



**MVXR**<sup>®</sup>

A Division of

**MOOV**<sup>®</sup>

**TRISPLAY**  
REALITY MULTIPLIED

Broadcast Anywhere  
**Timeline**<sup>TV</sup>



## MVXR<sup>®</sup>

LED Virtual Production & XR

Virtual Studio & AR

Concept & Pre-Production

Unreal Engine & Scene Control

Realtime Creative Content

Turn Key Studio Production

Ghostframe<sup>®</sup> Multiple Realities

Camera Tracking





## LED Virtual Production & XR

Fully connected and flexible 2500 & 3500 sq ft studios at Ealing Broadcast Centre

### LED Volume

ROE BP2v2  
 Pixel Pitch: 2.83mm  
 Screen Size: 7.5 x 3.5 meters (configurable)  
 Resolution: 2,640 x 1,232 pixels (configurable)

### GhostFrame®

Up to 8 hidden video inputs  
 Multiple invisible tracking patterns  
 and chroma keys

### Processor

Helios LED processing

### Tracking

Mo-sys StarTracker

### Realtime Rendering

Brainstorm  
 Pixotope  
 Unreal Engine 5  
 Assimilate

## GhostFrame®

GhostFrame® makes the impossible possible: LED screen with Green Screen, Hidden Tracking, and Multiple Sources. GhostFrame works by displaying more than just the video feed on the LED panel. This magic makes it possible for professional cameras to capture one or more sets of images while the naked eye only sees one.

The GhostFrame® technology is based on advanced nanosecond alignment of video subframes and the camera shutter. By controlling the LED panels subframe output, cameras can align the shutter angle and capture the desired moment in time within a frame.

### Green Screen

GhostFrame® adds a full chroma frame in your video feed, which enables real-time post-production

### Hidden Tracking

Requires zero installation time through the absence of physical markers.

### Multisource

Adds up to eight different hidden video feeds, which can be captured individually by the camera.

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## Creative and Realtime

Virtual Studio projects with MOOV are free from technical barriers, allowing productions to make better content tell stories quicker. With a commitment to excellence and push boundaries in delivering exceptional quality, we continue to redefine the possibilities of live virtual experiences.

### Virtual Set Design

We can solely design or collaborate with set architects to deliver a seamless blend of live and virtual.

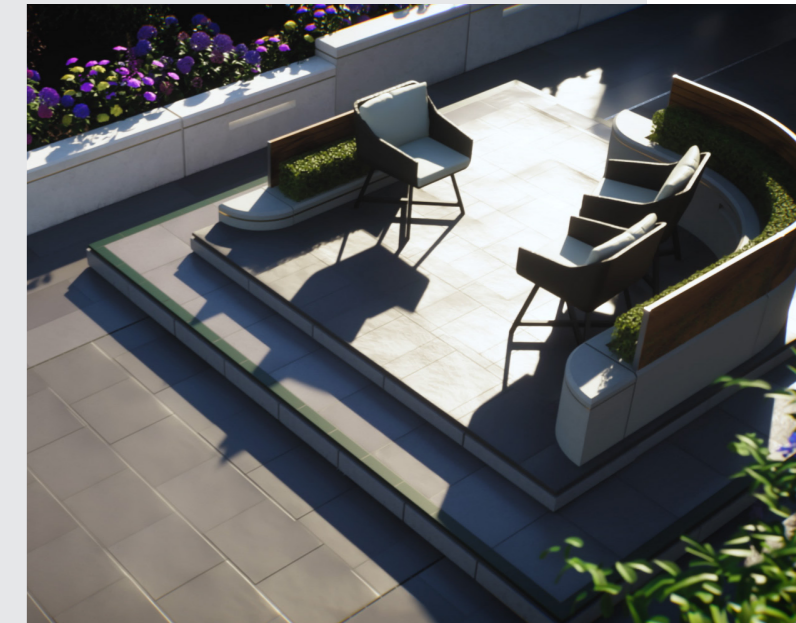
### Camera Tracking

Virtual camera tracking integration to enable smooth navigation through

virtual sets, ensuring that the camera movements align perfectly with the virtual elements.

### Virtual Studio Mapping

For studios who want to become virtual ready. We will install tracking stars on studio ceilings, creating 3D maps for augmented graphics, virtual studio, XR, and LED productions.



# Augmented Reality

AR Graphics is an art that MOOV have mastered to the highest level. We are able to provide a complete end-to-end solution, from design and animation, right through to camera tracking and real-time rendering.

## In Studio AR Graphics

AR graphics that are designed to interact within a live studio environment and enhance the overall production.

## Specialist AR Shots

For events with access to aerial views across cities, we skilfully integrate AR graphics around key venues or hover above stadiums, creating a unique

## Visual experience

AR Graphics with Real-Time Data  
AR graphics that are fully integrated with external data sources to show up to date league tables, match times, latest scores or player stats with ease.





