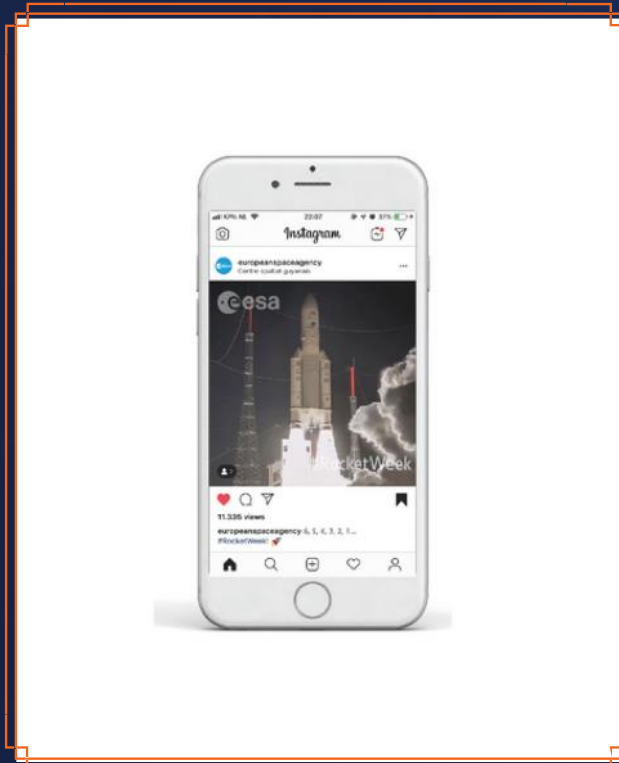


ATG Engineering

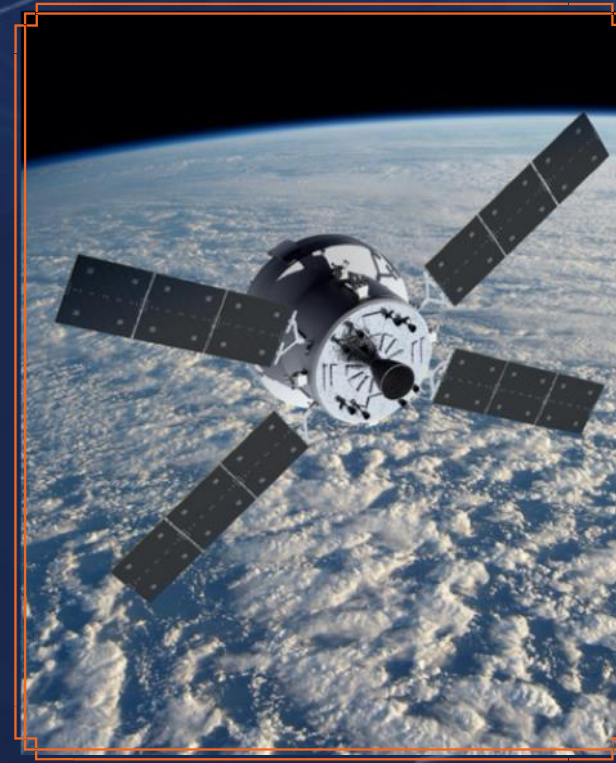
Digital services and products



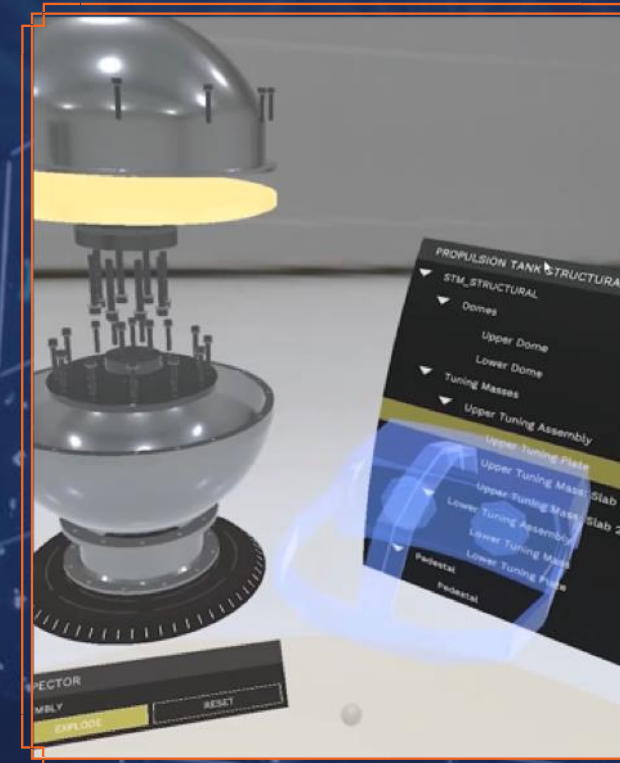
Digital services



2D



3D

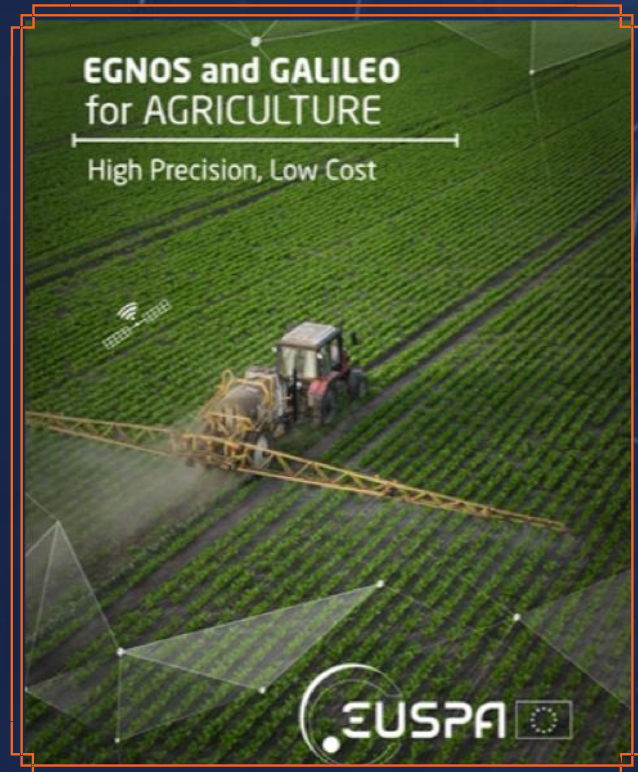


Virtual reality

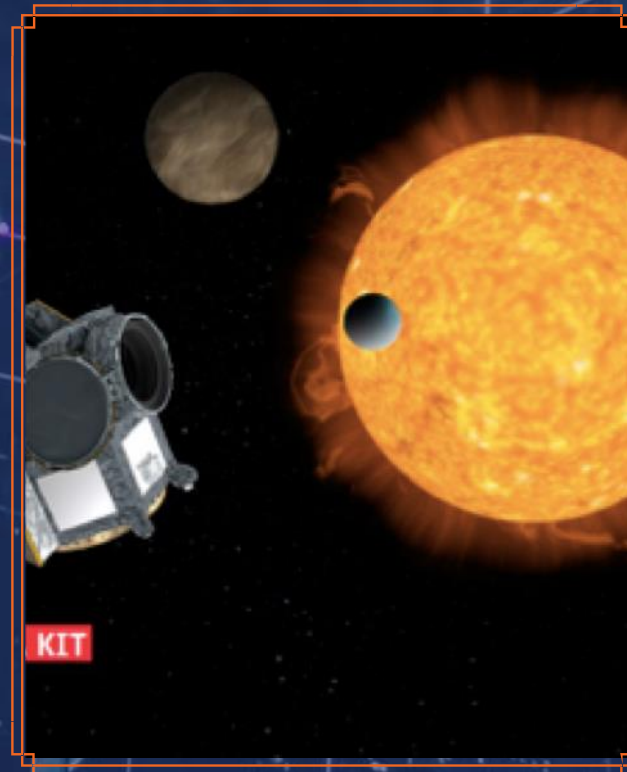


Augmented reality

2D



Graphic design services

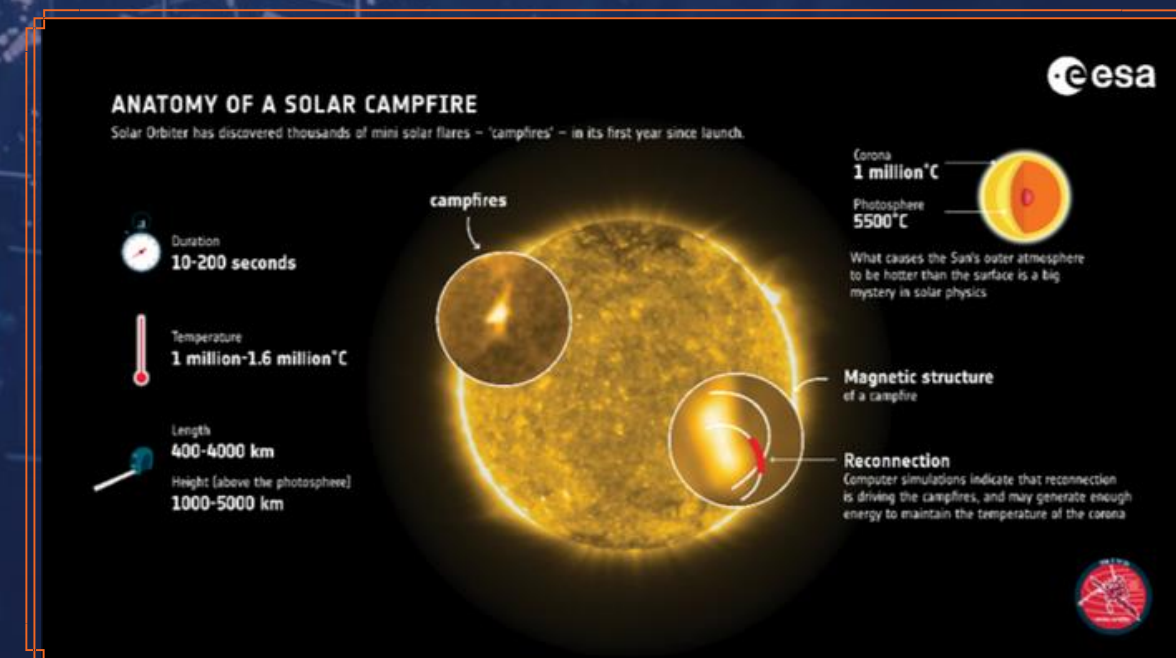
