



EON-XR 9.0 Features Part 4

**More Basic Features: PBR Real Time Reflections
AR Life Size 1:1, XR Environments and Browse Lessons**

Watch the presentation with videos

[CLICK HERE](#)

EON-XR Features & Functionality

LEARNING

PLATFORM

•CLOUD-BASED: Develop, Run, Manage, Access, Store, Host & Distribute XR

•AGNOSTIC: Support for 30+ devices across Mob VR/AR(android, IOS), Desktop, HMD (Oculus Rift S, HTC Vive), AR device (Magic leap, HoloLens)

ASSETS & LIBRARY

•VAST ASSET LIBRARY: Access to more than 1 million 3D models and 360°
•UPLOAD OWN 3D/360 ASSETS: CAD /PLM/Scan model, BIM etc.

CONTENT CREATION

•CREATE & SHARE 3D & 360 APPS: Easy, Do it yourself; Intuitive, No programming based

- Create3D/360 annotation
- Memos
- Videos
- Explode
- Transparency
- Identify
- Locate
- Quiz
- Environments - 3D playback
- Breadcrumbs
- Physics
- Animation
- If/then programming

•3D RECORDING TOOL: Multiple 3D recording for Standard Operation Procedure or guidance
•SEARCH ASSISTED APPLICATION CREATION: Faster & easier to create rich XR content SERP

CONTENT EXPERIENCE

- EXPERIENTIAL LEARNING: Guided and Do it yourself mode
- EXPERIENCE 3D & 360 LESSONS
- OFFLINE MODE: Download applications to your Own device
- LIFE SIZE AR: Enables exploration and interaction with large environments scale 1 to 1, AR marker less
- DIGITAL TWIN: Side by side or superimposed AR Instructions
- OFFLINE MODE

REMOTE & MULTIUSER

- REMOTE ONLINE XR: Groups interact virtually online with no risk of physical exposure
- MULTI-USER SESSIONS: One-to-many Trainer to Trainee Learning Modules

ADMIN

•INSTITUTION: In a private institution, students & teachers share access to the same group, content library, and share data & interactions. A one-time setup fee is also required

- PUBLIC OR PRIVATE: Determine who can share, access distribute & assign to groups XR Apps, 3D/360 libraries
- USER MANAGEMENT: Assessment, Analytics User Profiles, Login, LMS Integration
- CONTENT MANAGEMENT: Integration with LMS, IoT, AI & CMS
- ASSIGN & DISTRIBUTE LESSONS

•3D ASSESSMENT TOOL: Virtual assessment track & assess user performance with final score report

•TRACK & ASSESS STUDENT PERFORMANCE

TRAIN

•TRAINING MODULE: Procedure Practice, Remote Training, Virtual Certification

- 3D recording
- 3D playback
- 3D assessment
- Remote AR
- LMS environment
- Voice
- Avatar
- Breadcrumbs - name and identif

•MULTI-USER: Support For 1-1 Or 1-Many Training

•MULTI-PLATFORM: Cross Platform VR Training

•INTEGRATED COMMUNICATION: Voice over IP built in

•GUIDANCE AND ASSESSMENT: Step-by-step instructions for task completion and integrated assessment

•VIRTUAL PROCEDURE ASSESSMENT

•SEARCH ASSISTED LESSON CREATION

•HOST MULTI-USER REMOTE SESSIONS

•ASSIGN & DISTRIBUTE LESSONS

•TRACK & ASSESS STUDENT PERFORMANCE

•EXPERIENCE 3D & 360 LESSONS

PERFORM

•PERFORMANCE MODULE: AR Assist MRO, Remote Expert Assist, RT Data Display

- Persistent tracking
- Scanning 3D/360
- Automatic annotation
- AI Google Glass
- Memo text-to -speech, voice-to-text scraping
- Multi-user breadcrumbs - AR and real objects with symbols
- Video real time remote
- 3D (?) map
- Standard operation procedure sequence IoT and sensors

•MULTI-USER: Support for operation manager and multiple workers

•MULTI-PLATFORM: Users (Phones, Tablets, Wearables)

•KNOWLEDGE MARKERS: AR Anchor Point Placement and Annotated with text, voice, video, 3D data