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**Timeline** TV

## Ealing Broadcast Centre

### Studio Facilities:

Timeline's Ealing Broadcast Centre (EBC) is a state-of-the-art broadcast facility designed to cater for every aspect of your production. In addition to the studio hire you will have access to:

- Kitchen and refreshment facilities
- Spacious greenroom and breakout lounges
- Dressing room and hair and make-up suit
- Shower facilities
- Dedicated high-speed internet access

### Production Facilities

Timeline is equipped with large production galleries, VO booths and edit facilities that can be equipped with Avid Media Composer, Adobe Creative Cloud and Davinci Resolve. All suites are connected to shared storage.

### Ultimate Connectivity

Timeline's Ealing Broadcast Centre is connected to all major data networks, broadcast hubs and facility lines across the world, alongside satellite connectivity and mobile data servers, allowing you to remotely produce from anywhere in the world.



# Studio Plans

## Studio One

A flexible 2000 sq ft studio with a 4.5m high lighting grid and a fully configured multi-camera VR system.

Green Cyc for virtual studios or a black Cyc for physical sets.

## Studio Two

A flexible 3500 sq ft studio with a 4.5m high lighting grid and a fully configured multi-camera VR system.

LED Volume and black Cyc for physical sets.

## Studio Three

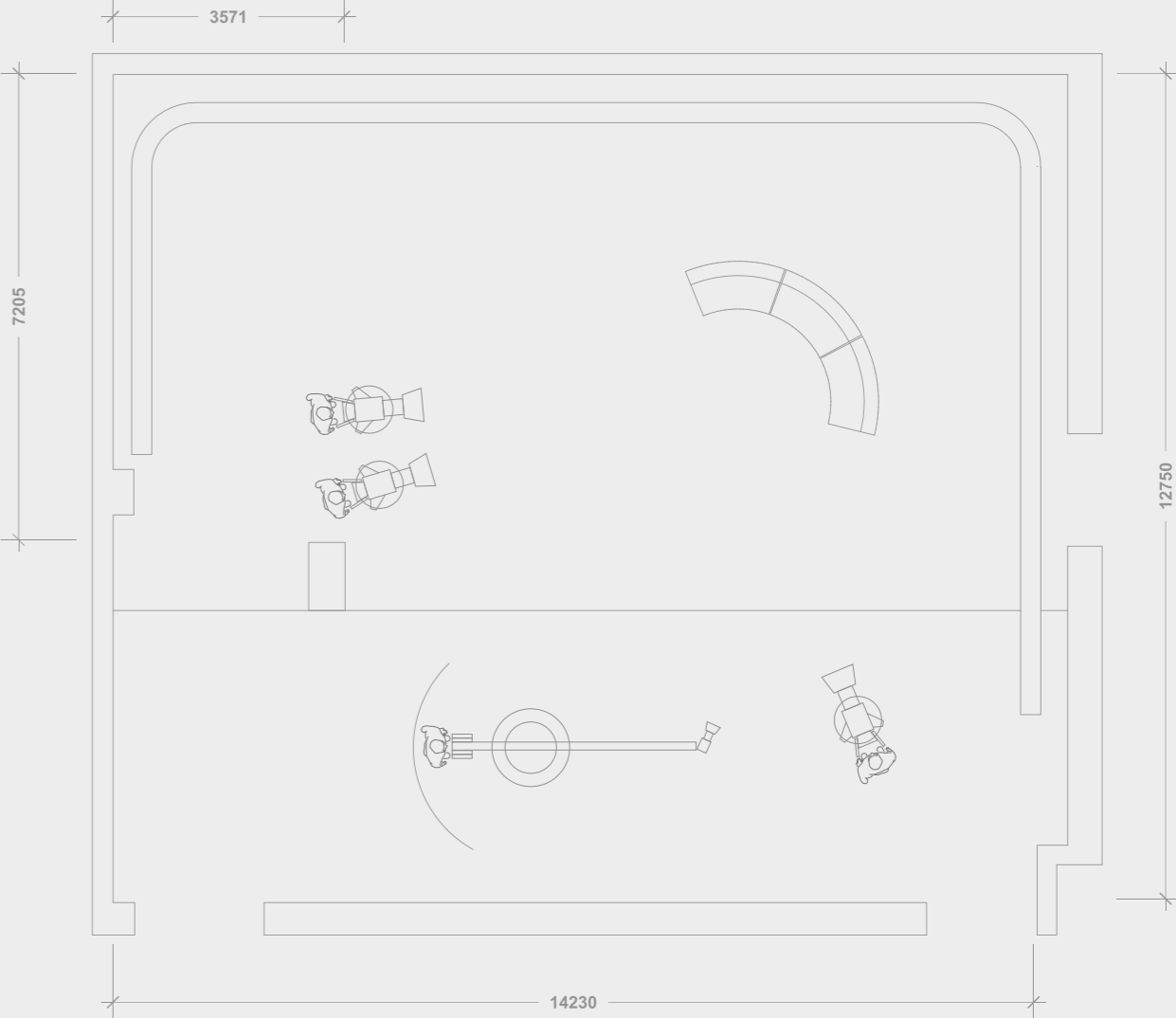
A 430 sq ft VR studio with a permanent Infinity Curve green screen.