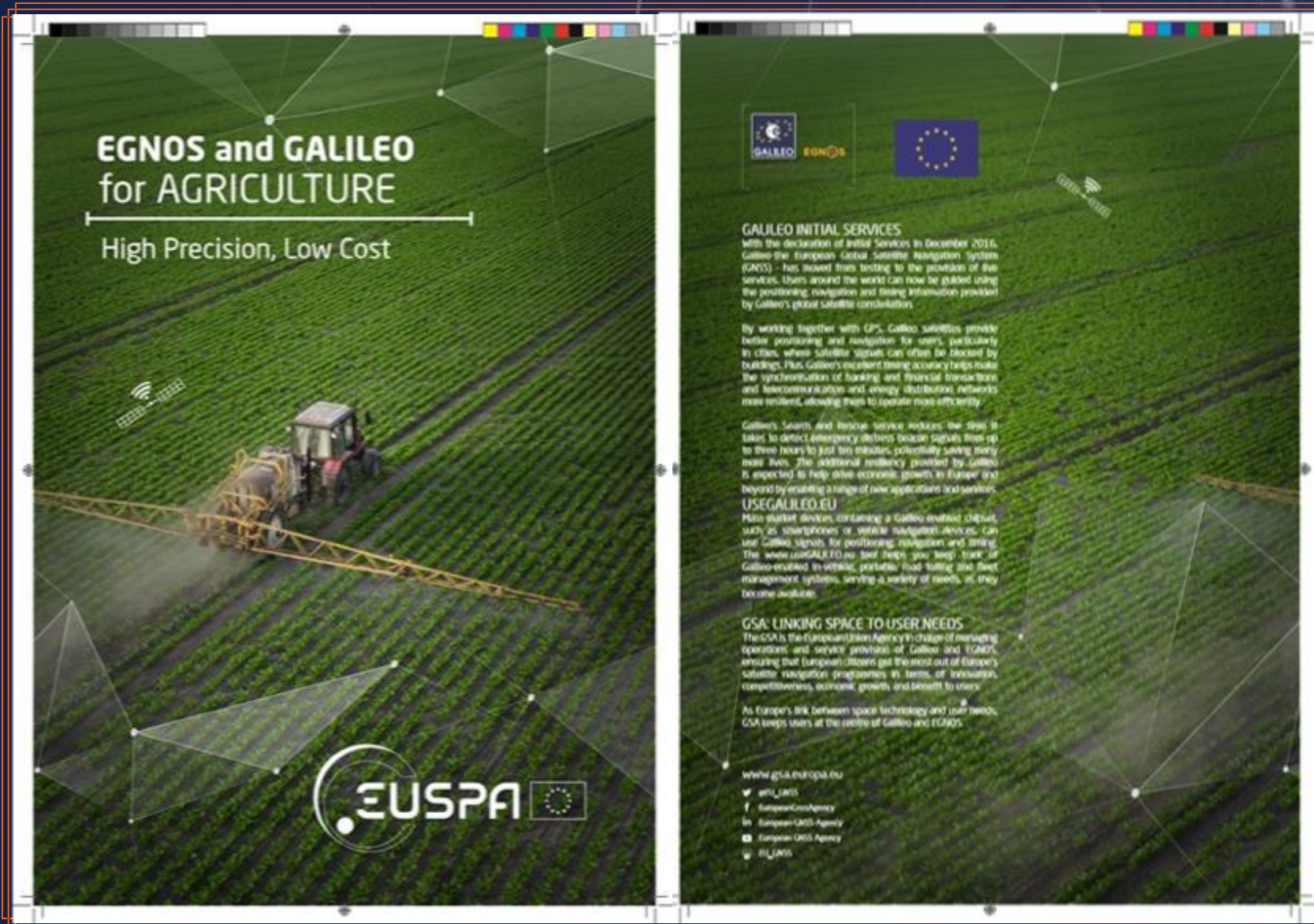
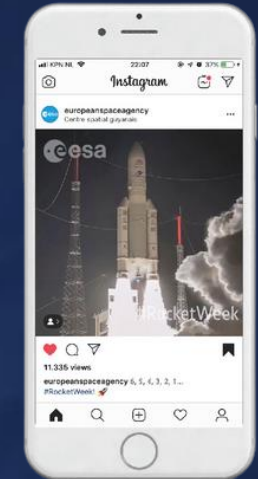


Media kits



Video and photography services

Graphic design services



Media kits



Video and Photography services

Full video services including

- Art Direction
- Scripting/Storyboarding
- Shooting (HD/4K/360 – 8K)
- Audio
- Subtitling/ Captioning
- Editing
- Video
- Virtual tours