EON-XR 9.0 VIDEO FEATURE LIST

Lesson Playlack	<u>Lesson Link (3D)</u>	<u>Mobile Touch</u>	<u>Mobile AR</u>	<u>Mobile VR</u>	<u>Quest</u>	<u>Lesson Link (360)</u>	<u>Mobile 360 Touch</u>	<u>Mobile 360 VR</u>
<u>Basic Features</u>								
Log in	N/A	Log In Touch	N/A	N/A	Log In Quest			
Offline	N/A	Offline	N/A	N/A	N/A			
Annotations	Mir space station	Annotations Touch	Annotations AR	Annotations VR	Annotations Quest	Organic Farming	Annotations 360 Touch	JAN
Explode	Honda Civic K20A1 engine	Explode Touch	Explode AR	Explode VR	Explode Quest	N/A	N/A	N/A
Transparency	Old Car	Transparency Touch	Transparency AR	Transparency VR	Transparency Quest	N/A	N/A	N/A
Slicing Plane	Pod Blender	NO	NO	N/A	Slice Plane Quest		N/A	
Disassemble & Snap	Vintage Phone	Disassemble Touch	Disassemble & Snap	NO	Disassemble Quest	N/A	N/A	N/A
Real Time Shadows	Power Generator	Shadows Touch	Real Time Shadows	Shadows VR	NO	N/A	N/A	N/A
PBR - Visual Quality	Pipe	PBR-Visual Quality Touch	PBR - Visual Quality AR	PBR-Visual Quality VR	PBR Visual Quality Quest	N/A	N/A	N/A
PBR - Real Time Reflection	Chemical container	Reflections Touch	Real Time Reflections AR	Real Time Reflections VR	Reflections Quest	N/A	N/A	N/A
Life Size 1 to 1	Industrial steam boiler	N/A	Life Size 1 to 1	N/A	N/A	N/A	N/A	N/A
Environments	Moonbase Alpha	NO	Environment AR	NO	Environments Quest	N/A	N/A	N/A
Screen recording	Dev In progress	Dev In progress	Dev In progress	Dev In progress	N/A	Dev In progress	Dev In progress	Dev In progress
Share Lesson	Fractional Distillation	Share Lesson Touch	N/A	N/A	NO			
Browse Lessons	N/A	Browse Lessons Touch	N/A	N/A	Browse Lessons Quest			
Browse Assets	N/A	Browse 3D Assets	N/A	N/A	N/A			
Language Localization	N/A	Language Touch	N/A	N/A	N/A	N/A	N/A	N/A
3D/360 Navigation	Helicopter Cockpit	Navigation Touch	Navigation AR	Navigation VR	Navigation Quest			
Display Mode Switch (AR/VR)	Mantis	Display Mode Switch	N/A	N/A	N/A			
My Workspace	N/A	My Workspace	N/A	N/A	NO			
Lens Separation	Cell Membrane	N/A	N/A	Lens Separation VR	N/A		N/A	Lens Separation 360 VR
Lesson Interaction	Skull Structure	Lesson Interaction Touch	Lesson Interaction AR		Lesson Interaction Quest	Haji - Islamic Pilgrimage to Mecca	Lesson Interaction 360 Touch	
<u>Edit Basic Features</u>								
Edit/Add Annotations	La Charite	Edit/Add Annotations Touch	NO	NO	NO			
Move Annotations	Old Car	Move Annotations Touch	NO	NO	NO			
<u>User Created Features</u>								
Memos (Audio - Text To Speech)	N/A	Dev In progress	Dev In progress	Dev In progress	Dev In progress	Coming in 9.1 or 9.2		
Captioning from Text To Speech	Coming in 9.1 or 9.2	Coming in 9.1 or 9.2	Coming in 9.1 or 9.2	Coming in 9.1 or 9.2	Coming in 9.1 or 9.2	Coming in 9.1 or 9.2	Coming in 9.1 or 9.2	Coming in 9.1 or 9.2
Videos	Tyranosaurus Skull	Video Touch	Video AR	N/A	Video Quest			
360 videos (to 3D lesson)		Dev In progress	Dev In progress	Dev In progress	NO			
Animation	Bicycle	Animation Touch	Animation AR	N/A	NO	N/A	N/A	N/A
Identify		Dev In progress	Dev In progress	Dev In progress	NO	N/A	N/A	N/A
Locate		Dev In progress	Dev In progress	Dev In progress	NO	N/A	N/A	N/A
Quiz	Human Eye Basic Anatomy	Quiz Touch	Quiz AR	NO	NO	N/A	N/A	N/A
3D Recording Playback	Perseverance	3D Recording Touch	3D Recording AR	NO	3D Recording Quest	N/A	N/A	N/A
3D Assessment		Dev In progress	Dev In progress	Dev In progress	NO	N/A	N/A	N/A
<u>Multi-User</u>								
Voice Over IP (VOIP)	Dev In progress	Dev In progress	Dev In progress	Dev In progress	NO		NO	
Interaction synchronization	Dev In progress	Dev In progress	Dev In progress	Dev In progress	NO		NO	

A person wearing AR glasses is shown in profile, looking towards the right. The image is overlaid with a semi-transparent red filter. The person's hand is visible, appearing to interact with a virtual interface. The background is a blurred grid pattern.

