

PORTFOLIO

PRODUCTION SHOWCASE

2024



TABLE OF CONTENT

ABOUT US	3	OUR MAJOR PROJECTS	34	OUR GALLERY	188
INTRODUCTION	4	> AUSTRALIAN OPEN 2024	35	> OUR GALLERY	191
> OUR OFFICES	6	> AMAZON PRIME VIDEO - TNF	48	> BETTING PROJECTS	201
> WORLDWIDE	7	> ESPN MANNINGCAST	51	> ELECTIONS PROJECTS	202
> OUR CLIENTS & PARTNERS	8	> NETFLIX SLAM	54	> NEWS PROJECTS	205
> CURRENT PARTNERS	9	> TNT STUDIOS UEFA	59		
> KEY PERSONNEL	10	> RED BULL DUAL ASCENT	65		
		> FOX SPORTS SCREEN PASS	69		
OUR SERVICES	14	> FOX SPORTS ON THE FIELD	73		
01 / BROADCAST SOLUTIONS	18	> FOX SPORTS COLD OPEN	78		
> REAL TIME GRAPHICS SYSTEM	19	> FOX SPORTS STAGE A - DIGITAL TWIN	88		
02 / VIRTUAL REALITY	20	> UFC	95		
> VIRTUAL INTEGRATION	23	> SUPERCARS 2023	99		
03 / INTERACTIVE SCREENS	24	> THE HALL OF CHEEZ	107		
04 / OFFLINE SERVICES	25	> INTERNATIONAL SWIMMING LEAGUE	113		
05 / INNOVATIONS	26	> ONE CHAMPIONSHIP	121		
> GAMEBREAK SPORTS ANALYSIS	27	> CBS NEWS ELECTIONS	126		
> VOLUME PRODUCTION	30	> DENVER BRONCOS	137		
06 / SOFTWARE & APP DEVELOPMENT	31	> TENCENT SPORTS NBA	147		
07 / HARDWARE	32	> NBL	156		
08 / OPERATION AND TECHNICAL SUPPORT	33	> ESPN MONDAY NIGHT FOOTBALL	164		
		> ESPN MARVEL NBA	168		
		> YES NETWORK AMAZON PRIME NYY	173		
		> LAVER CUP	178		
		> TENCENT FIFA WORLD CUP 2018	184		



ABOUT US

- 01 BROADCAST INNOVATION
- 02 OUR OFFICES
- 03 CLIENTS & PARTNERS
- 04 KEY PERSONNEL





BROADCAST INNOVATIONS & SOLUTIONS

▶ X-LAB REEL

▶ BRANDING REEL

▶ REAL-TIME REEL

Girraphic delivers a holistic approach to the broadcast process from design to execution and production. Utilising the newest technological innovations to facilitate state of the art, creative storytelling, we strive to stay at the front of the ever changing landscape of broadcast.

Girraphic was founded in 2012 with the ambition to push the boundaries of what is possible within the broadcast graphics space, virtual production, and augmented reality. Girraphic has grown into a global organisation with offices and personnel available across four continents.

We know the broadcast space front to back. We design creative concepts that incorporate broadcast branding and identity. Then, we execute these designs in live production execution of real-time graphics, touchscreens, augmented reality graphics, video walls, set designs, virtual studios and hardware installations. Girraphic has the necessary tools and experience at our disposal to ensure that we deliver the highest quality creative output from all your broadcast systems.



> GIRRAPHC PARK
PTY LTD

> GIRRAPHC SPA

> GIRRAPHC LTD

> GIRRAPHC PARK
UNITED CORP

> GIRRAPHC LLC

> GIRRAPHC
INVESTMENTS
PTY LTD

> GIRRAPHC
UNIT TRUST

> GIRRAPHC
HOLDINGS PTY LTD

> GIRRAPHC XLAB
PTY LTD



SYD



DEN



LON



AKL



SCL



BUE

WE DELIVER ABOVE AND BEYOND YOUR EXPECTATIONS. ON TIME. EVERY TIME.

We are one of the leading providers in data visualisation, virtual graphic implementation, and the broadcast graphics industry. We are firm believers in the power of an idea and providing technical innovation, expertise, and solutions to bring your ideas to life.

Since 2012, we have worked on multiple large scale implementations in dozens of countries around the world for hundreds of live events. Our global team of professionals gives us the power of diversity. We work together to ensure different trends and techniques are incorporated into our productions, giving our clients the best service in the marketplace. Our global presence gives us the ability to continue developing, designing, testing, and supporting 24 hours a day, 7 days a week.

We search for and develop the best tools to deliver the best solution. We are VizRT and Unreal Engine specialists. We have skilled artists and developers

who have production experience in other leading graphics solutions such as Zero Density, Pixotope, Ross, and Chyron.

Whatever your requirements, be it sports broadcasting, news and election coverage, social media integration, live outside-broadcasting, or in-studio production, Girraphic takes great pride in making sure we deliver above and beyond your expectations, on time - every time.

We are constantly looking to improve our clients' broadcast experience by working closely with our product vendors' research, development, and support teams.

This keeps you at the forefront of the ever-evolving landscape of broadcast production. Our society relies on communication, and, increasingly, the success of a broadcast requires the very best in visual communication. Successful graphic design comes from an effective working partnership between the creative team and you, our client. Your input is key to our creative process, and with your help, we can provide innovative solutions to your communication challenges. In fact, we believe that we can achieve a visual communication result that surpasses your expectations.