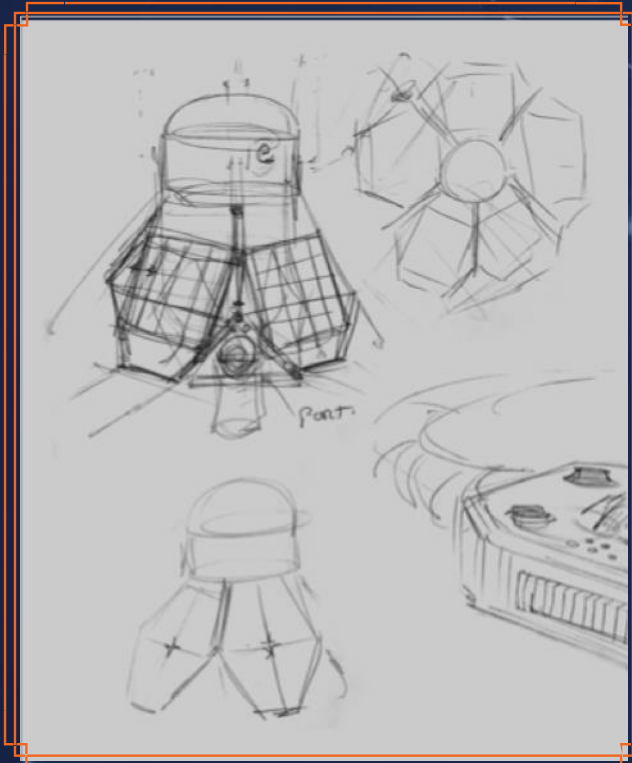


Photography services including
Editing

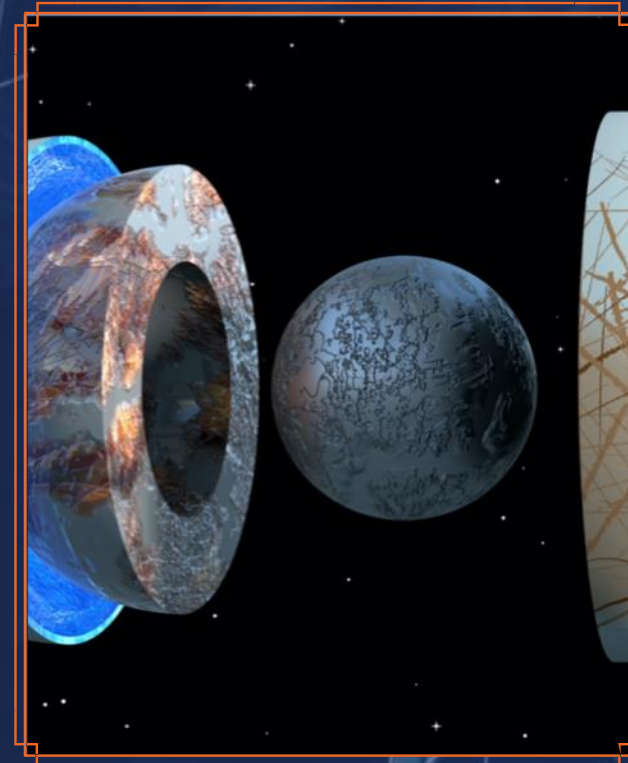
- 360 video
 - Gigaresolution photo 360
- Event photography as well as technical/scientific
- 360 video and multi resolution photo
 - Virtual tours



3D



Conceptualisation



Stylised visuals
and animations



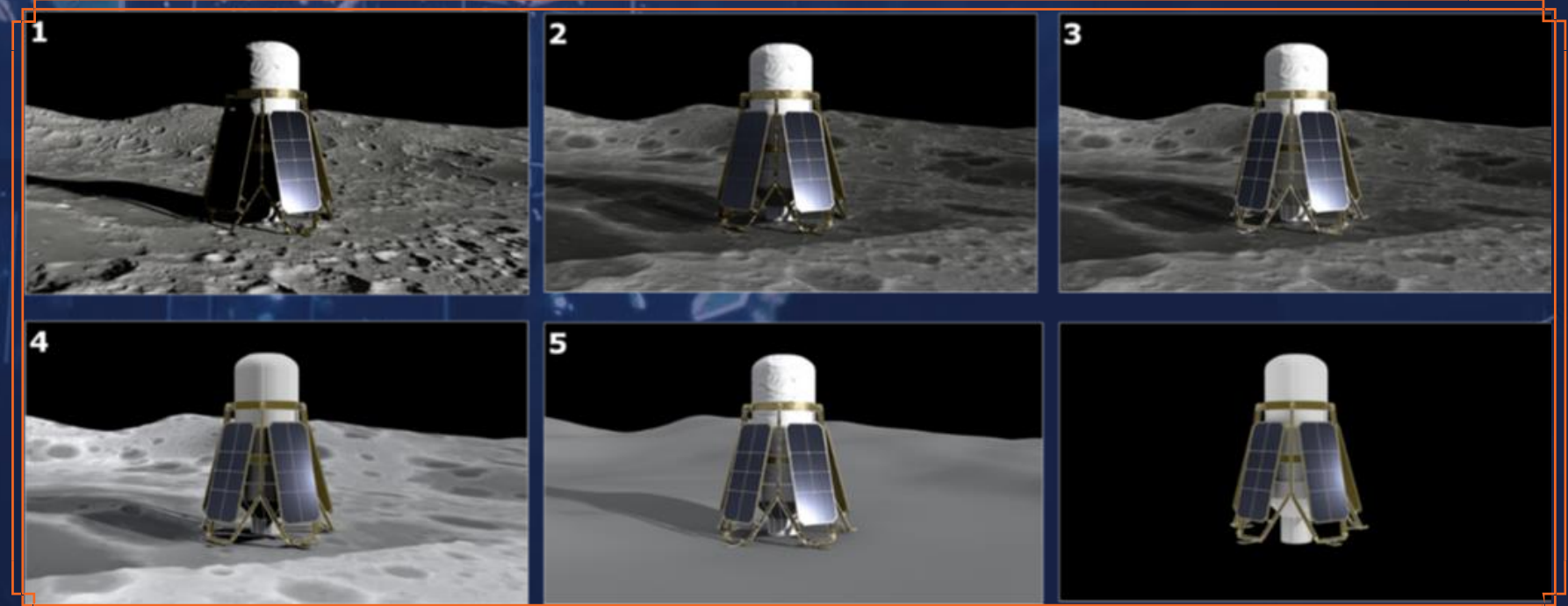
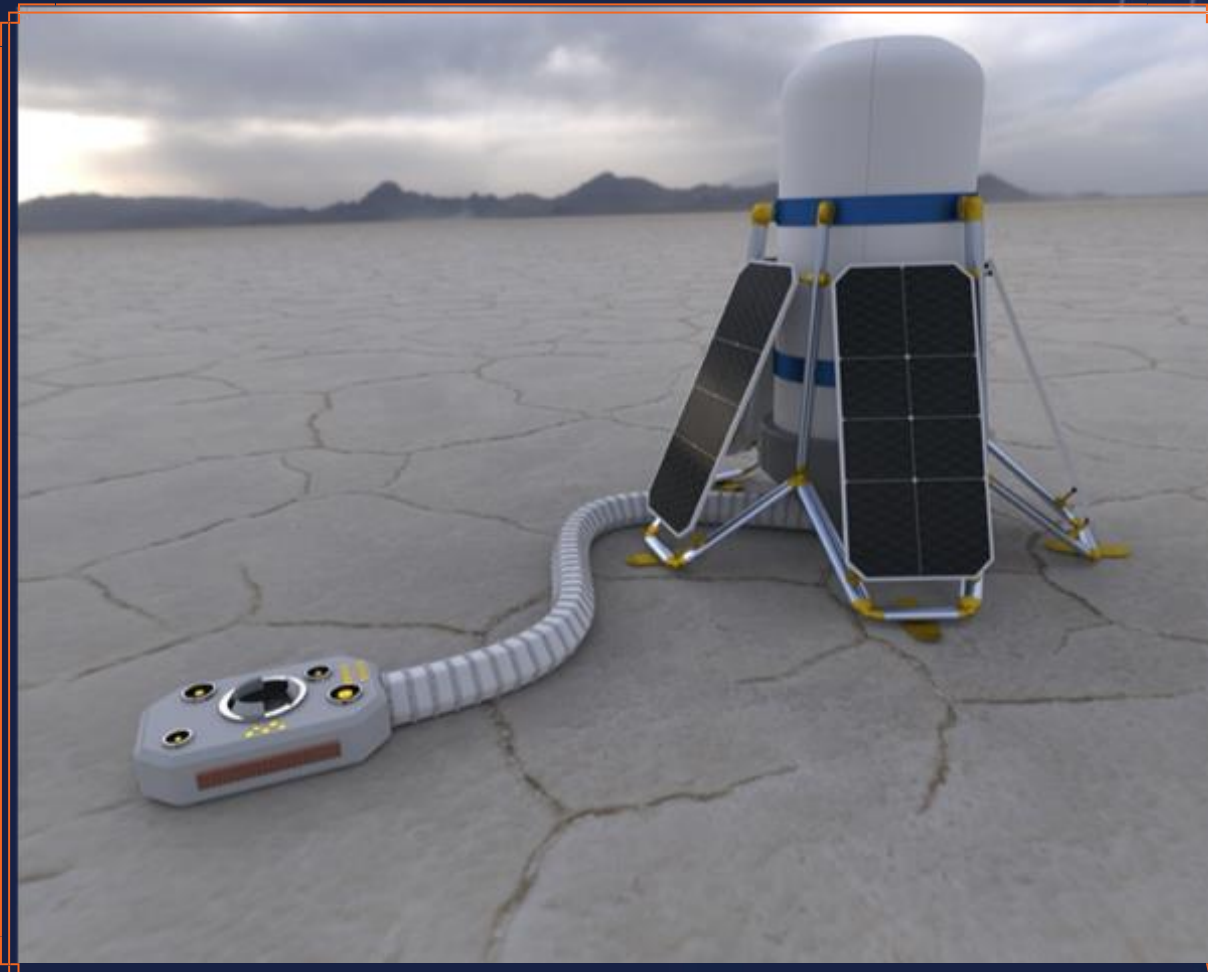
Photorealistic
visuals and
animations



