D1 Studios

OUR SERVICES

Virtual Production XR Stage
Via virtual LED, green screen, real-time rendering, camera tracking, 360 3D.

Digital Doubles/ Virtual Actors
3D scan, motion-capture, AI, deep learning.

Performance Capture Arena
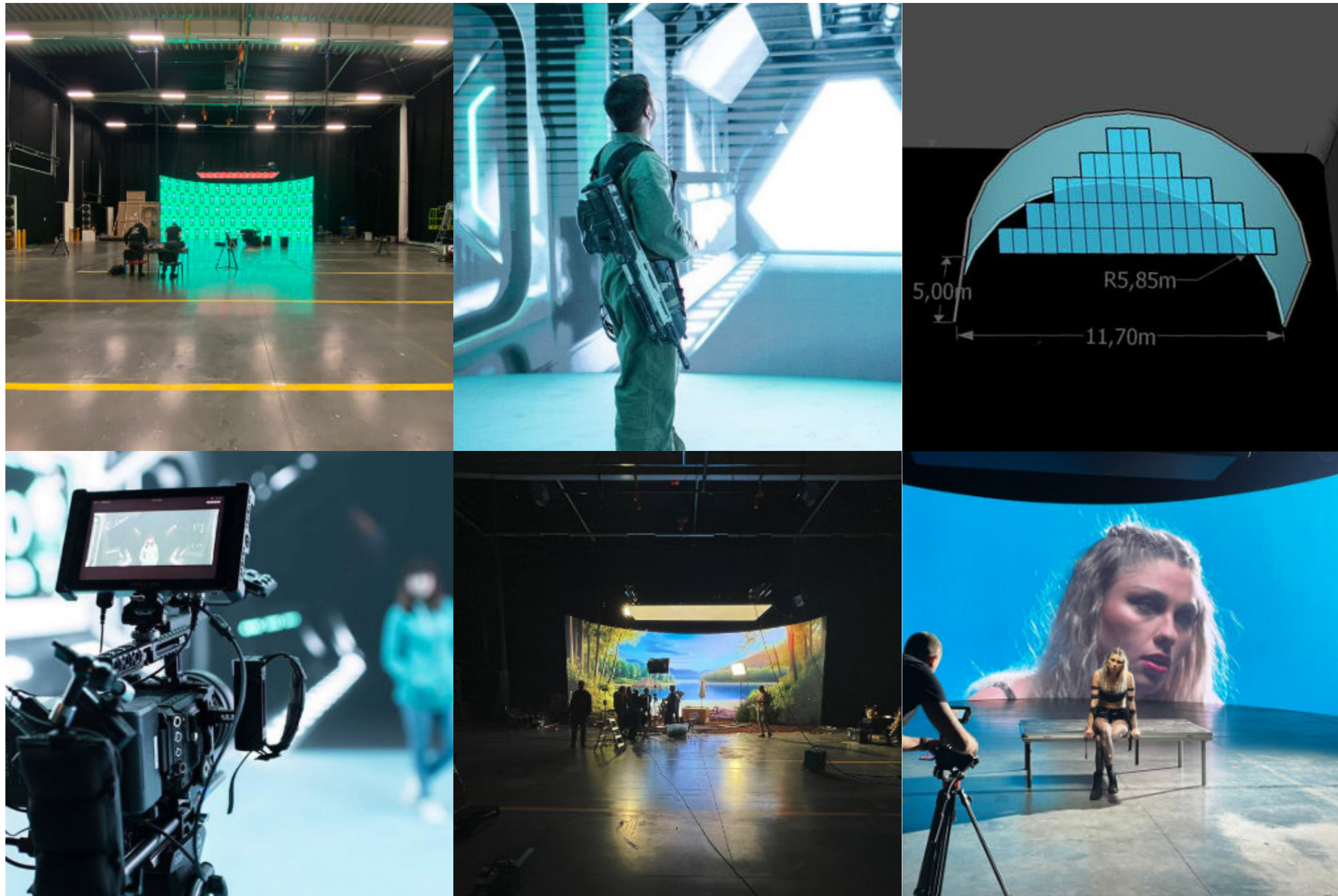Performance capture i.e. full body, hands, face, props, and camera tracking.