BUSINESS OFFICES



SYDNEY - AUSTRALIA

Suite 502, 50 Holt Street,
Surry Hills, NSW 2010



DENVER - USA

5555 DTC Parkway, Suite 360
Greenwood Village, CO, 80111



LONDON - UK

5th Floor, The Courtyard, 7 Francis Grove,
Wimbledon, London, SW19 4DW



AUCKLAND - NEW ZEALAND

L2/33 Sale Street
Auckland CBD, 1010



SANTIAGO - CHILE

Guardia Vieja 202, Providencia,
Santiago de Chile



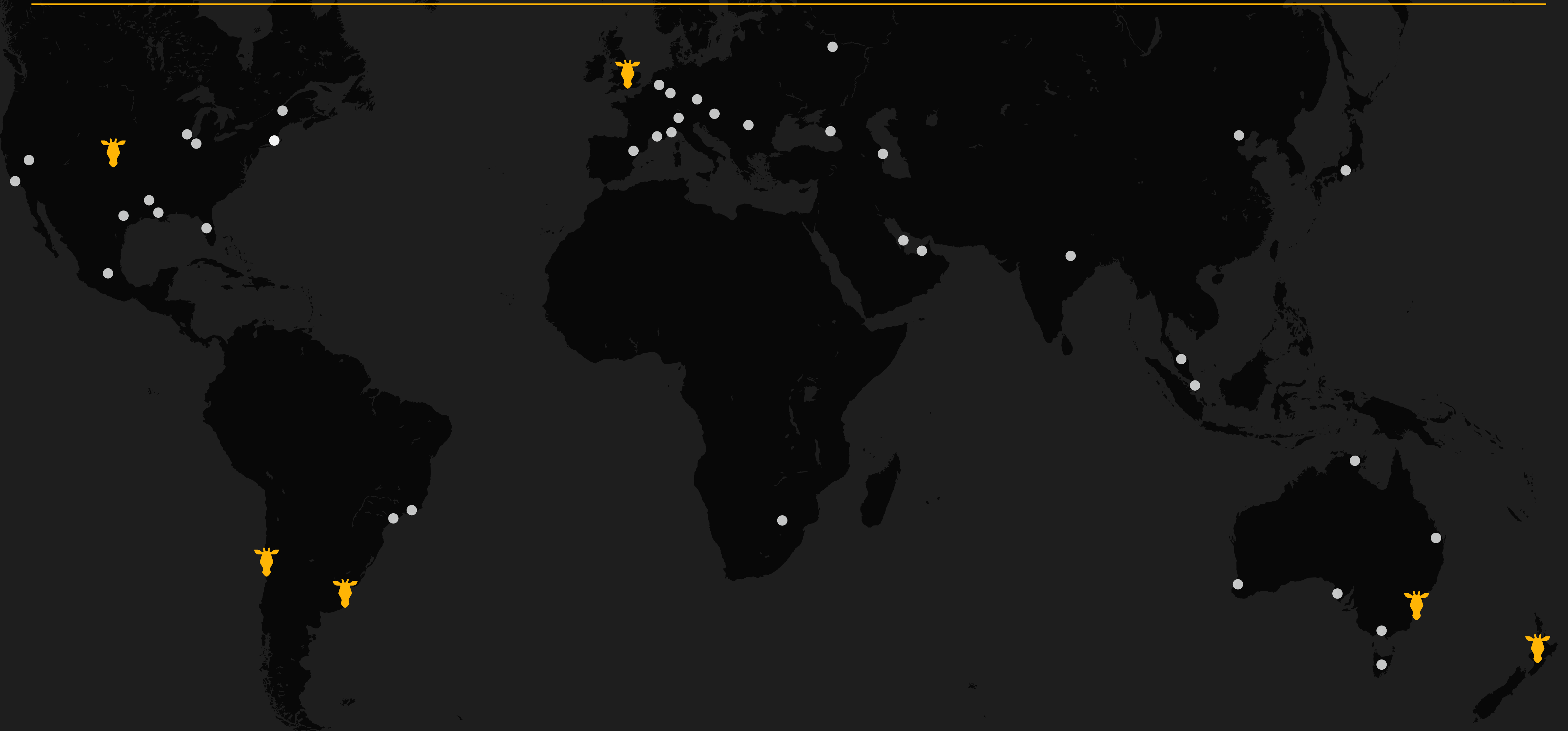
BUENOS AIRES - ARGENTINA

Castillo 1366, Palermo,
Ciudad Autónoma de Buenos Aires



// WORLDWIDE —

OUR CLIENTS & OFFICES AROUND THE WORLD





// MAJOR PARTNERS -

OUR CLIENTS & PARTNERS

// PARTNERS —

OUR PARTNERS

> GIRRAPHC IS EVER EXPANDING, PAVING NEW CREATIVE MARKETS TO WORK IN, AND INNOVATING WITH NEW TECH IN AND AROUND BROADCAST AND LIVE INTERACTION.

EPIC GAMES



Girraphic's expertise in Unreal Engine graphics makes them a leading Authorized Service Partner, delivering cutting-edge visuals for broadcasts and live events.

NCAM



Ncam's markerless tracking drives Girraphic's outdoor productions, ensuring access to cutting-edge tech for evolving market needs.

MO-SYS



The Girraphic team trains in tracking technology alongside Mo-Sys to ensure we have the latest and greatest camera tracking expertise.

VIZRT



Girraphic is one of the longest standing and most trusted Viz vendors globally. Our partnership with VizRT allows us to bring high quality real-time graphics to broadcasters around the world.

SILICONCORE

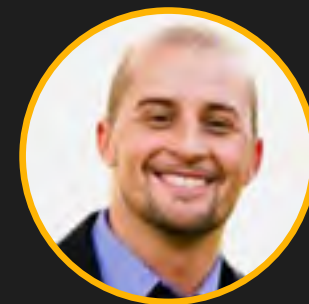


SiliconCore is a leader in LED display technology with its high refresh-rate, high-resolution displays for XR production. SiliconCore's new Orchid XR panels power our new XR studio in the heart of Sydney.

// OUR TEAM -



KEY PERSONNEL



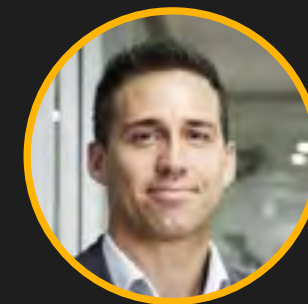
NATHAN MARSH
CEO NORTH & SOUTH AMERICA

 United States



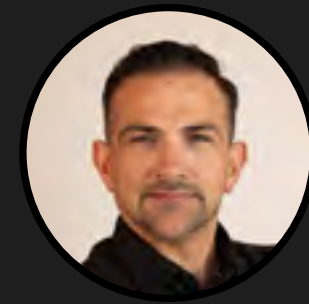
CRAIG HAMEL
CEO SOPAC & EUROPE

 Australia



GERHARD JORDAAN
CHIEF FINANCIAL OFFICER

 Australia




STEPHEN MARE
GENERAL MANAGER SOPAC

 South Africa



GRANT WERLE
GENERAL MANAGER USA

 United States



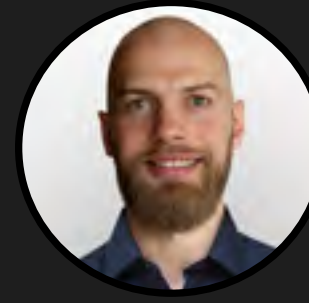
GRACIELA OLIVARES
ART DIRECTOR WORLDWIDE

 Venezuela



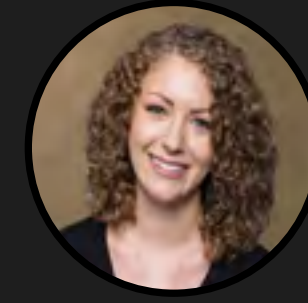
GUSTAVO IDE
CHIEF INFORMATION OFFICER

 Chile



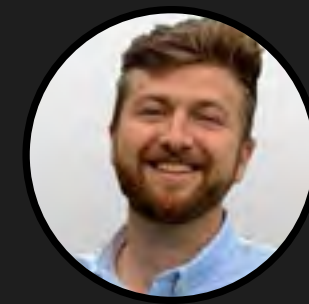
STEPHAN REHFELD
DIRECTOR OF ENGINEERING

 Germany



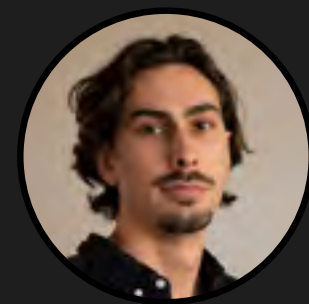
EMILY STONE
DIRECTOR OF OPERATIONS

 United States



BILLY CROMARTY
GENERAL MANAGER UK

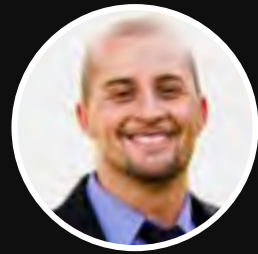
 United Kingdom



GABRIEL MAHER
ART DIRECTOR

 Australia

// OUR TEAM —



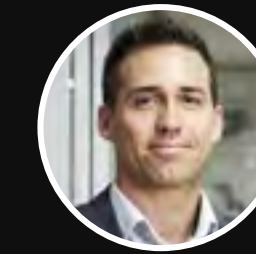
NATHAN MARSH
CEO NORTH & SOUTH AMERICA

Nate began his broadcast career in NYC at CBS Sports designing content for productions like NCAA Football & Basketball and the NFL Today Show, while also running a documentary film company, Inspired Mind Films, and designing multiple forms of content for the production house Anomaly Communications. After several years, he moved to Los Angeles as a VizRT Artist at Reality Check Studios working on projects for ESPN, DIRECTV, and The Weather Channel. He then relocated to Sydney to fill a senior design role at Zspace running VizRT projects for the AFL, Swimming Australia, Fox Sports, and CCTV China. He established Girraphic with his business partner, Craig Hamel in 2012 and now leads the worldwide corporation, Girraphic.



CRAIG HAMEL
CEO SOPAC & EUROPE

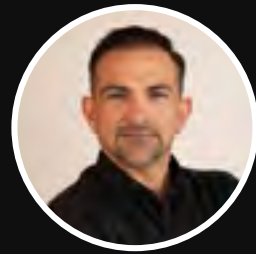
Craig has been working in the broadcast graphics industry for over 15 years. He started his career as a support engineer with Australian broadcast equipment reseller Amtech, working directly with the technical departments of their suppliers including JVC and VizRT. In 2006, Craig took an opportunity to learn realtime graphics production as operations manager of Zspace's live graphics department, managing projects for major networks in both Australia and China including AFL Grand Finals and World University Games. In need of a new challenge, Craig co-founded Girraphic with business partner Nathan Marsh to create a world leading graphics provider to help their clients take graphics production to the next level.