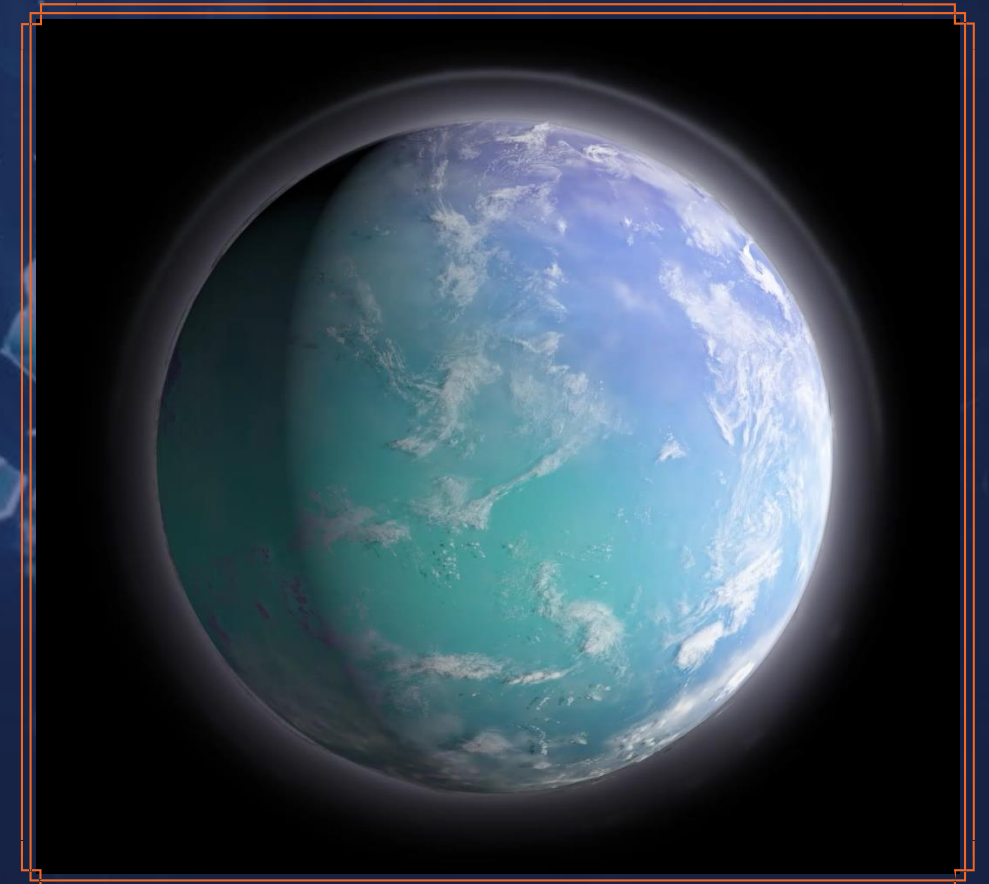
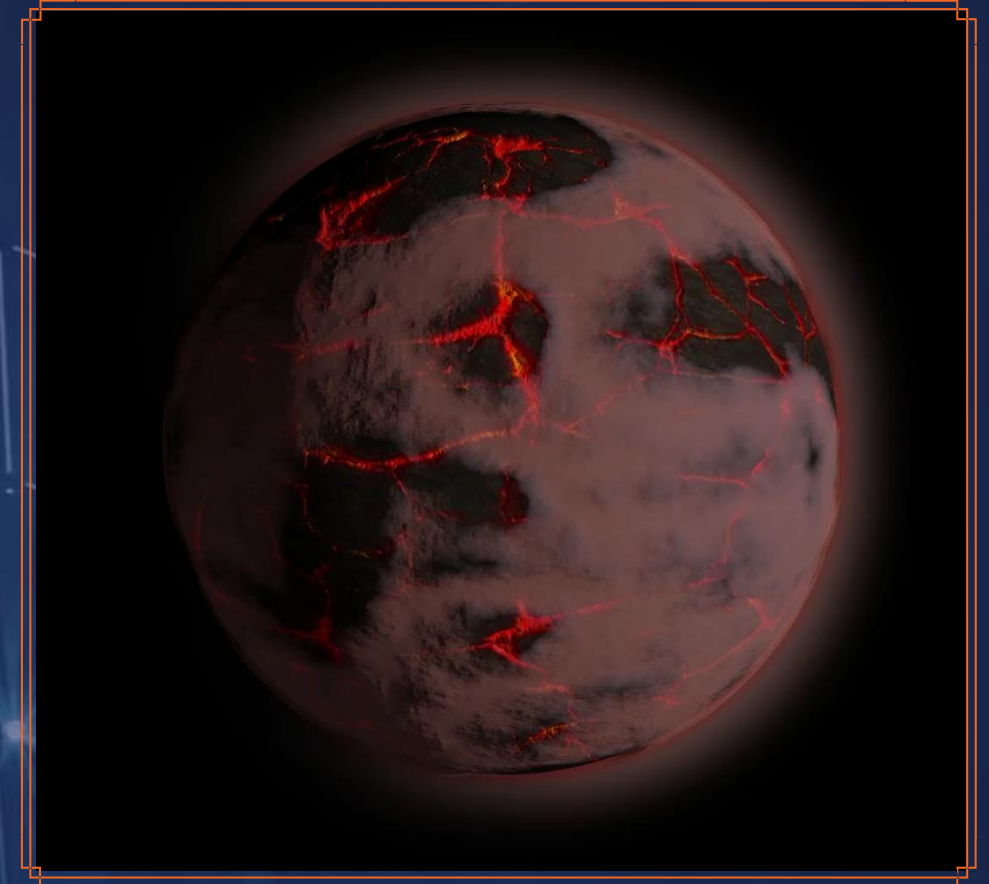
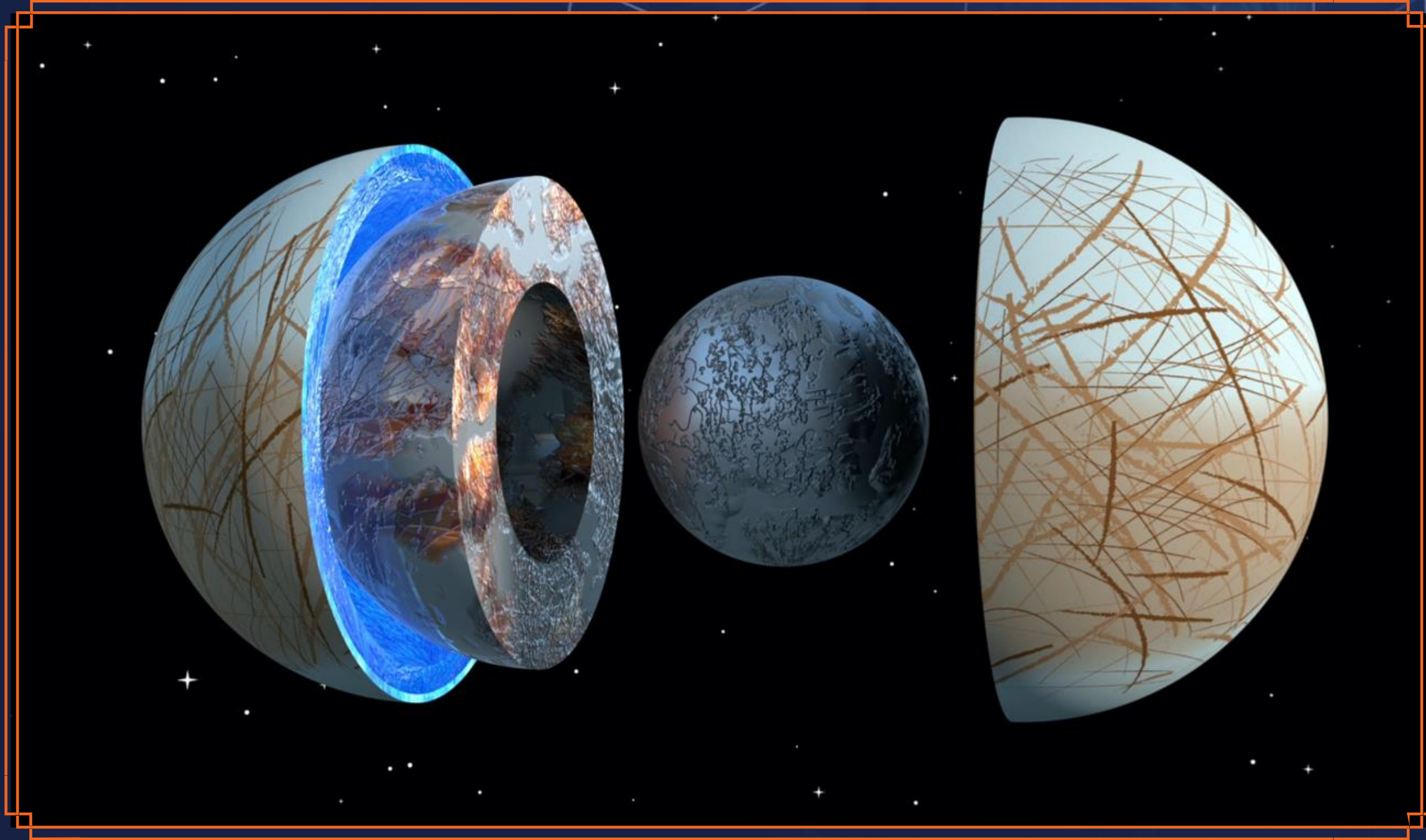
Web-based 3D
maps and models

Conceptualisation

Concept development of complex products, systems and missions
From rough sketch to detailed 3D model.