# Studio One

H x 4.5m  
W x 14.23m  
L x 12.75m

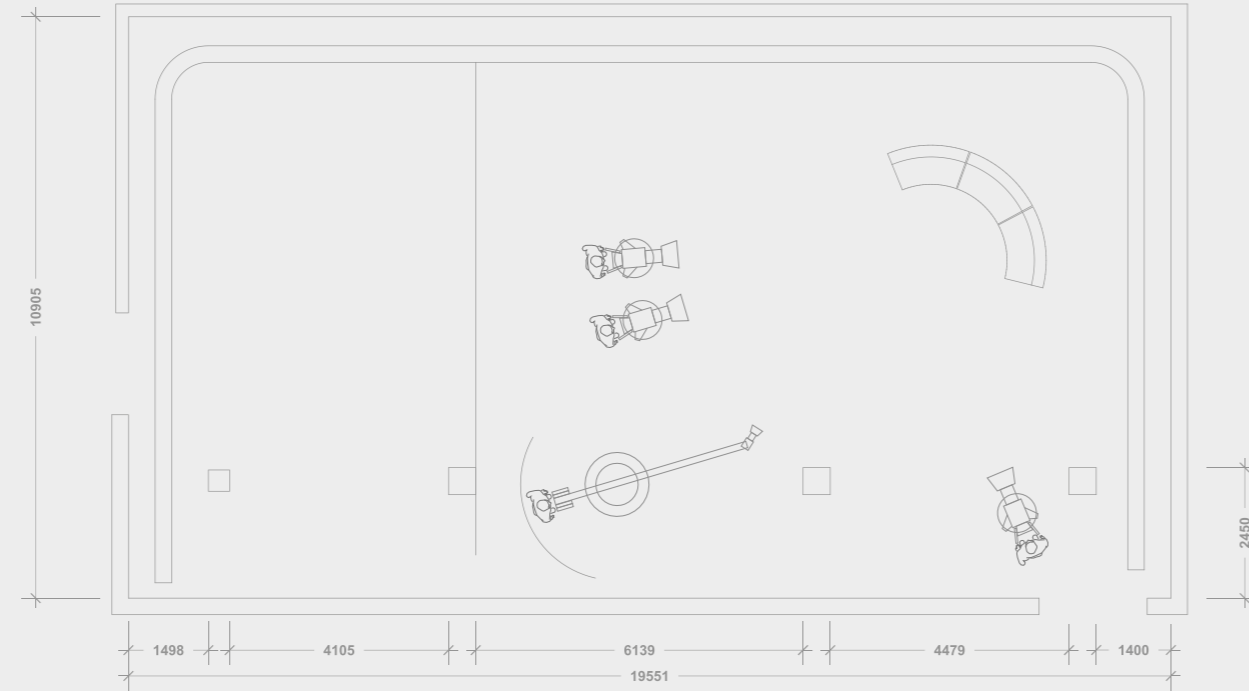
2000 sq ft



## Studio Two

H x 4.5m  
W x 19.55m  
L x 10.90m

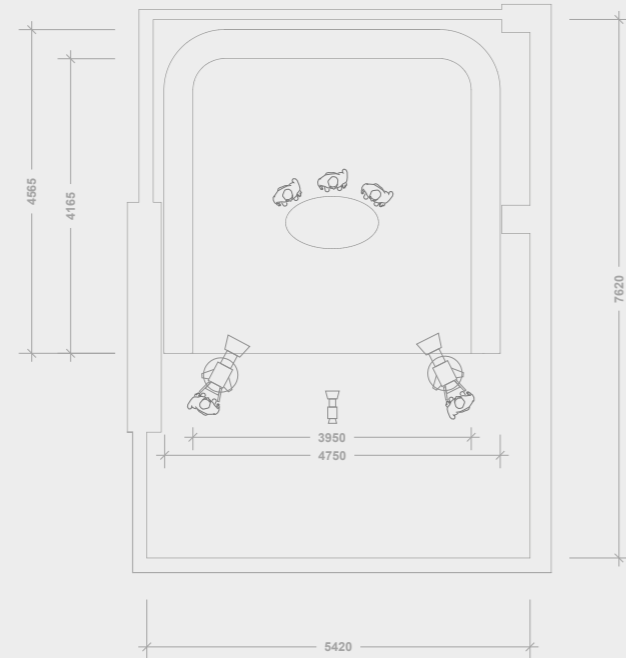
3500 sq ft



## Studio Three

H x 4.5m  
W x 4.75m  
L x 7.62m

430 sq ft





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—(EUROPE) LTD—



+44 (0)20 4549 7255 · [www.moov.tv](http://www.moov.tv) · [contactmvxr@moov.tv](mailto:contactmvxr@moov.tv)  
MOOV | EALING BROADCAST CENTRE | 22 Uxbridge Rd | London | W5 2RJ

Photography by Graeme McAlpine