GERHARD JORDAAN
CHIEF FINANCIAL OFFICER

Gerhard has more than nine years of experience providing business advisory, taxation and private client services with a focus predominantly on high net wealth individuals, elite athletes, and small businesses. Prior to joining Girraphic, Gerhard spent eight years at international accounting firms in their private client practices providing tax advice, tax compliance, foreign taxation and accounting services to local branches of multi-national corporations, privately owned businesses, and high net wealth individuals including senior executives, business owners, passive investors, actors, and elite athletes.

// OUR TEAM —



STEPHEN MARE
GENERAL MANAGER SOPAC

Stephen started his career in the broadcast industry in 2004 after graduating with a degree in Audio-Visual Production Management. He built up his experience by holding various roles across the globe from South Africa to New Zealand, seamlessly integrating VizRT solutions into complex aspects of broadcast graphic workflows. In 2013, he was presented with an excellent opportunity to join Girraphic in Sydney, Australia where he continued to expand his VizRT expertise. Future projects forecast heavy integration of virtual and augmented reality graphics into the Australian and international market, as well as managing the ever-increasing demand for turnkey broadcast graphic solutions from existing and future clients.



GRANT WERLE
GENERAL MANAGER USA

Grant brings with him more than 20 years of experience in broadcast technologies. Werle is an expert in developing real-time graphic template suites utilising the VizRT platform and streamlining workflow for studio and remote productions. Most recently, Grant served as the Real-Time Department Manager at Reality Check Systems in Los Angeles, where he produced packages for large scale events including sport championships, elections, and network premieres on NBC, CBS, FOX, SKY, DIRECTV and ESPN among others. Prior to that, he worked as a Senior VizRT Artist, operator, and support technician at CBS Sports, NYC.



GRACIELA OLIVARES
ART DIRECTOR WORLDWIDE

Graciela is Girraphic's version of a Swiss Army knife. Her creative prowess is only outdone by her ability to build, implement, and program VizRT graphic packages of any type. She came to us from network Canal13 in Chile and has extensive experience in sports projects from her time there. Previous to her position there, she gained extensive news experience at CNN and TeleSUR TV, both 24/7 news networks in South America. She has in-depth knowledge of a multitude of VizRT products, Cinema4D, and the traditional Adobe Production Suite. She is one of the rare talents who is very capable of taking an idea from a napkin sketch all the way to on-air data-driven product entirely on her own.



GUSTAVO IDE
CHIEF INFORMATION OFFICER

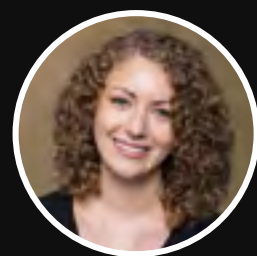
Gustavo joins the Girraphic team with over 20 years of experience in the broadcasting industry. Highly innovative, Gustavo has previously implemented VizRT graphics for a host of sporting events, music festivals, elections, and virtual sets. Now part of the Girraphic team, Gustavo looks forward to extending our global reach into Latin America and Asia.

// OUR TEAM —



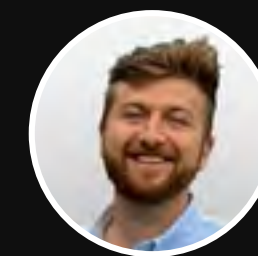
STEPHAN REHFELD
DIRECTOR OF ENGINEERING

Stephan came to Girraphic after five years at Swiss Timing, learning the basics of television and working on all kinds of sporting events including the Olympic Games and various World Championships. He is one of the most thorough individuals when it comes to organizing and planning an event or implementation from a technical perspective. He is an expert at scripting and generally works hand in hand with our programmers to lead the build of our custom applications. We utilise his skills of various AR/VR tracking solutions, chroma keying, operating, event and data handling, and technical all-around knowledge for large scale projects like the Australian Open, Motorsport, and worldwide Elections.



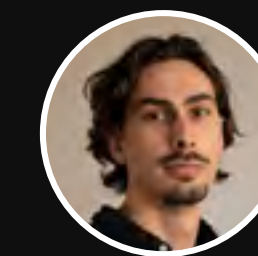
EMILY STONE
DIRECTOR OF OPERATIONS

Emily started her broadcast career operating Ross Xpression and Viz Trio graphics for college sports broadcasts across California. Shortly after graduating from UC Santa Barbara, she joined the NFL Network as a Viz Artist where she helped launch shows like Fantasy and Friends and Good Morning Football. After a season with the NFL, she went on to create graphics for the Lakers broadcast in El Segundo. At the end of basketball season, Emily moved into esports, combining her passion of video games and sports broadcasting. She worked as a Viz Artist for Riot Games, creating graphics for global events and supporting road shows around the world. After three years of Viz, Emily moved into a live producer role for North American League of Legends. After two Emmy awards and hundreds of live shows, she joined Girraphic to continue following her passion for all things broadcast related.



BILLY CROMARTY
GENERAL MANAGER UK

Billy began his career in the broadcast industry in 2015 as a multiskilled operator at deltatre. He quickly progressed through the ranks leading major project deliveries including the host broadcast graphics at the Athletics World Championships, the Olympics Games for Eurosport, and a FIFA World Cup for ITV Sport. He grew deltatre's UK engineering team which was responsible for maintaining and deploying the hardware and software for technical operations. Billy joined Girraphic in February of 2021 and has been busy growing the UK team and delivering a range of operations managed from the UK and beyond.



GABRIEL MAHER
ASSOCIATE ART DIRECTOR

Gabriel joined Girraphic with a background in 2D and 3D visualization. Quickly adapting his skill set to the broadcast environment, Gabriel has delivered a complex application that features data integration, EVS playback, and Graffiti functionality to the Supersport Tauschscreen. Gabriel dived into building the Rapid Rugby Offline graphics, moulding Rapid Rugby's branding and their new sport into a unique 3D space and visualized the intensity and quick pace of Rapid Rugby into their graphics package. More recently, Gabriel has been part of the team building the Tencent NBA graphics alongside the graphics for Esports' biggest tournament, KPL. Gabriel is constantly pushing the design boundaries with interesting new ideas and is an integral part of the team at Girraphic.



OUR SERVICES

 CREATIVE SERVICES

 INTEGRATION & SUPPORT
















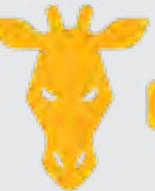
 PRODUCTION

 HARDWARE & RENTAL



// WHAT WE DO -

OUR SERVICES

 CREATIVE SERVICES	 VIZ VIRTUAL SET	 UNREAL VIRTUAL SET	 STUDIO SCREENS
 INTEGRATION & SUPPORT	 VIZ INSERTS	 UNREAL AR	 STADIUM SCREENS
 HARDWARE & RENTAL	 VIZ AR	 TOUCH SCREEN	 OFFLINE DESIGN
 PRODUCTION	 HARD SET	 LIBERO / SPORTS ANALYSIS	 GIRRAPPIC



CREATIVE SERVICES

Girraphic offers an extensive array of creative services tailored to clients' needs. Utilising our deep creative expertise and vast network of industry connections, Girraphic has been instrumental in elevating clients' visibility and promoting opportunities.

Our diverse portfolio caters to television networks, sports broadcasters, content producers, and brand marketers. With a seasoned team of professionals at the helm, we deliver comprehensive solutions including creative direction, brand strategy and design, show packages, motion graphics, live action, and animation content, as well as iOS app development and design.

Collaborating closely with our clients, Girraphic ensures a seamless integration of all broadcast-related elements.

We differentiate ourselves by transcending conventional marketing paradigms, guiding companies into both online and offline spheres to achieve their objectives. Embracing innovation in campaign conception, our team reflects the originality of your brand and asserts your company's position as an industry leader.



// // GIRRAPHIC



OVERVIEW OF SERVICES

01 // BROADCAST SOLUTIONS

REAL-TIME GRAPHICS (VIZRT)

02 // VIRTUAL REALITY

AR GRAPHICS

VIRTUAL ADVERTISING

VIRTUAL SET

VIRTUAL INTEGRATION

03 // INTERACTIVE SCREENS

VIDEO WALLS

TOUCHSCREEN

04 // CREATIVE SERVICES

BRANDING

PRE-RENDERED CONTENT

05 // GIRRAPHIC INNOVATIONS

SPORTS ANALYSIS TOOL

VOLUME PRODUCTION

06 // SOFTWARE & APP DEVELOPMENT

DATA INTEGRATION

SOFTWARE DEVELOPMENT

CUSTOM APPLICATION DEVELOPMENT

07 // HARDWARE

08 // OPERATION & SUPPORT



01

BROADCAST SOLUTIONS

We provide tailored solutions that are scaled to our clients' requirements. Whether you're a journalist or producer in need of newsroom-based solutions, or you're delving into the intricacies of sports broadcasting and data-driven technologies, we are able to cater to all your needs.