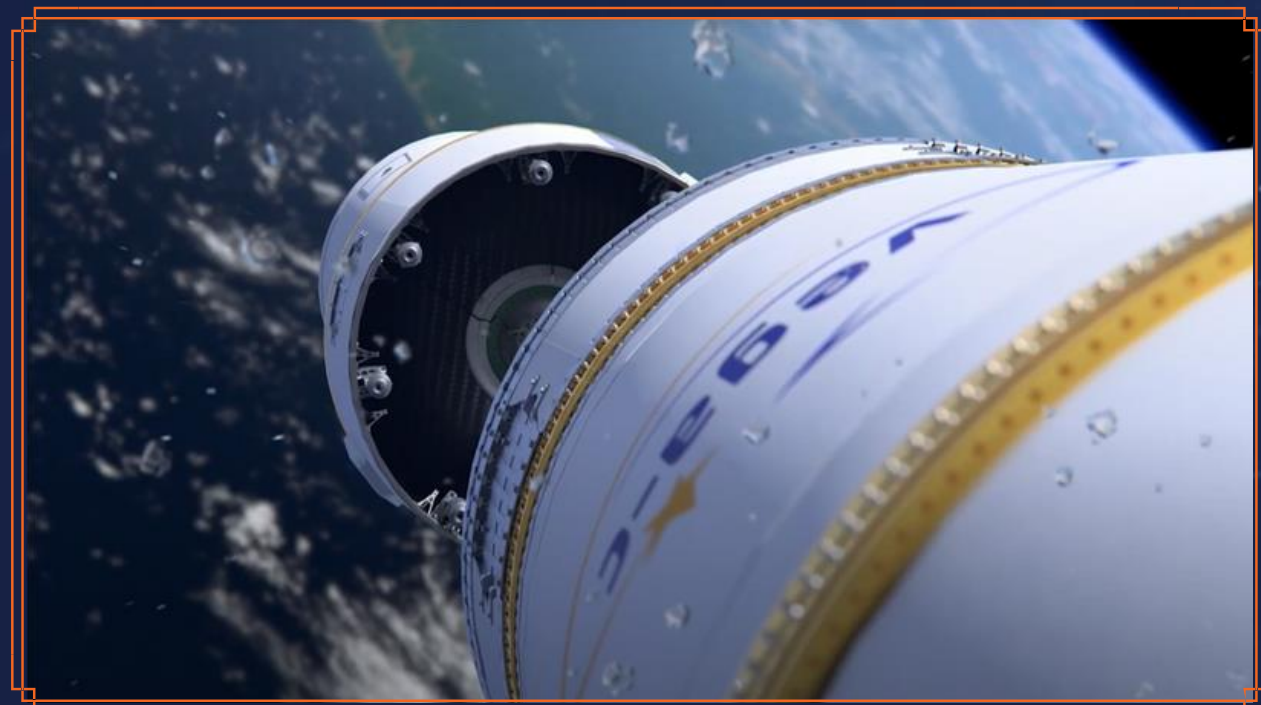


Stylised visuals and animations



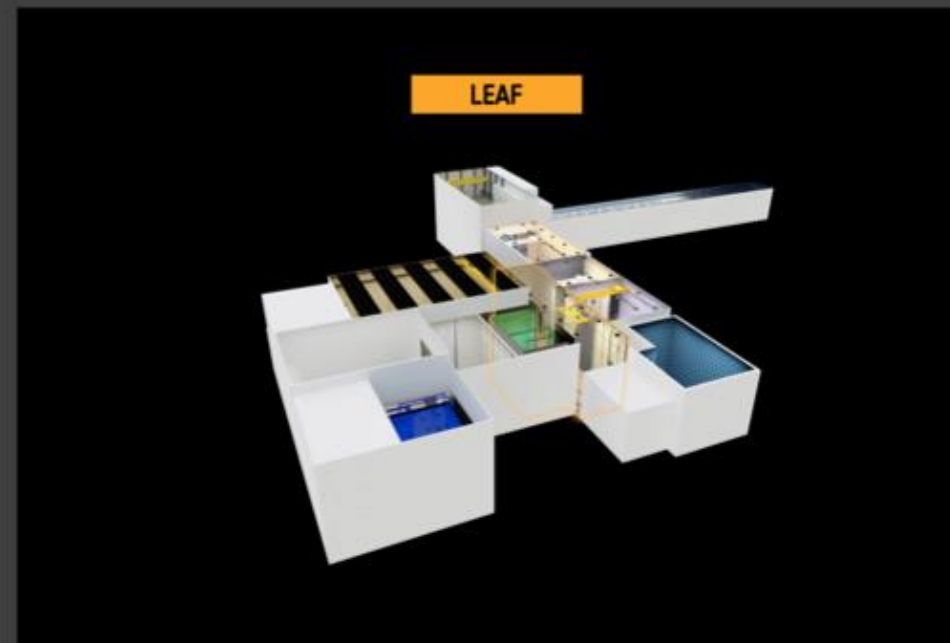
Photorealistic visuals and animations

- 3D Models based on actual CAD designs
- Rendered in 4K or HD
- Visualizing the unseen or masking IP
- Stereoscopic 360 animations
- Full dome animations

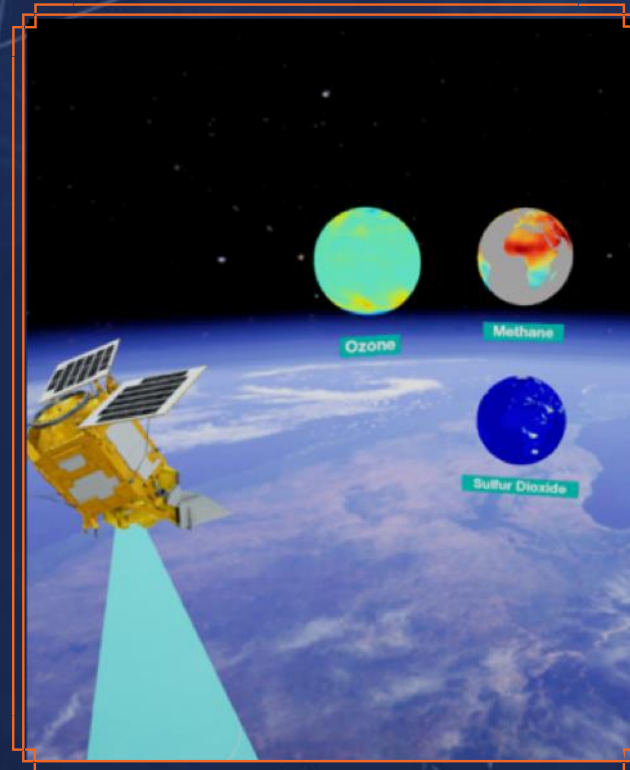


Web-based 3D maps and models

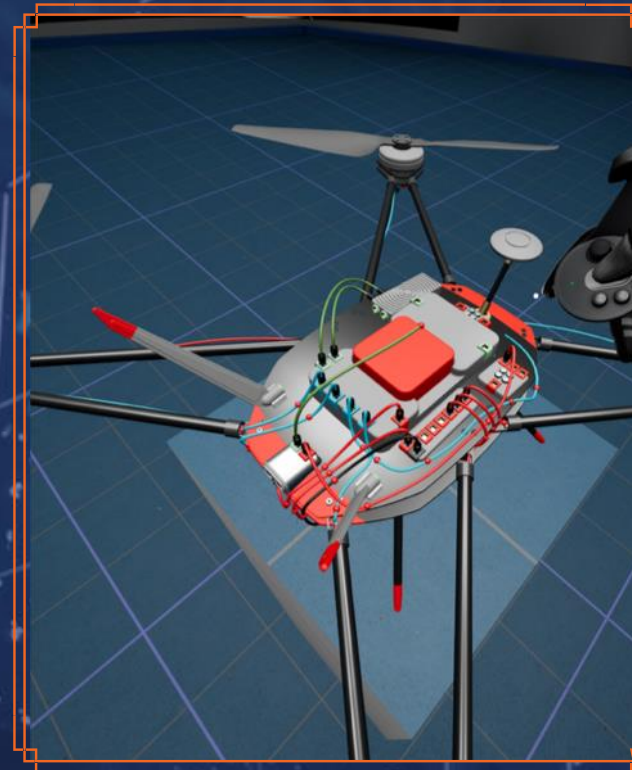
- Fully detailed model based tours and interactive models
- Enriched with web content (video/ minigames/ photos)
- Approachable by browser
- Local hosting possible