xR Previsualization / Digital Twins
VFX, VR applications, VR/AR live streaming, Metaverse events, interactive simulation

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Virtual Production
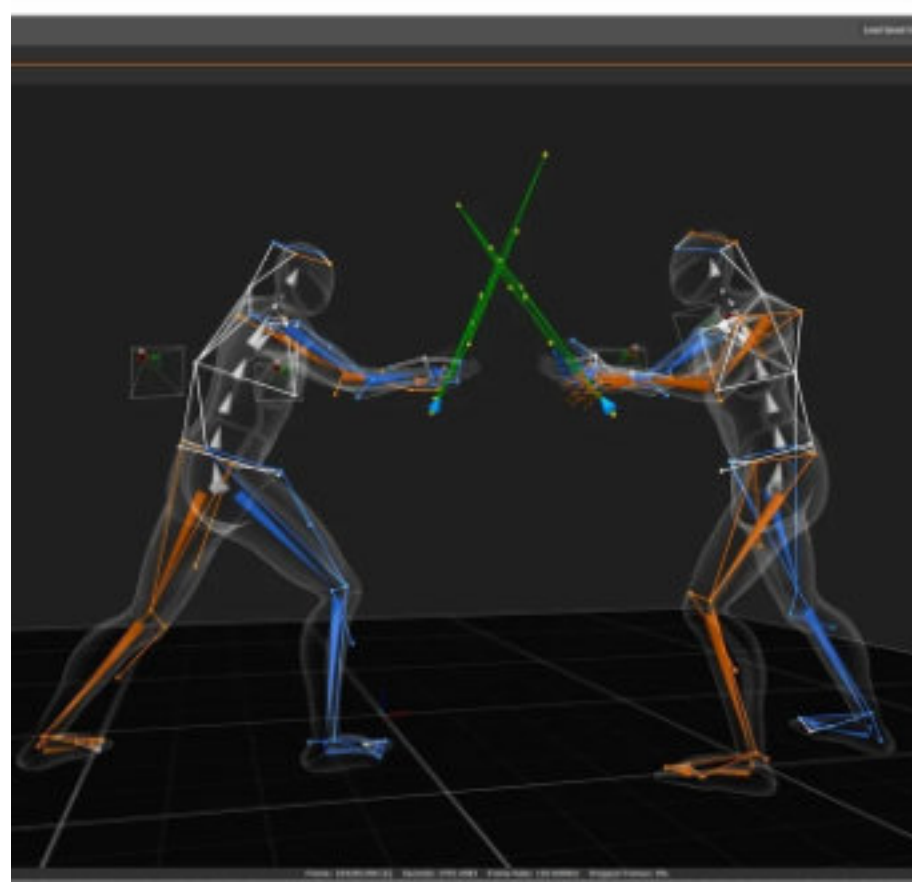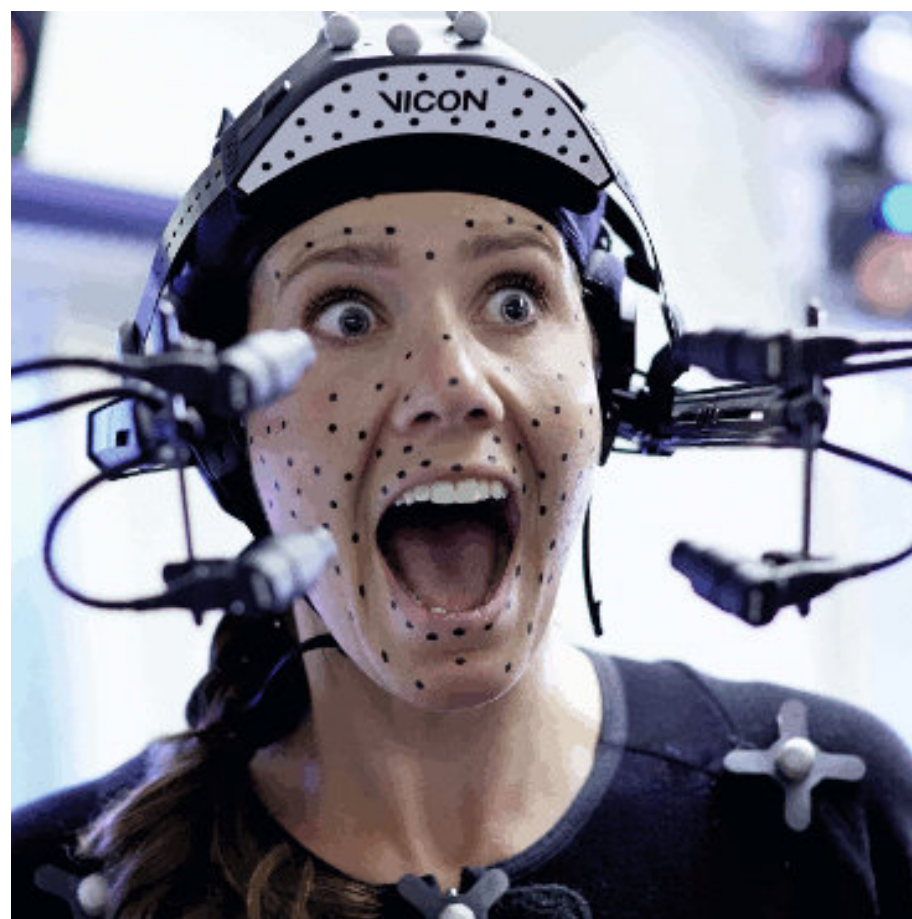
Modern solutions for filming in a virtual environment, combining **LED walls, camera tracking,** and an optional **green screen.** This system enables **real-time** rendering of scenes, **interactive lighting conditions,** and the natural integration of **actors into digital environments** without the need for additional CGI compositing.