+ INSERT PACKAGE DESIGN

We elevate your creative journey from inception to execution, offering top-tier service across design, animation, management, and implementation. Committed to realising our clients' visions to the highest standards, our unparalleled attention to detail shines through both the creative and technical facets of our work.

+ NEWS, CONTENT PILOT INTEGRATION & CONSULTATION

Specialising in the intricacies of the newsroom, Girraphic stands as an expert in delivering producer, operator, or talent-driven graphics. Our solutions are meticulously crafted to enable consistent operations in control rooms of any size, ensuring a 24/7 workflow without a hitch. Whether you're looking for recommendations for new build-outs or seeking optimisation within your existing infrastructure, Girraphic is dedicated to creating the optimal scenario for all your news stories.

+ TICKERS/SCROLLS

When it comes to graphics, a network's ticker takes center stage in terms of air-time. A well-utilised ticker becomes the audience's reliable source for breaking news, live scoring updates, or election information. We understand the intricacies of ticker creation, making us your trusted partner for flawless and impactful ticker content delivery.

+ LIBERO PACKAGES

Collaborating with Viz Libero, we leverage cutting-edge tools to construct a custom analysis package tailored to complement any existing production. Our meticulously crafted packages enable the most in-depth analysis of any sport, enhancing broadcast quality and offering fans a deeper insight into the games they passionately follow. With a keen focus on customisation, Girraphic applies its expertise to build a tailored analysis package, incorporating the specific statistics and player profiles essential for the nuances of each sport.

01

VIZRT REAL TIME GRAPHICS SYSTEM

GRAPHICS PACKAGE REEL

Girraphic utilises VizRT for the construction and facilitation of online graphics packages. VizRT allows flexible control of its real-time engine, with the capability to write unique applications to customise control of any graphics package. VizRT also offers scalable solutions with multiple products that allow your production to grow into other areas like augmented reality, virtual, touchscreens, social implementations, and multi-platform content production tools like Viz Story.



02

VIRTUAL REALITY

 AUGMENTED GRAPHICS REEL

From initial design to seamless on-site execution, we deliver breathtaking visuals and top-notch camera tracking to captivate audiences. Our expertise lies in data-powered augmented graphics and complete immersive augmented experiences. Additionally, we offer all the essential hardware required to bring your augmented visions to life – from powerful render engines to cutting-edge camera tracking solutions.

+ AUGMENTED REALITY GRAPHICS

Augmented reality graphics integrate cutting-edge camera tracking technologies into your production, providing a heightened look and feel to your broadcast. The possibilities are endless - whether you're looking for a new way to display data, a full takeover for a sponsor, or even new ways to drive fan engagement, we have you covered. With industry-leading technology and innovative talent, we set the standard for delivering unparalleled visual experiences.

+ VIRTUAL ADVERTISING

We have developed multiple virtual tracking solutions to use during live events as platforms for graphic advertising without the expense and hassle of creating physical signage at the venue or arena.

HOW DOES IT WORK?

The tracking data from the camera/tracking solution is fed into multiple Virtual VizRT Graphics kits simultaneously, and each real-time graphic renderer has its own set of sponsor logos positioned in the same space.

+ VIRTUAL SET

Give your production team the ultimate flexibility by creating the virtual set space of their dreams. We provide full-service virtual set creation, from signal flow and technical recommendations to the design of your set. Your set is an extension of your brand, and a virtual set allows you the freedom to change your brand and image without going through a long and arduous construction process. Whether you aim to maintain an existing look and feel or desire a fresh, innovative approach, we are dedicated to bringing your vision to life.