Virtual Reality

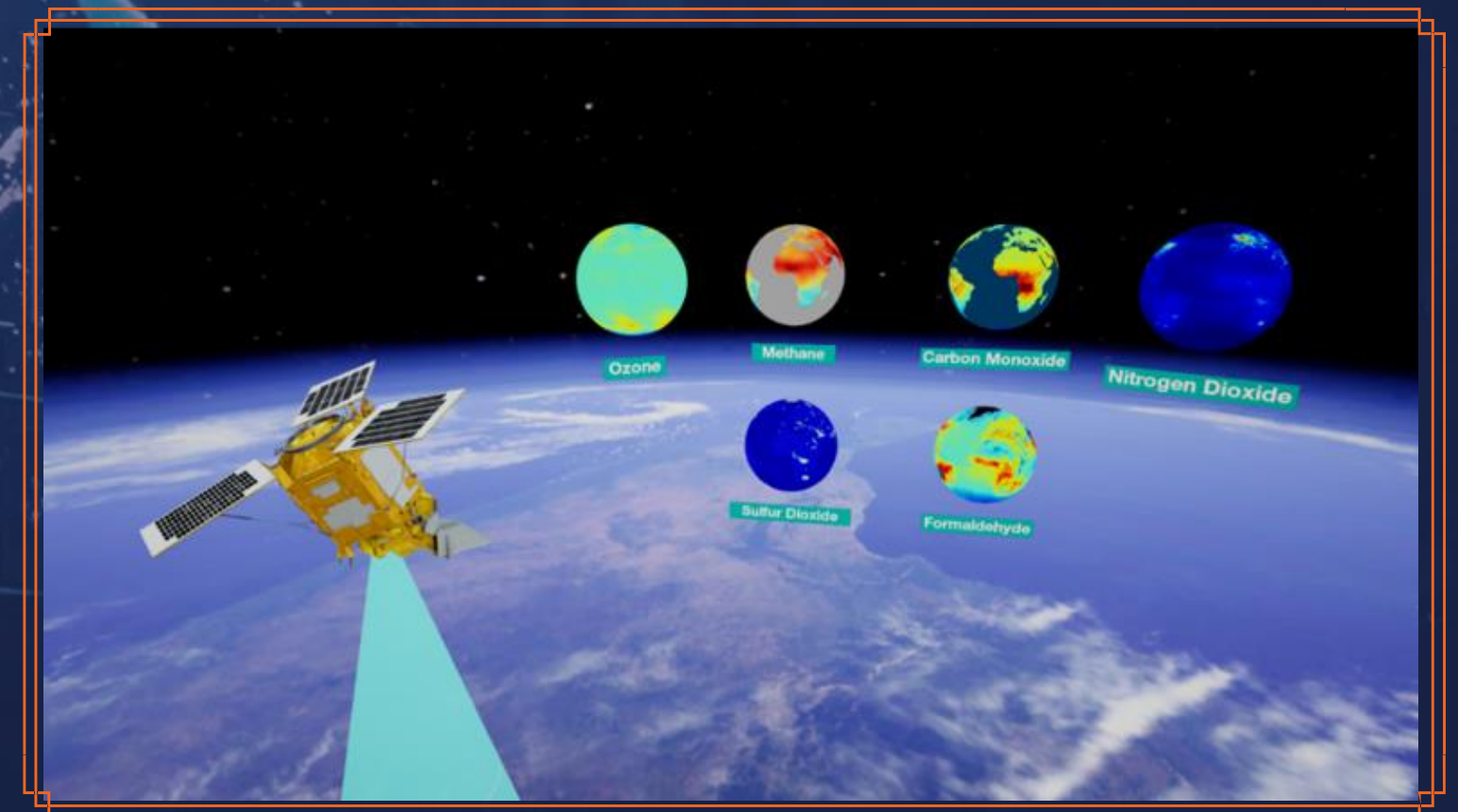
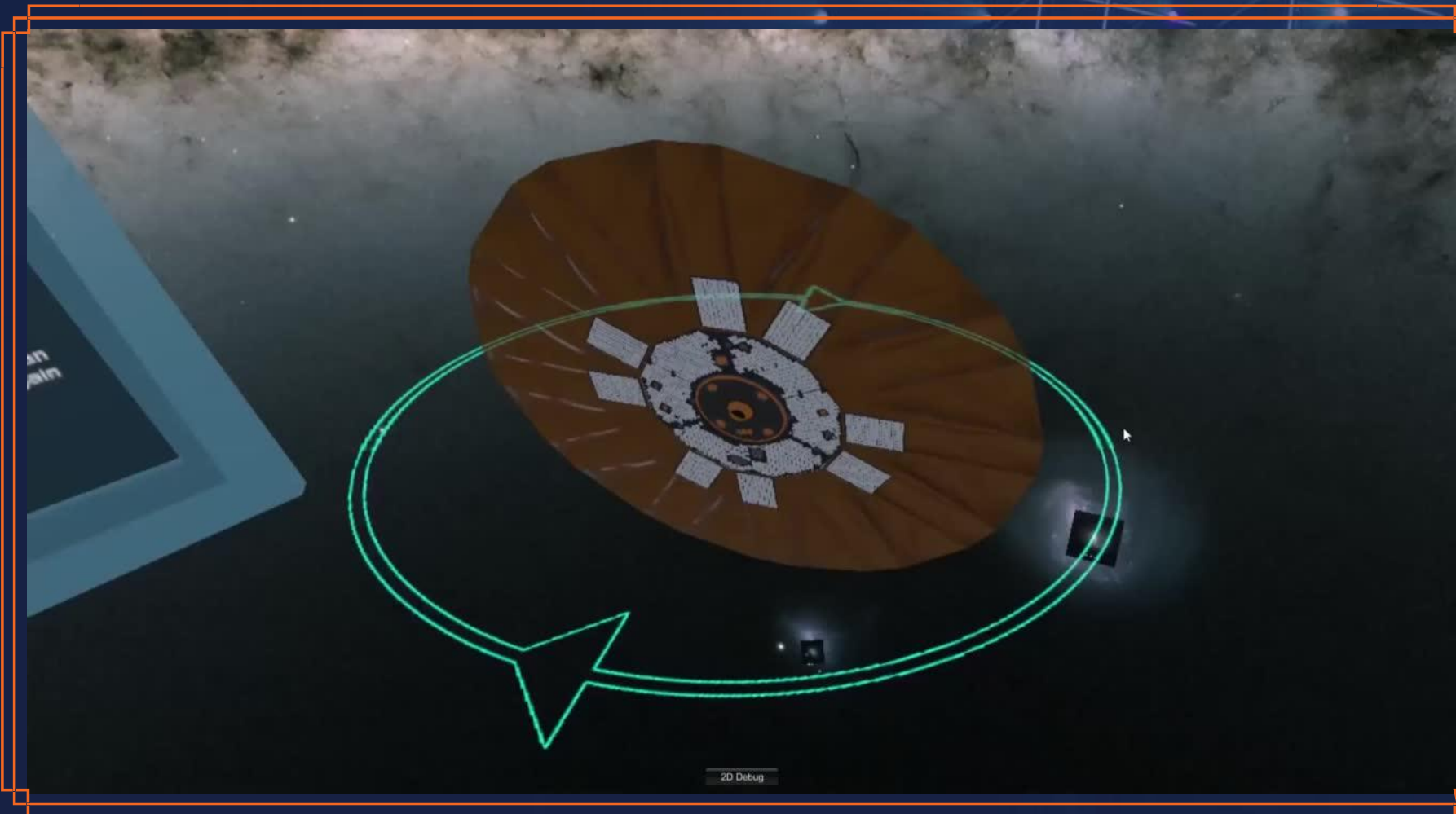
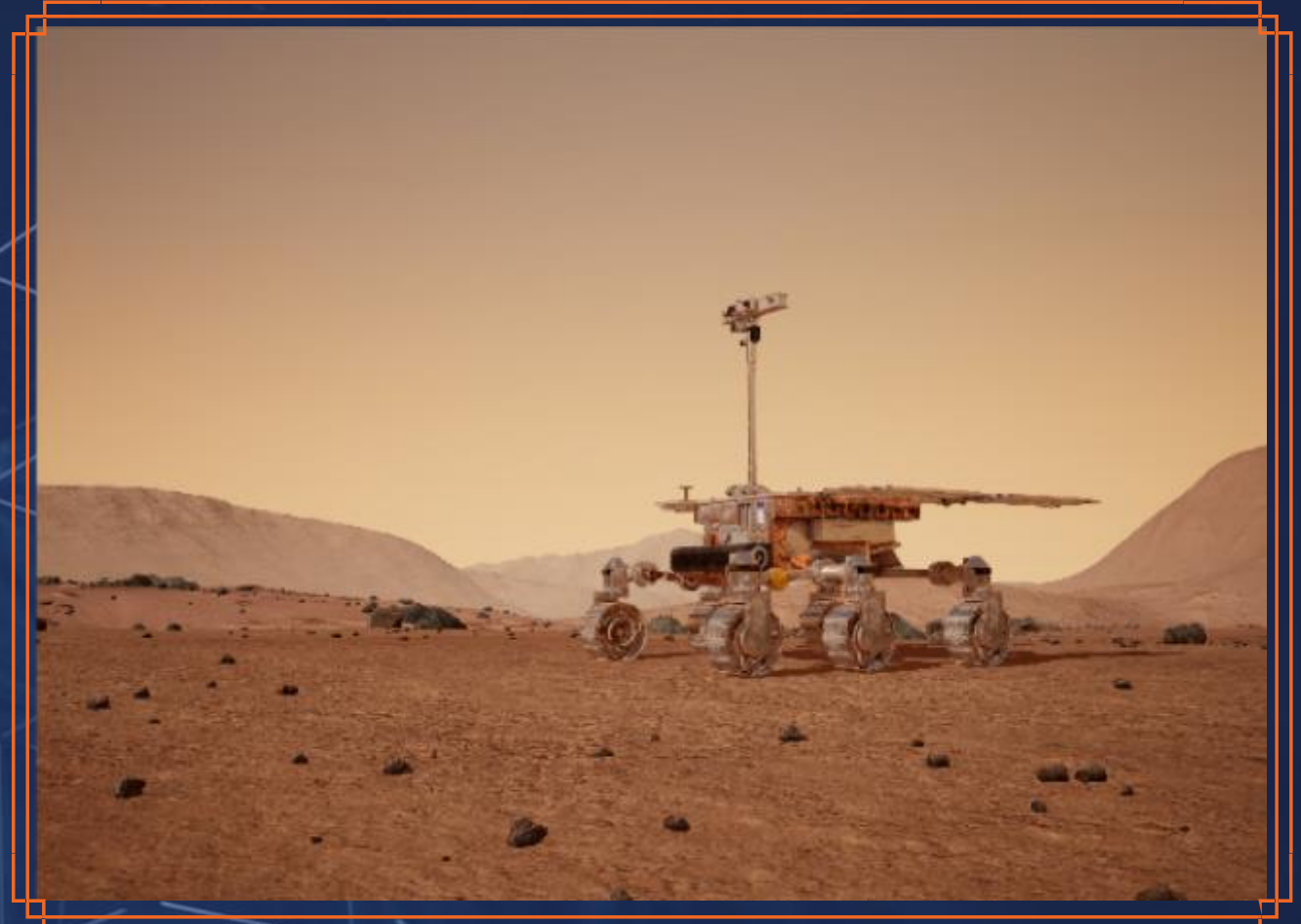