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DIGITAL DOUBLES

Digital Doubles and **Virtual Actors** are revolutionizing the film, gaming, and advertising industries. Thanks to advanced **3D scanning, motion capture,** and **AI,** filmmakers can utilize digital replicas of real actors or even create entirely new virtual characters that appear realistic and can perform alongside live actors.

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CAPTURE ARENA

Vicon motion capturing technology integrated into our workflow to record the **full-body movements** of a motion capture actor directly on set. Making it possible to fill our virtual environment with expressive digital characters in real-time.

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YOUR VISION
OUR VIRTUAL REALITY

D1 Studios, is a body of artists and technicians brought together by their desire to evolve the creative process through technological innovation. We are pioneers of virtual production processes that streamline content production and fundamentally push creative boundaries.

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PREVISUALIZATION

Extended Reality Previs

Augmented Reality (AR)

Virtual Reality (VR)

Mixed Reality (MR)

Interactive planning

Simulation scenes

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SPECIAL SERVICES

VR/360/180 high-end 12K+ shooting

Virtual Environments and props

3D location scanning

3D face/body scanning

3D printing

Motion Capture

Digital Twins

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STUDIO CAPABILITIES

Studio: Floor space 29m x 27m, 11m height, secure prep rooms inside the studio, makeup, catering, offices.....