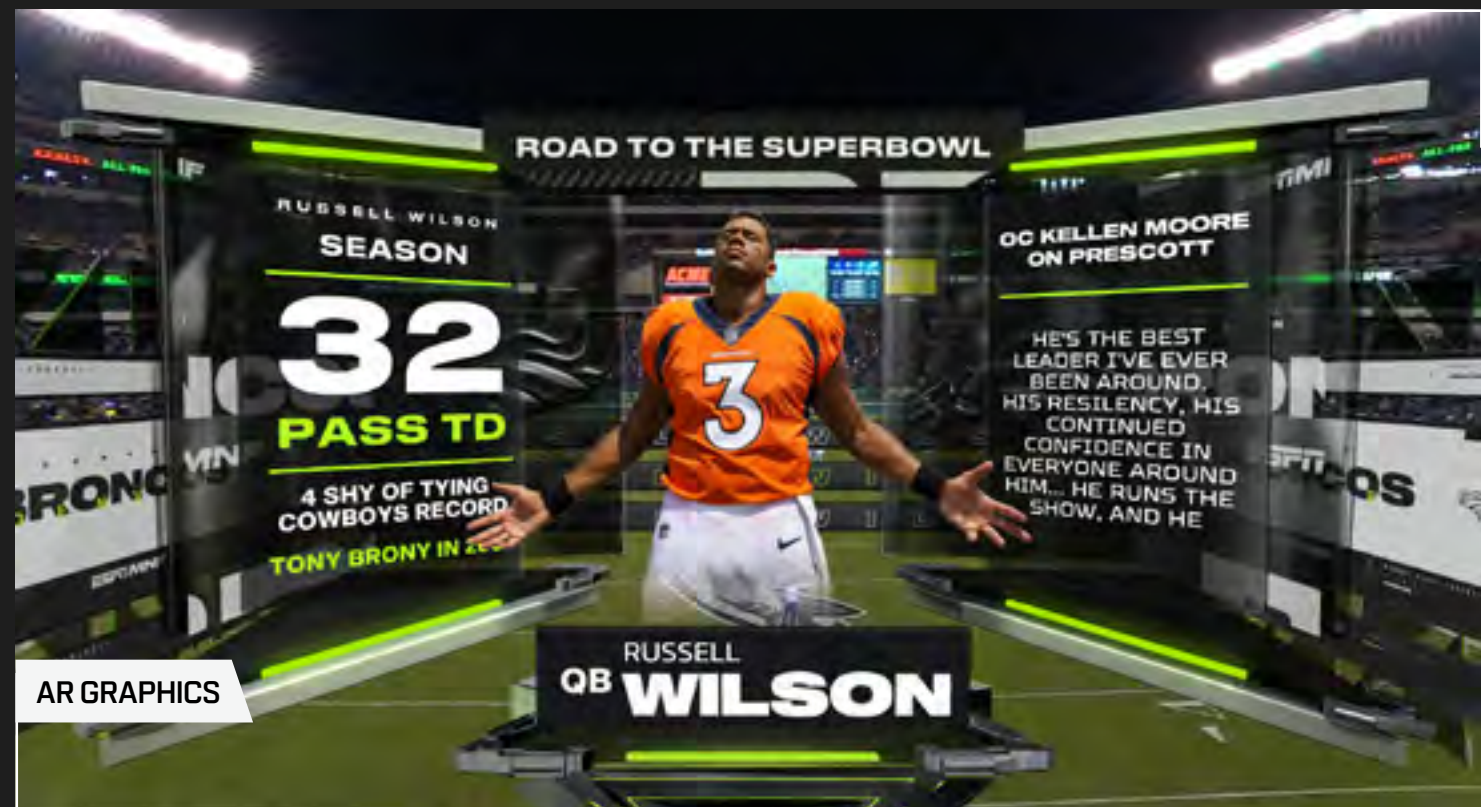
AR GRAPHICS



VIRTUAL ADVERTISING



VIRTUAL SET



AR GRAPHICS



VIRTUAL ADVERTISING



VIRTUAL SET



AR GRAPHICS



VIRTUAL ADVERTISING

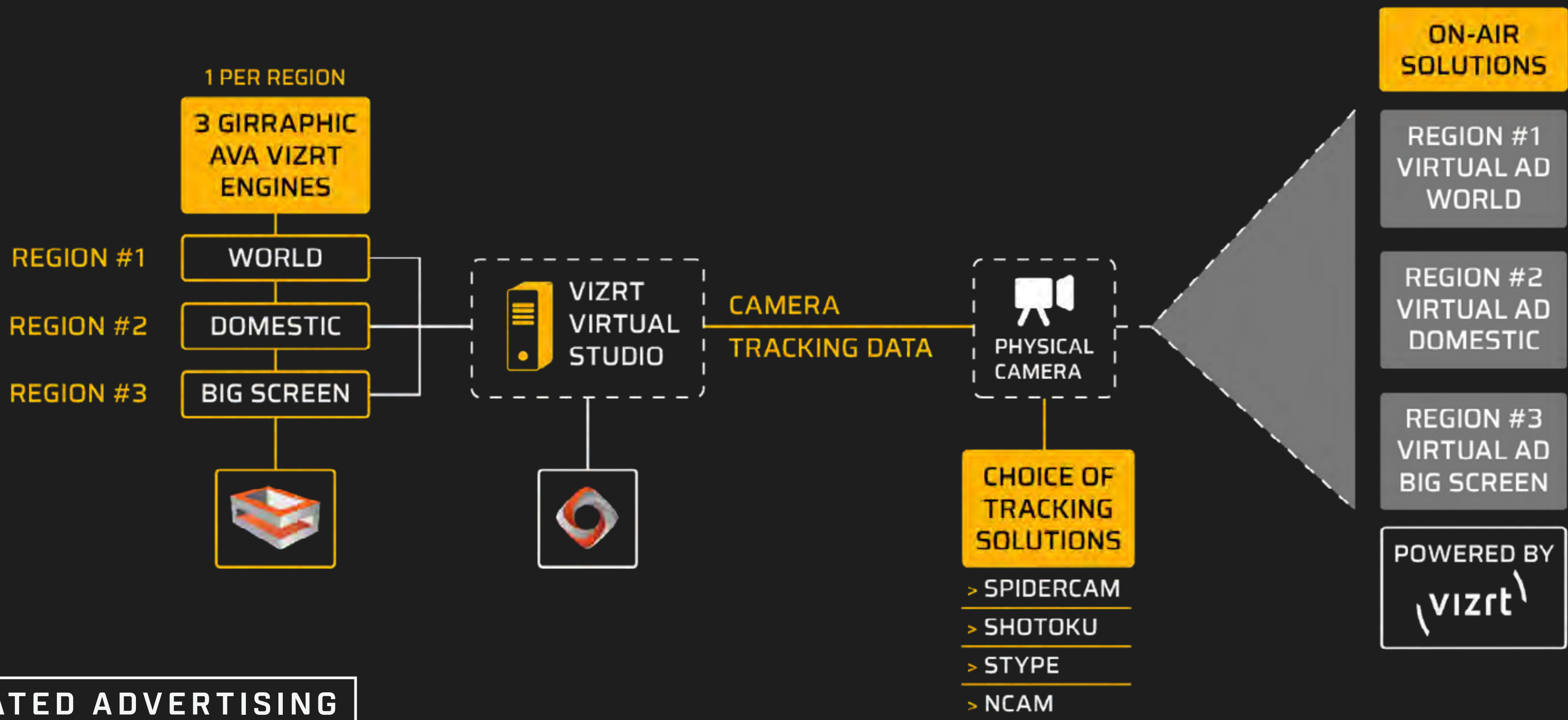


VIRTUAL SET



VIRTUAL INTEGRATION

Virtual advertising allows for multiregional sponsorships with separate advertising tailored to different markets. Sponsorship is easily modified with the press of a button, allowing for logo changes per quarter, half or race. This versatility can easily be applied seamlessly to any sport or live event. We have successfully developed integrations for V8 Supercars, UFC, NFL Network, Fox Sports NRL, Channel Nine Cricket, Network Ten Sochi Olympics, and many others.



INTEGRATED ADVERTISING
MULTI-REGION SAMPLE WORKFLOW DIAGRAM

02

VIRTUAL INTEGRATION

Girraphic combines technology, data-driven statistics, and virtual graphics to enhance the viewer's experience. We offer a wide range of options to accommodate our clients' preferences and needs.



+ SPIDERCAM

Using Spidercam, we provide powerful, large visual aids and sweeping augmented reality movements during breaks and in-match integrations in a subtle manner. This approach allows statistics and information to be framed by the camera's unique range of view and overlaid on the court without detracting from the integrity of the event.



+ G-CAM

In 2017, Girraphic first introduced the G-CAM to the Broadcast world with the use of three specialised virtual cameras hung from each of the main arenas at the Australian Open. The G-CAM is a Stype powered robotic camera which allows for remote operation of tracked virtual augmented graphics. G-CAM does not have to be permanently mounted to function, and has become a key part of the big event coverage during the Supercars Championship season.

03

INTERACTIVE SCREENS

Interactive screens allow your talent to interact with data, maps, and analytics - taking your broadcast a step further than traditional insert graphics. We combine innovation and creativity to integrate virtual sets and interactive touchscreens, ensuring your production reaches unprecedented levels of engagement and visual excellence.



+ VIDEOWALLS

In-studio video walls are a phenomenal way to utilise creative branding to differentiate between shows. Introduce energy and versatility into your broadcast, and transform your space with the click of a button. We can create dynamic and visually stunning branding elements or create an entirely new design for your studio. Our video wall graphics can integrate into your existing studio workflows, allowing operators to change backgrounds on the fly while still firing their usual insert graphics.



+ TOUCHSCREENS

[SUPERCARS TOUCHSCREEN REEL](#)

Interactive Touchscreens elevate broadcasts to new heights through deeper analysis and commentary. Touchscreens offer a unique opportunity to boost engagement between presenters and viewers. When paired with camera tracking technologies, your touchscreen can begin to control augmented reality elements, bringing the interactive experience of your broadcast to a whole new level.