Outreach and communication



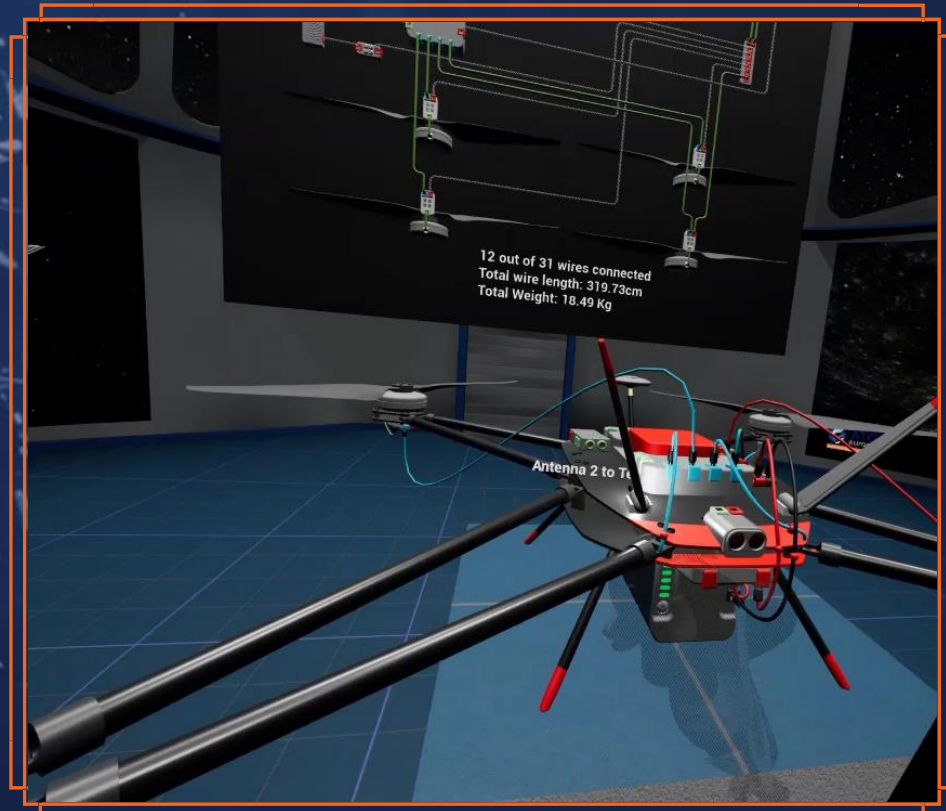
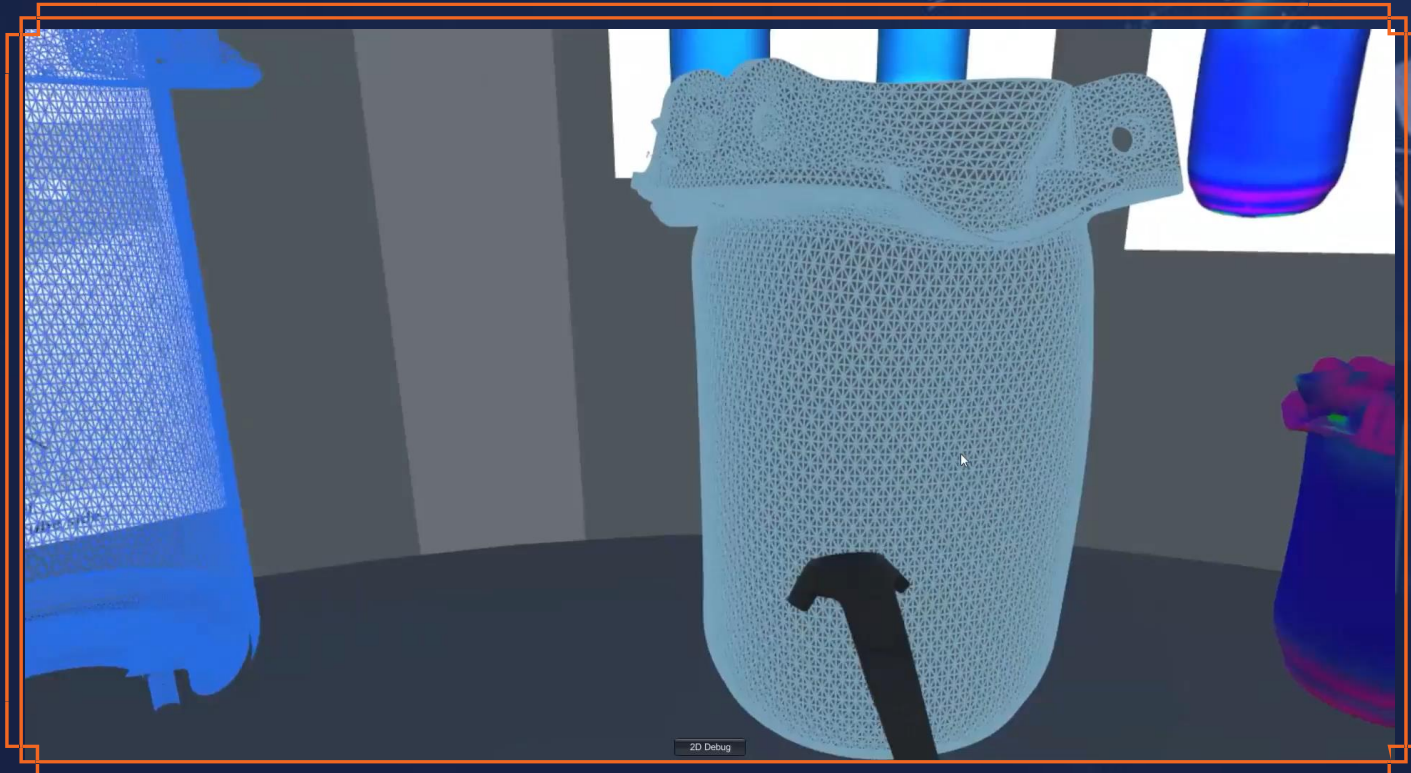
Engineering