PBR - Real Time Reflections

PBR - Real Time Reflections



A person wearing AR glasses is shown in profile, looking towards the right. The background is a wall covered in numerous sticky notes, suggesting a collaborative workspace or a design studio. The overall image has a dark, monochromatic color scheme with a blue-to-purple gradient.

AR Life Size 1:1

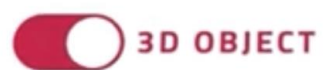
AR Life Size 1:1





XR Environments

Library [?]



✓ ALL CATEGORIES

Sort by: ★ Editor's Choice

K12 SECONDARY
EDUCATION



HIGHER EDUCATION



TVET & CTE



AEROSPACE &
TRANSPORTATION



STRUCTURE OF AC



OBJECTS THAT ORBIT THE



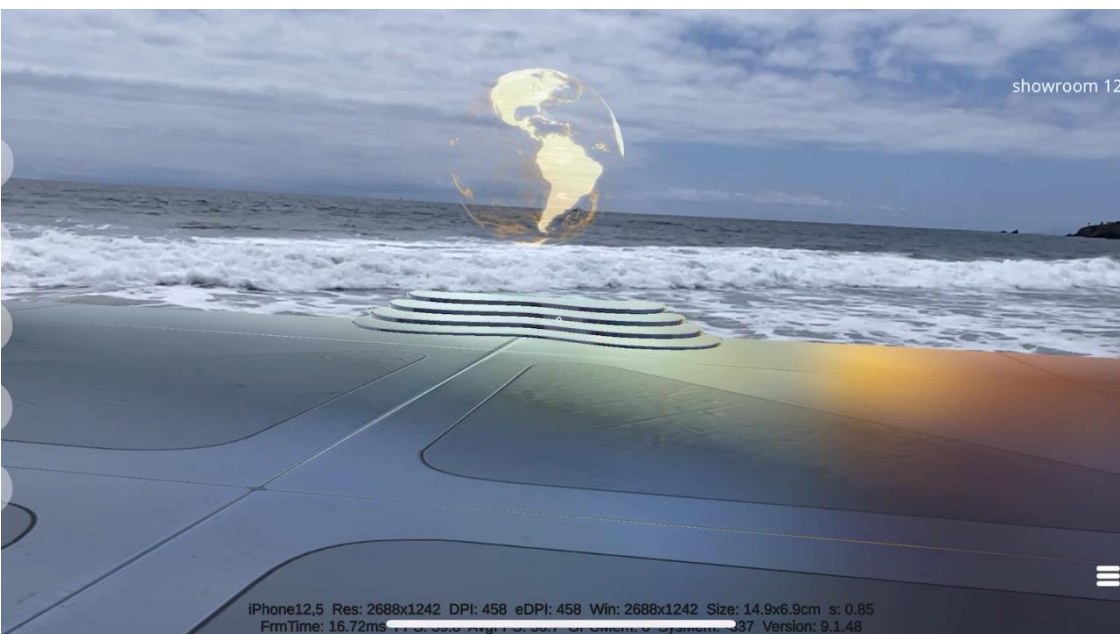
BIOSPHERE - THE DOMAIN



Mobile AR Walkthrough Scale 1:1



Life-size 1:1 AR 3D Environments Indoors, Patio and Out





-PHYSICAL BASED RENDERING PREVIEW (26)



MECHANICAL PIPE



INDUSTRIAL STEAM BOILER



ITALIAN KITCHEN



JET ENGINE



KATANA



LEICA M3

AGRICULTURE, FOOD & NATURAL RESOURCES (7)



ENGLISH HARDWOOD MUSHROOMS



GERMINATION



MUSHROOM POISONING SYNDROMES



MUSHROOMS ANATOMY PART 1



MUSHROOMS ANATOMY PART 2



MUSHROOM

AEROSPACE (69)