04

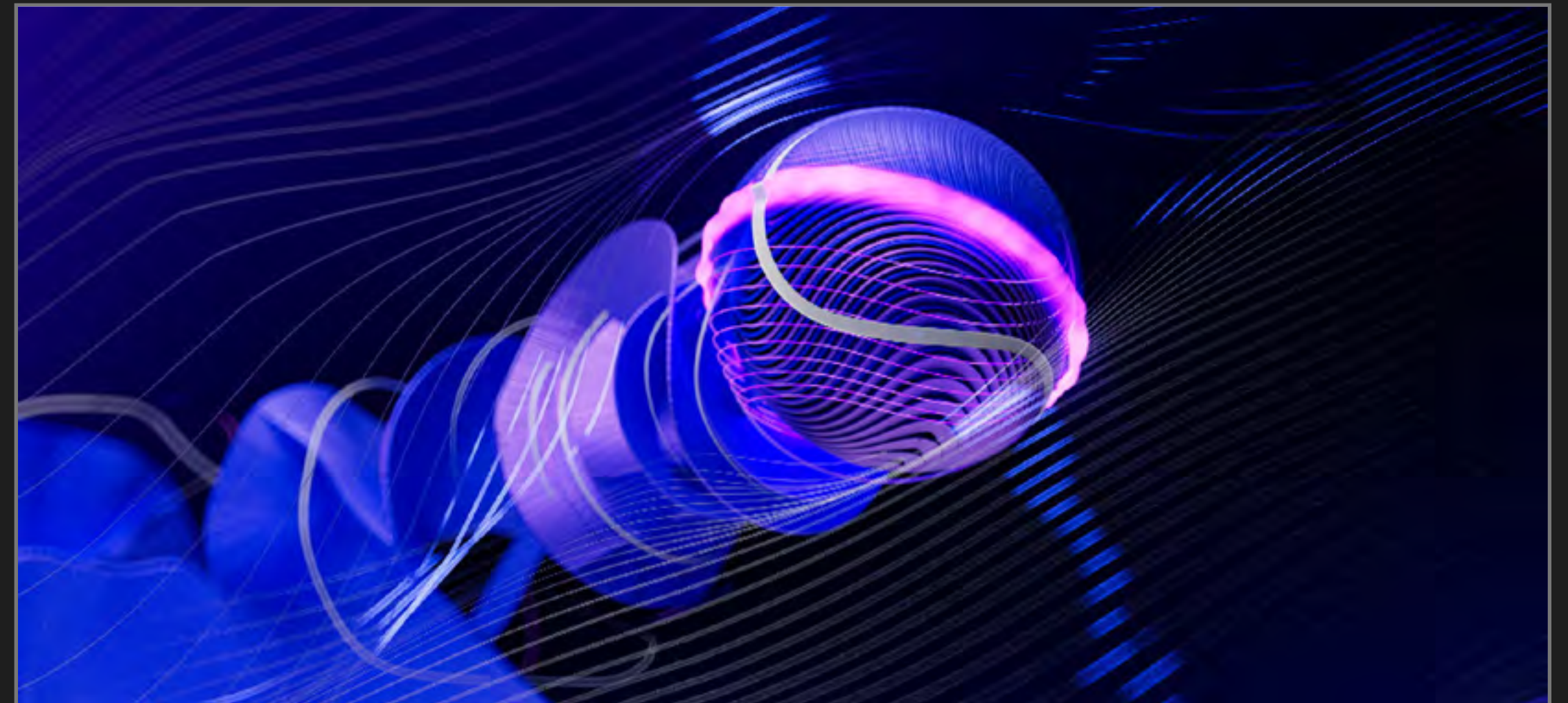
OFFLINE SERVICES

Girraphic's Creative Services includes high-end offline rendered content. From initial concept, to animation and sound design, to final delivery - we manage the entire process.



+ BRANDING

We offer a wide range of branding and design services. By combining our creative perspective and skill set, we are able to bring our clients' ideas to life with the execution of new branding and design strategies.



+ PRE-RENDERED CONTENT

Girraphic excels in creating advanced offline rendered content. This encompasses a wide range of elements, from full opening sequences to wipes, bumpers, and offline highlights packages. We will create anything you can envision.

05

GIRGRAPHIC INNOVATIONS

At Girraphic we continuously innovate with the latest technology. From a touchscreen integrated with sensors that track movement to immersive virtual sets surrounded by video walls, we are always exploring cutting-edge options to engage the audience.



+ GAMEBREAK SPORTS ANALYSIS TOOL

Using Unreal Engine, we have created a whole new way of analysing sports broadcasts. The Sports Analysis Tool utilises Unreal's replication system to create a multi-user sports analysis experience. Actions and events are synchronised, allowing multiple talents, producers, or presenters to interact with the same play, regardless of their location.



+ BUNKER

A multi-media hub, a creative technology playground, a state-of-the-art experience centre. In this space we play, experiment and innovate. Within our reactive volume, we envision a fully interactive space. It will feature full tracking coverage for both talent and moving objects. Coupled with awe-inspiring visual effects and clever graphics implementation, we will create an immersive experience like never before.

05

GAMEBREAK SPORTS ANALYSIS TOOL

Gamebreak Sports Analysis was developed by Girraphic to provide a more immersive and engaging analysis of live sports coverage. It uses a unique combination of real-time interactivity, data integration, and augmented reality graphics to create a fully talent-controlled play-by-play tool. Designed, programmed, and operated entirely by Girraphic, this cutting-edge technology will change the way analysts and fans engage with sports and beyond.



 **GAMEBREAK REEL**

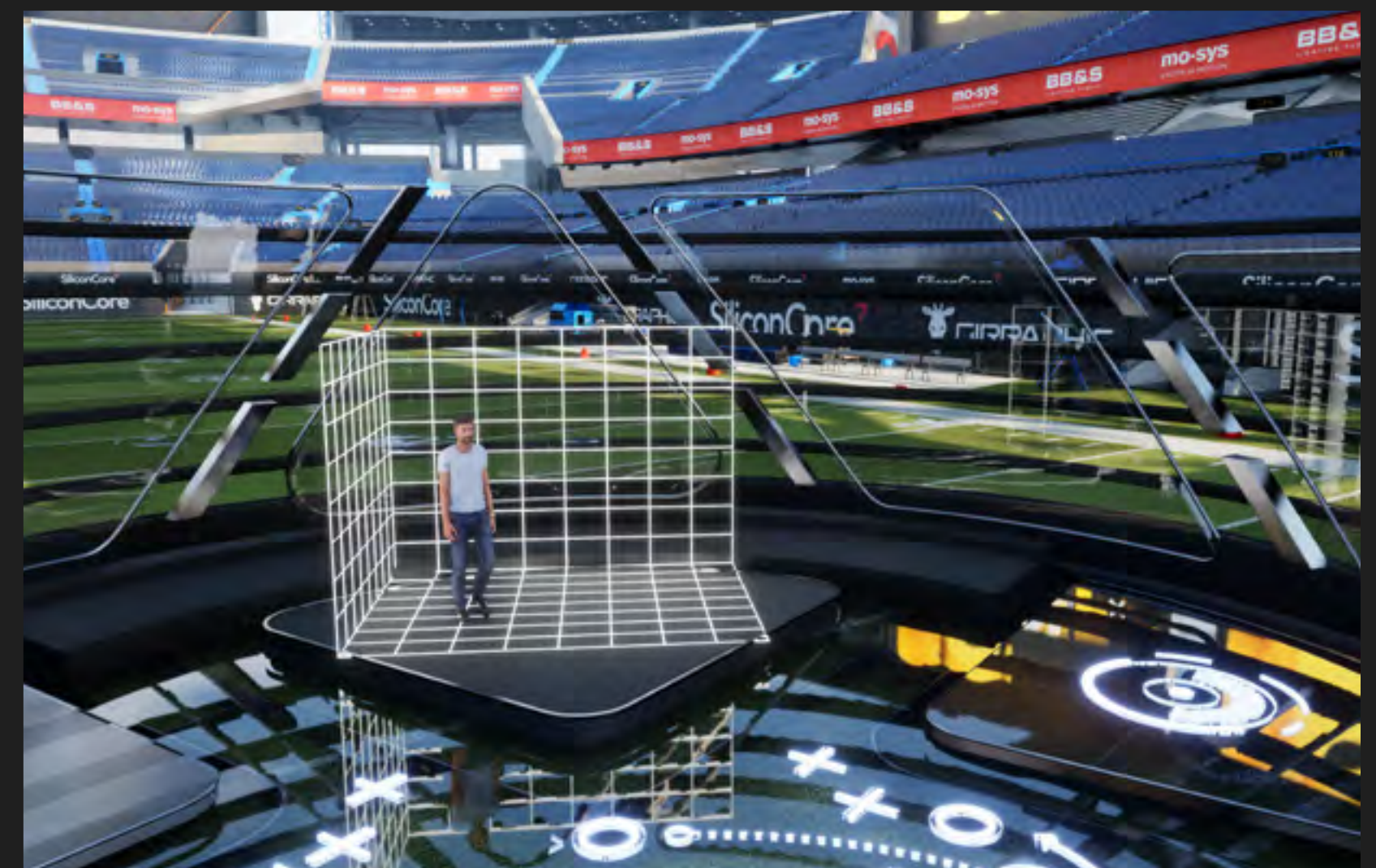
05

GAMEBREAK SPORTS ANALYSIS TOOL



05

ART DEPARTMENT VIRTUAL ENVIRONMENTS





+ VIRTUAL SET

As cinematic production continues to utilise virtual environments more often, these services are becoming invaluable. Entire scenes can be shot on a single set, without concern of travel, weather, or shipping equipment. Using Girraphic's own virtual environments - coupled with talent and props - Girraphic is able to produce live broadcast and film productions that extend the far reaches of the imagination. We are currently underway on construction of our own virtual volumes for both LED walls and green screen applications.

VIRTUAL CAPABILITIES

EXPAND A STUDIO BEYOND PHYSICAL LIMITATIONS

CREATE MULTIPLE ENVIRONMENTS WITHIN VIRTUAL SPACE

UNLIMITED SCENE DESIGN

06

SOFTWARE & APP DEVELOPMENT

Girraphic boasts a dedicated programming team focused on crafting resilient and intuitive applications tailored to your project. Our applications seamlessly handle multiple data inputs, whether they originate from minor sources or major APIs.



+ DATA INTEGRATION

From news and elections to sports stats and betting programs, real-time data integration is essential for many productions. Our tailored applications are customisable to accommodate client and operator preference. Girraphic has hands-on experience with various data streams, including APIs, XML, JSON scripts, SQL, and Web Databases, as well as data sources like STATS and ODF.