VR for outreach and communication



VR for engineering

- Engineering
- Assembly and integration
- Cabling and harnessing
- Full Satellite Design state reviewing tool in VR
- Virtual reporting
- Virtual reviews
- VR Concurrent Engineering
- Creation of model-based communication tools in VR



Augmented Reality



AR as a service

Augmented Reality as a service

ATG Europe BV
Huygensstraat 34, 2201 DK Noordwijk

- > Ga de Provincialeweg/N206 op vanaf de 's-Gravendijkseweg
2 min. (1,2 km)
- ⬆ Voeg in op de Provincialeweg/de N206
3 min. (3,3 km)
- > Ga de ...
17 min
- > Ga ve ...
naar ...
Albra ...
Zuid/ ...
27 min
- > Ga ve ...
Waal ...
Direct ...
6 min



Hogescho ...
RDM-kade ...

Huygensstraat
richting Eisingastraat

Daarna ↶

Step	Part Reference	Description	Check	Peer Review
19.	2x ISIS.QPACK.3.2.000 2x TS10107R 2x TS10107L 4x ISIS.QPACK.1.2.008 4x ISIS.QPACK.1.2.013	Gather the component listed in the tab "Part Reference". Make sure they are clean and check if there are any particles left on it.	<input type="checkbox"/>	Initials: Date:
20.	Cutting pliers	Cut the 4 springs to size according to Figure 8-1: Step 5. Leave 14mm at each end of the spring.	<input type="checkbox"/>	
21.		Installation of door #2 on location 2 as seen on Figure 8-1: Step 6 Place the Door Springs (1x TS101070R and 1x TS10107L) in the dedicated holes of the Door assembly (ISIS.QPACK.3.2.000) as seen on Figure 8-1: Step 6	<input type="checkbox"/>	
22.		Position the Door Assembly (ISIS.QPACK.3.2.000) carefully in its slot and insert the other end of the springs in the dedicated holes in the Door Holder (ISIS.QPACK.1.2.012) as seen on Figure 8-1: Step 7	<input type="checkbox"/>	
23.		Insert the 2 Door Hinge Axis (ISIS.QPACK.1.2.013) until it is flush with the Door Holder hole as seen on Figure 8-1: Step 8. Then lock the Door Hinge Axis in place by inserting the 2 Door Hinge Axis Screws (ISIS.QPACK.1.2.008) Tighten these screws "Hand-Tight". Do not apply too much torque	<input type="checkbox"/>	
24.		Repeat step 6 to 8 in order to install door #3 on location 3 as seen on Figure 8-1: Step 3	<input type="checkbox"/>	

Notes/Deviations



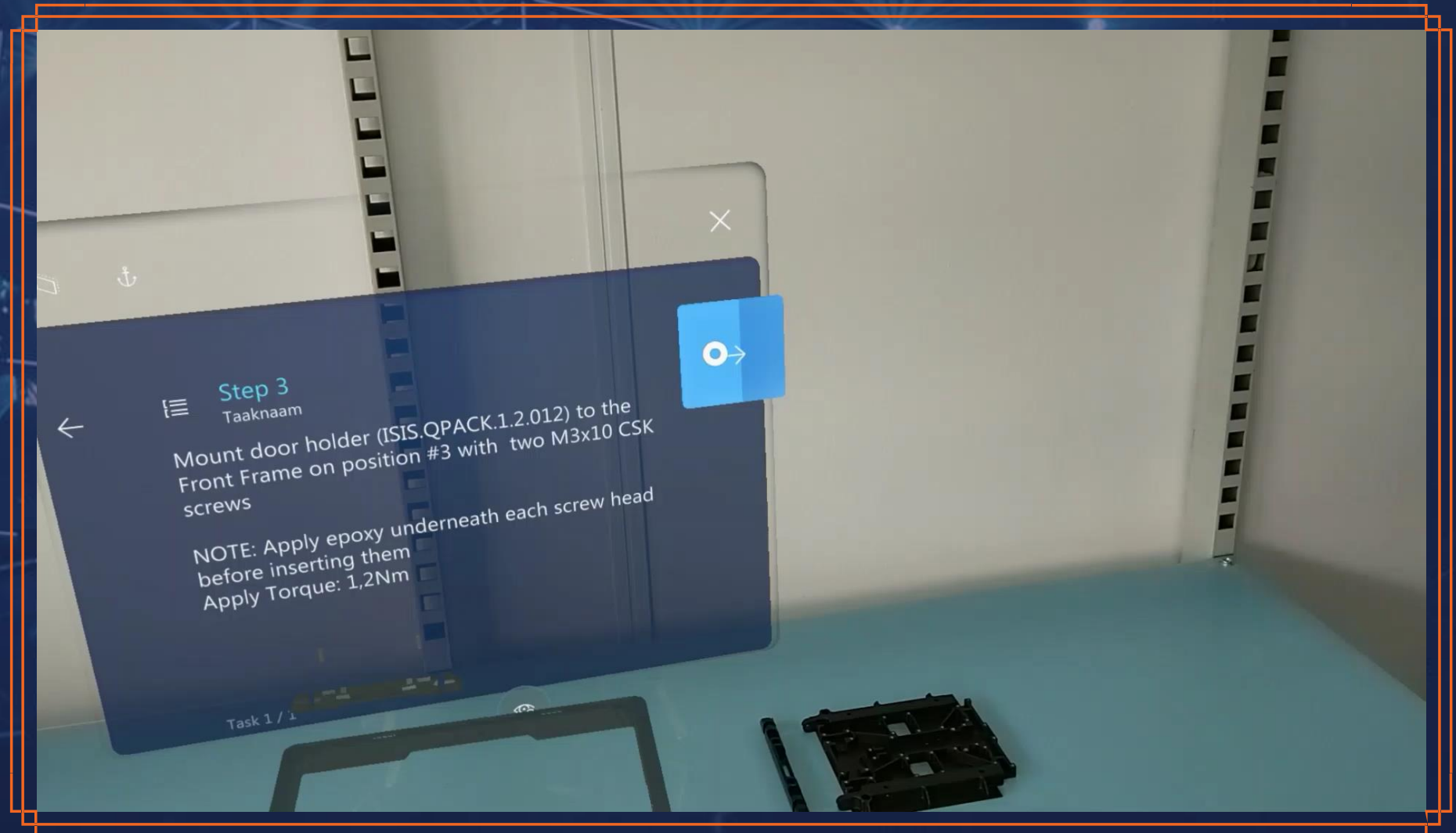

Step 6
Taskman

Place the door springs (1x TS101070R and 1x TS10107L) carefully in its slot above the screws in holder #2 and insert the other end of the springs in the dedicated holes in the door.
Secure the assembly with 4x ISIS.QPACK.1.2.013 long holder hole

Augmented Reality as a service

Providing integrated solutions on

- Automation and optimisation of Assembly and Integration and Quality processes
- Digital "hands free" instructions
- Dedicated database of models or coupled to integrate with PLM
- Computer-vision based or manual selection
- Remote assistance
- HoloLens 2 or tablet based



CONTACT US

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alberto.donadoni@atg-europe.com

Thank you