3D ASSESSMENT - TURBOFAN ENGINE



55 TIMES ITS DESIGNED LIFESPAN OPPORTUNITY ...



A FAILED MISSION TO MARS MOON



ADVERSE YAW



AIRBUS A320NEO



AIRBUS A320neo LANDING /

3D Environments – Hospital Room



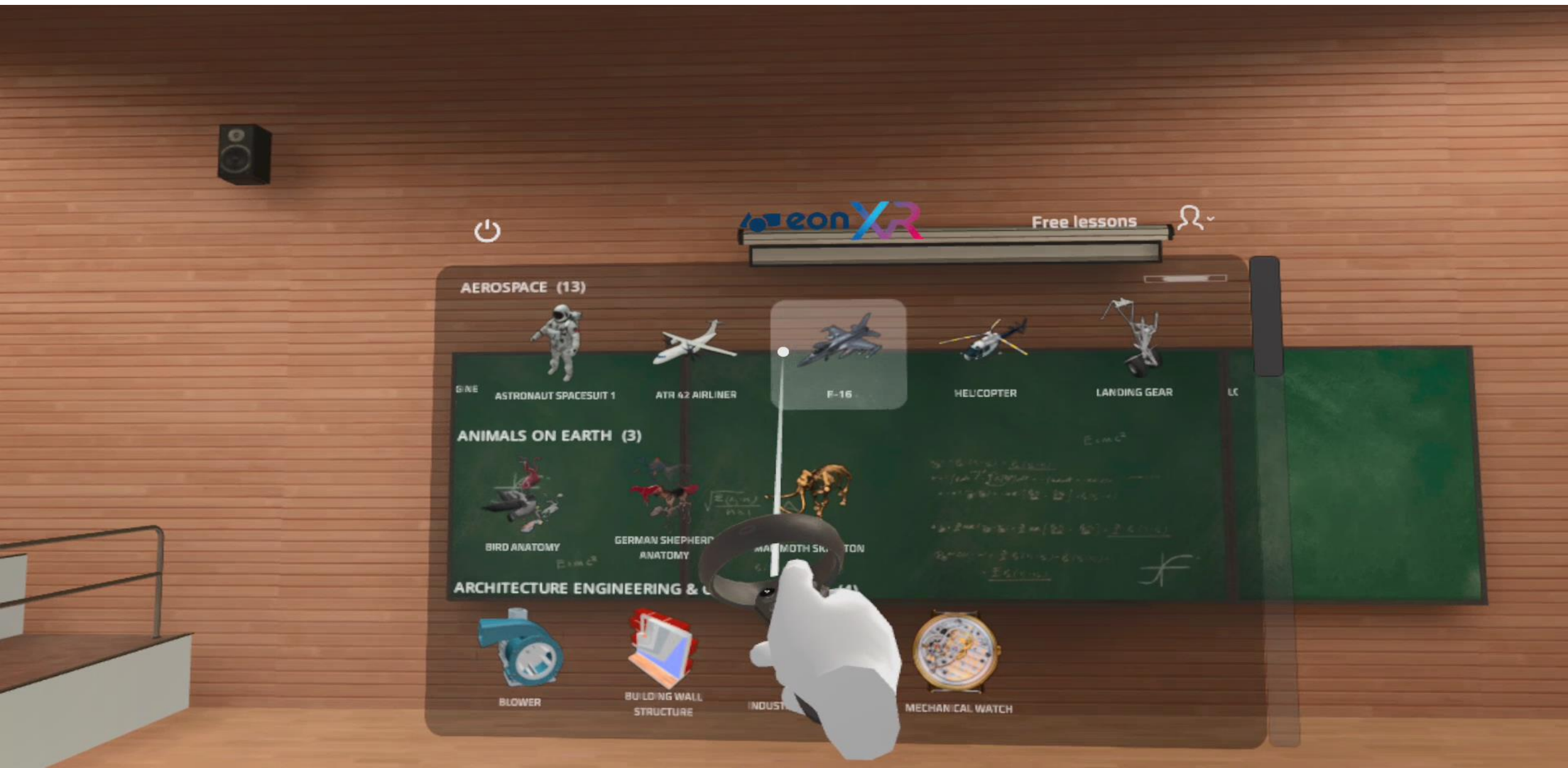
Changing Environments



Environment - Physically Based Rendering - PBR



Classroom Environment with Multiple Lessons



A person wearing AR glasses is shown in profile, looking towards the right. The background is a wall covered in numerous sticky notes, suggesting a learning or research environment. The image has a dark, monochromatic color scheme with a blue-to-purple gradient.

Browse Lessons

Browse Lessons