+ CUSTOM APPLICATION DEVELOPMENT

Girraphic has been providing customised control applications since 2016. Initially created to support events such as the Australian Open and Laver Cup, it has evolved to support many major events in processing large volumes of data. All buttons are reactive and state-aware, making the application powerful yet intuitive and easy to use for operators.

07

HARDWARE

We partner with high-end hardware and software vendors and scour the marketplace to ensure our offerings are the best and most cutting-edge available. Additionally, we provide rental graphic kits that can be custom-made for any project, ranging from graphic playout for outdoor broadcasts to harvesting data for social media implementations.



- > CUSTOM BUILT GRAPHICS KIT
- > G-CAM
- > MOSYS STAR TRACKER
- > NCAM
- > SHOTOKU
- > STYPE KIT
- > STYPE REDSPY
- > SPIDERCAM
- > ROBYCAM

08

OPERATION AND TECHNICAL SUPPORT

We are dedicated to ensuring the success of our clients at every stage of their projects, which is why we offer comprehensive technical support and training services. Through our tailored programs, we equip you with the knowledge, skills, and confidence needed to excel at every stage.

+ OPERATION AND TECHNICAL SUPPORT

VizRT is a powerful and complex tool capable of creating amazing content for your broadcasts. However, we understand that not everyone can be an expert in the field.

As part of our large-scale projects, Girraphic offers training solutions to ensure you and your team get the most out of the hardware and software available. We cover everything from basic design to technical hardware installation and more advanced graphics production. Girraphic provides you with the necessary tools and knowledge to achieve the best results with all your systems.





BEYOND THE LIMITS

OUR MAJOR PROJECTS

▶ X-LAB REEL

▶ BRANDING REEL

▶ REAL-TIME REEL



AUSTRALIAN OPEN 2024

BRANDING
GRAPHICS PACKAGE
CUSTOM APPLICATION
AUGMENTED GRAPHICS

▶ AUSTRALIAN OPEN REEL



Girraphic has been providing graphics for the Australian Open since 2016. This includes virtual graphics in main arenas (Rod Laver, Margaret Court, etc) featuring live stats and tracking, as well as in-match graphics. Additionally, we handle the tournament's rebranding, which encompasses LED screens and pre-rendered assets. Apart from graphics, Girraphic also develops custom control applications and provides technical support for all Australian Open courts.



	TSITSIPAS (6)	/	4	7 ⁹	2	4	15
	SIMON		6	6 ⁷	6	3	15

NOVAK SRB
 (1) **DJOKOVIC**

SERVER'S PROFILE

DEUCE COURT **86%**

AD COURT **100%**

ausopen.com



MATCH SUMMARY

Djokovic wins 6-4 6-3 4-6 3-6 6-3 ⌚ 2h 58m

NOVAK
(1) DJOKOVIC
SRB



NICK
KYRGIOS
 AUS

72%	1st Serve %	62%
64%	1st Serve Points Won %	76%
18	Aces	20
2	Double Faults	4
24	Forehand Winners	28
12	Backhand Winners	14
4/14	Break Points Won	6/20
10/12	Net Points Won	29/40
36	Unforced Errors	32



WINNER

DJOKOVIC (1)

NEXT ROUND
DJOKOVIC (1)
/ ALCARAZ (2) or KYRGIOS

#ausopen

Infosys

ausopen.com





AO
NOVAK
(1) DJOKOVIC
SRB 🇷🇸

ROAD TO THE FINAL

Round 1
FLORIAN MAYER
6-3 6-4 6-4

Round 2
MARCOS BAGHDATIS
6-3 6-1 6-3

Round 3
ALEX ZVEREV (w)
4-6 6-3 6-7 6-3 6-2

Round 4
GAEL MONFILS
6-3 6-3 4-6 6-4

Quarterfinal
MILOS RAONIC
6-4 7-6 6-4

Semifinal
GREGOR DIMITROV (w)
6-4 5-7 7-6 6-7 6-4

AO
ausopen.com



WOMEN'S DOUBLES - 1ST ROUND		42	46
BOGDAN/MASAROVA	ROU/ESP	6	5
EIKERI/HARRISON	NOR/USA	4	4

ausopen.com Infosys

AO SET 3 SUMMARY

DIMITROV 7-6¹ ⌚ 1h 12m

	GRIGOR DIMITROV BUL 🇧🇵	MARTON FUCSOVICS HUN 🇮🇷
68%	1st Serve %	60%
87%	1st Serve Pts Won %	70%
43%	2nd Serve Pts Won %	55%
17	Winners	10
18	Unforced Errors	17
0/5	Break Points Won	0/2
82%	Hunting 3rd Shot Forehand	74%
763M	Total Distance	732M