LED wall: P2.6 1000nits, curves inward 180°, 12m diameter (18m x 6m), movable ceiling, dimensions can be extended depending on technical needs.
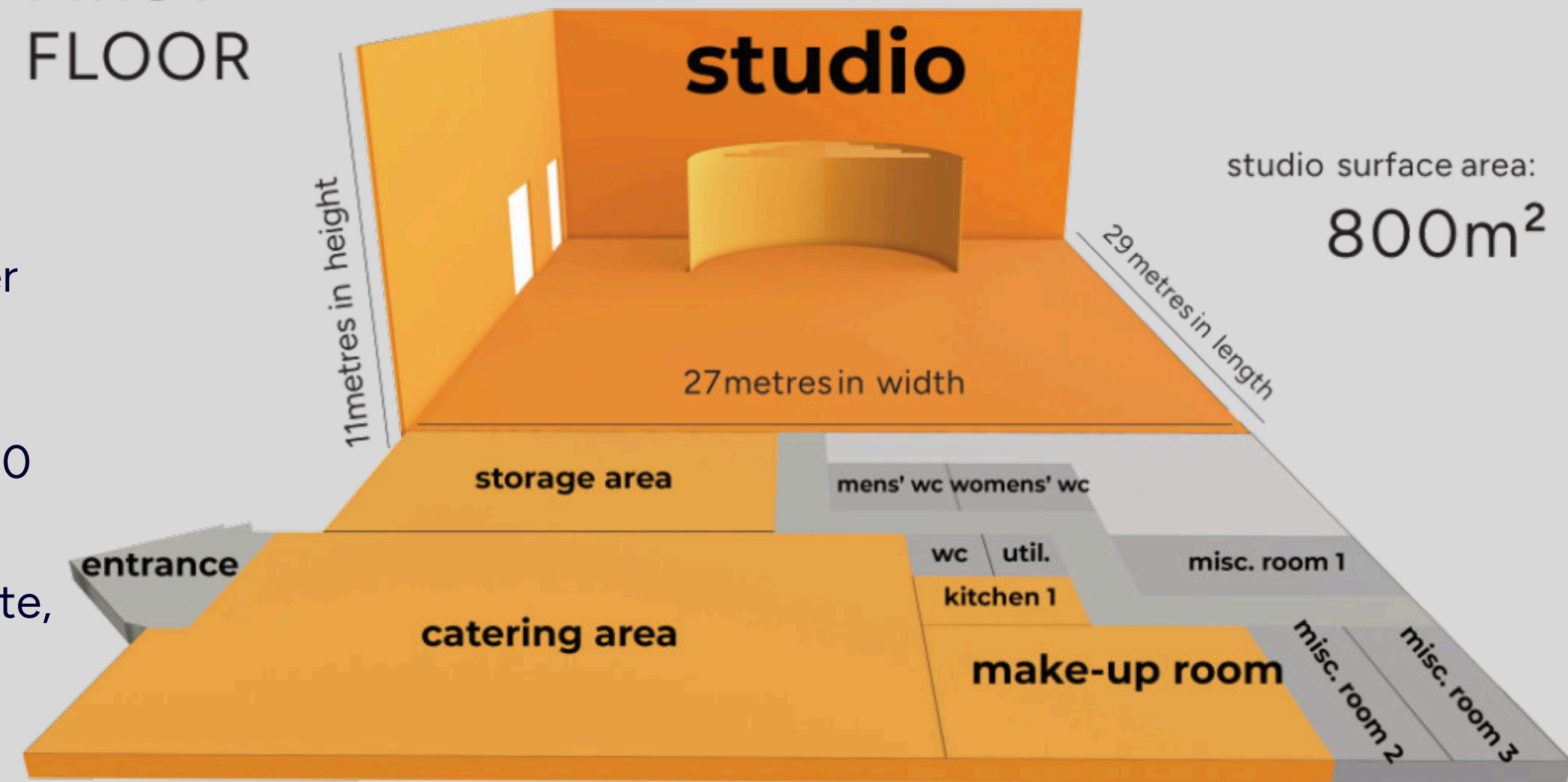
3D rendering: AMD-NVIDIA Render Cluster with RTX 6000 ADA GPUs.

Editing + Playback: Unreal Engine, Chaos V-Ray, Assimilate, Resolume Arena, DaVinci resolve, realtime color grading with Tangent Element control panel, Genlock & TC sync.

Tracking, MoCap: full body motion tracking, Vicon Shogun+Evoke software, Vicon SuperNova, ,Vicon tracking cameras, Vicon Lock sync system, GPOsync.

3D scan: Photogrammetry rig scanner and Artec scanner. Scans of body, head, hand, weapon. Retopo models of head, hand.

FIRST FLOOR

studio

studio surface area:
800m²

11metres in height

29 metres in length

27 metres in width

storage area

mens' wc womens' wc

entrance

wc util.

misc. room 1

kitchen 1

catering area

make-up room

misc. room 2

misc. room 3

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CONTACT

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