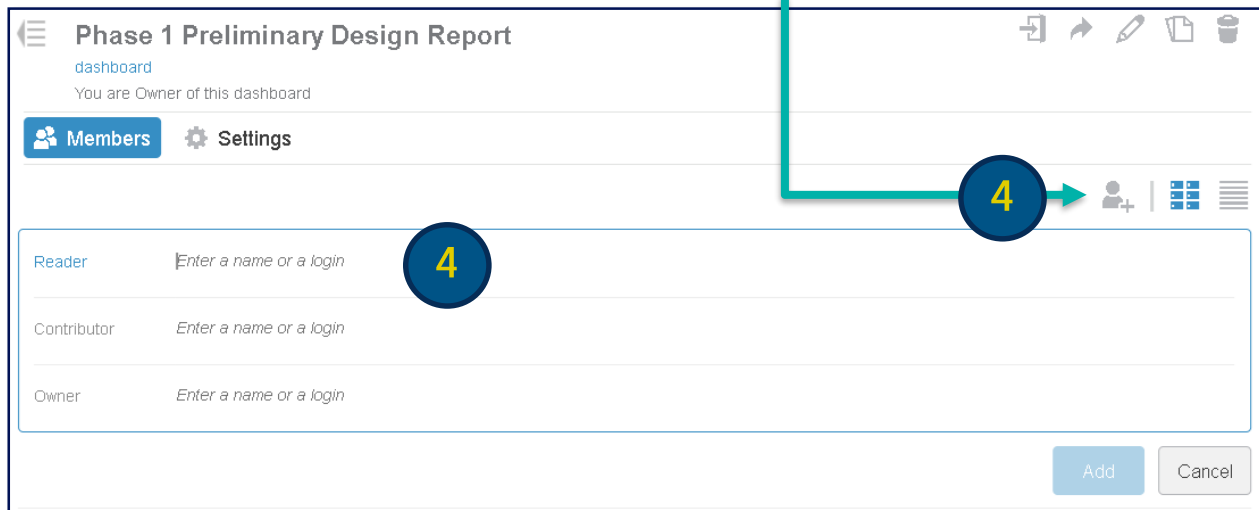
3. Select the last option: Manage members



Sharing a Dashboard with Judges/Mentors (2/2)

4. Add Mentors / Judges as Reader : add the group named **MFA_Judges**

Note: make sure the Members/Judges/Mentors have a read access to your 3DSPACE and/or 3DDRIVE and 3DSWYM



Phase 1 Preliminary Design Report

dashboard

You are Owner of this dashboard

Members Settings

Reader

Contributor

Owner

Add Cancel

- Reader – Read-only access
- Contributor – Edit the content of widgets, cannot modify the structure or properties of the dashboard / widget position / size
- Owner – Edit the dashboard structure and widget content, modify the dashboard properties, delete the dashboard, manage users' access

5. Share a copy of the Dashboard by a link

6. Copy the link and paste it in HeroX



Share dashboard: Phase 1 Preliminary Design Report

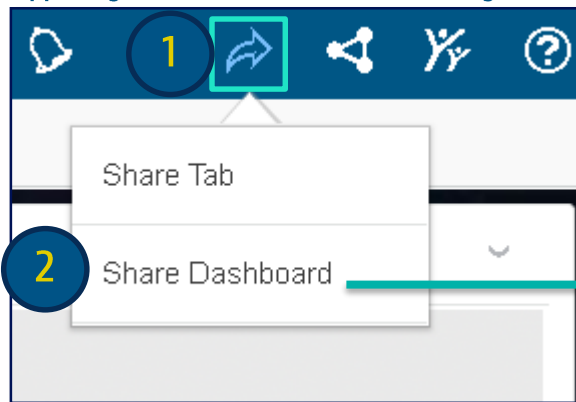
Public link to dashboard "Phase 1 Preliminary Design Report":

<https://eu1-academia-ifwe.3dexperience.3ds.com/#notification:92FC9syA23E>

Done

Adding team members to a Dashboard (1/2)

1. On the web page of the dashboard, on the upper-right corner, click on the 'Share' sign



2. Select 'Share Dashboard'

Note: you can choose:

- To share a copy of the Dashboard with other 3DEXPERIENCE users
- To share a copy of the Dashboard by link
- To manage members that have access to the Dashboard (it is not a copy)

3. Select the last option:
Manage members

Adding team members to a Dashboard (2/2)

4. Click on the icon “Add members” and type the name of the members that you want to add

Phase 1 Preliminary Design Report

dashboard

You are Owner of this dashboard

Members Settings

Reader Enter a name or a login 6

Contributor Enter a name or a login 5

Owner Enter a name or a login

Add Cancel

- Reader – Read-only access
- Contributor – Edit the content of widgets, cannot modify the structure or properties of the dashboard / widget position / size
- Owner – Edit the dashboard structure and widget content, modify the dashboard properties, delete the dashboard, manage users' access

5. Add team members as Contributor or Owner depending of their role