#ausopen Infosys ausopen.com

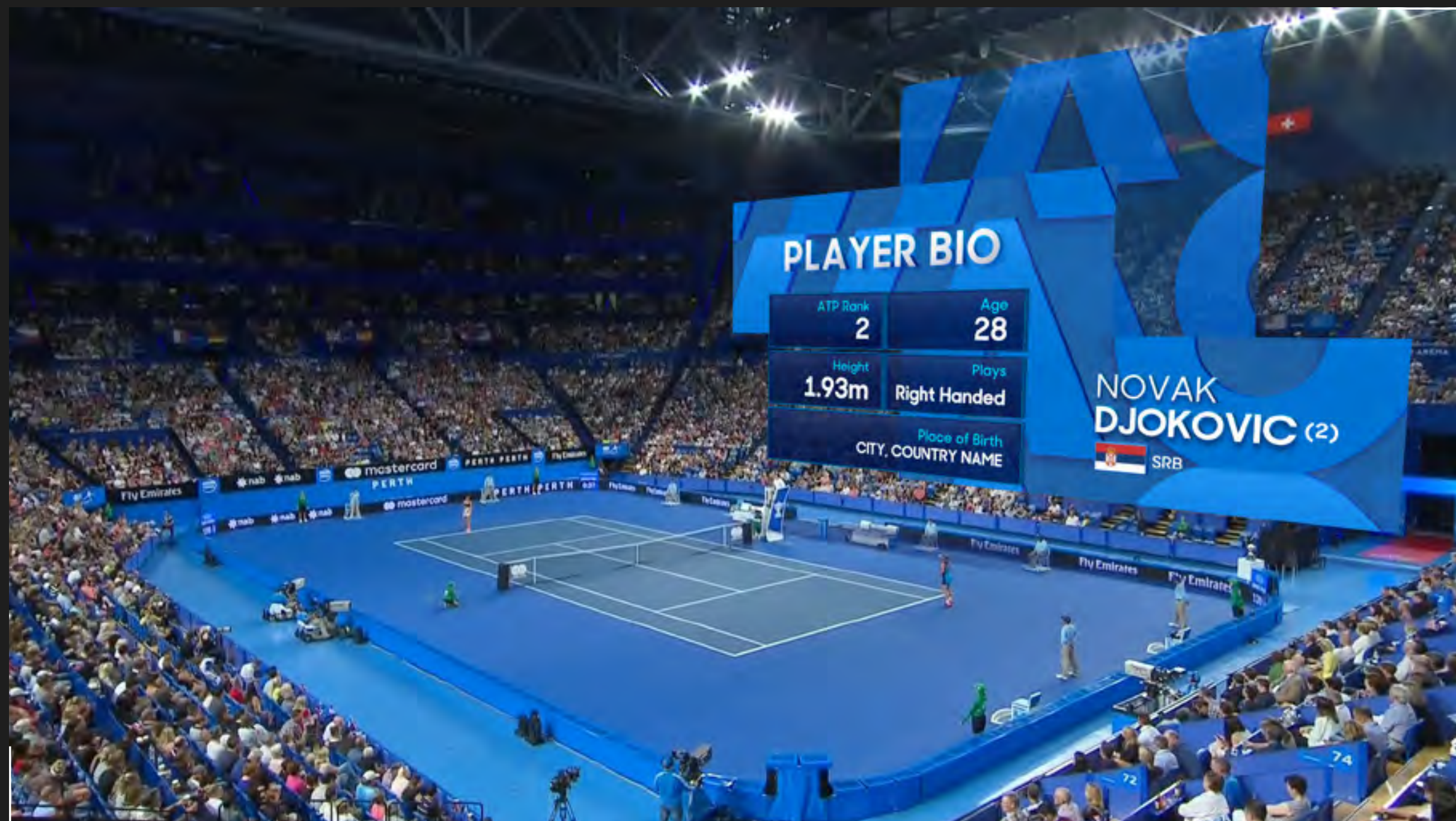
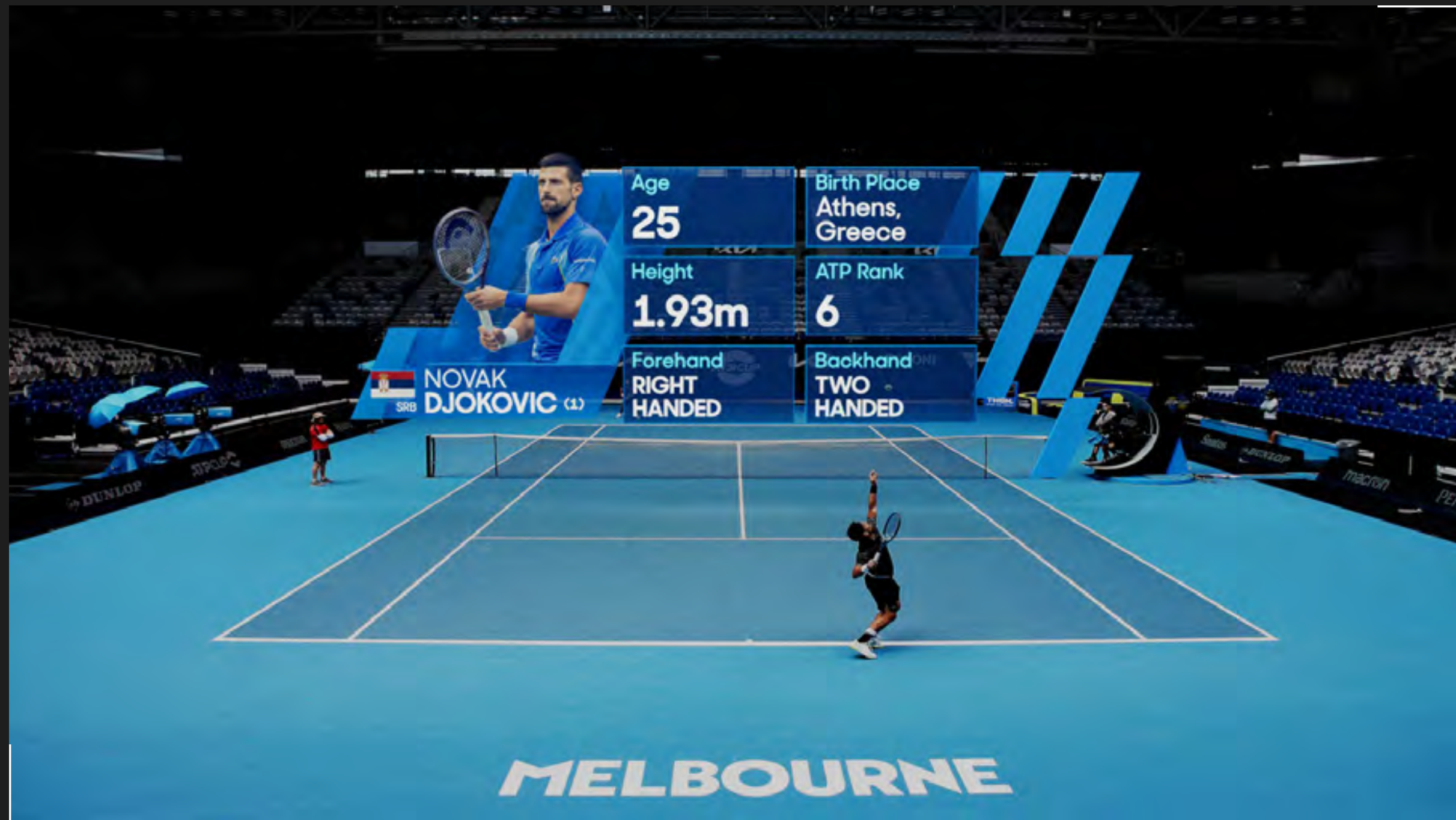
573
1573
GU
1

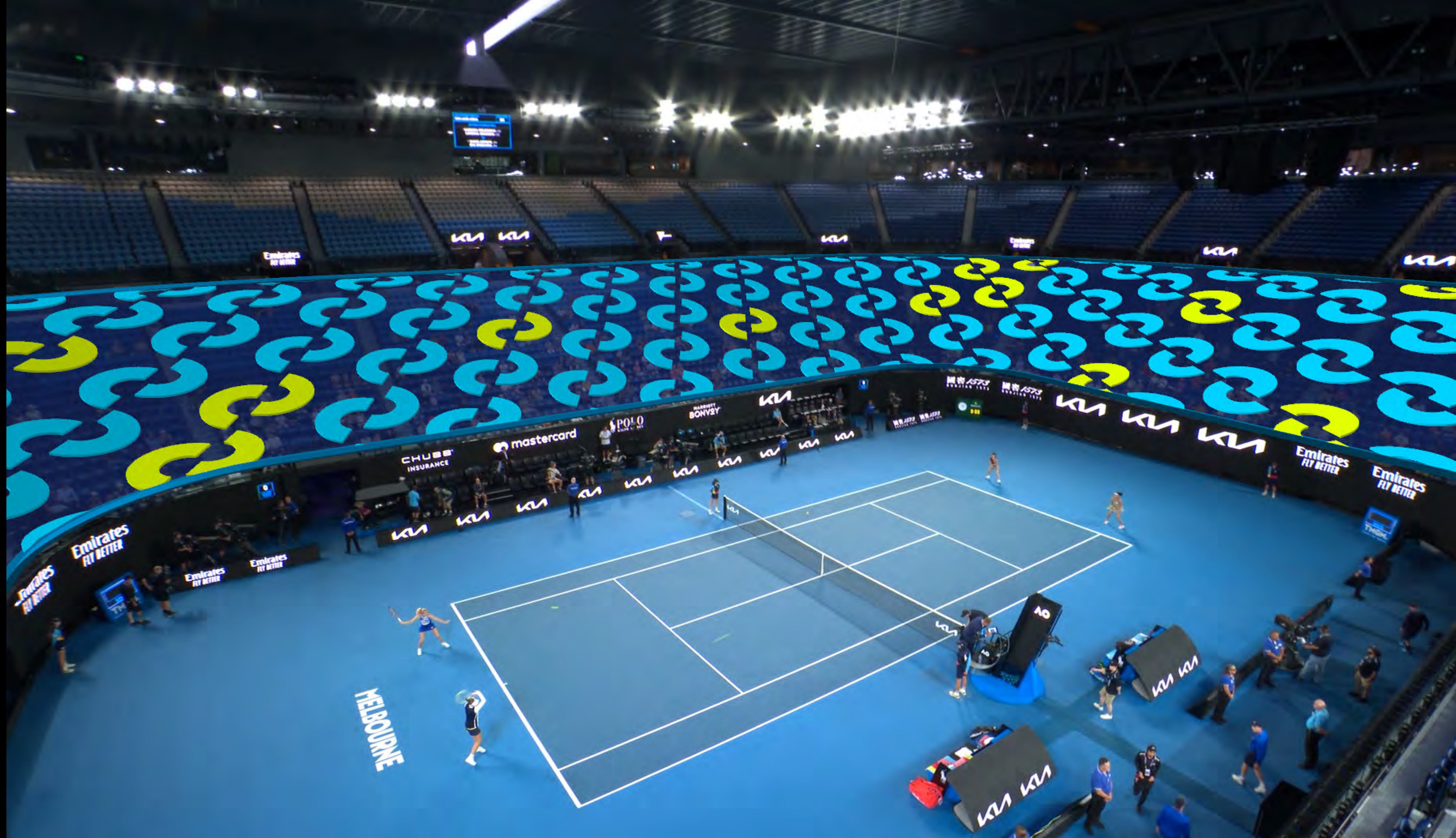
SET 3 COMPLETE

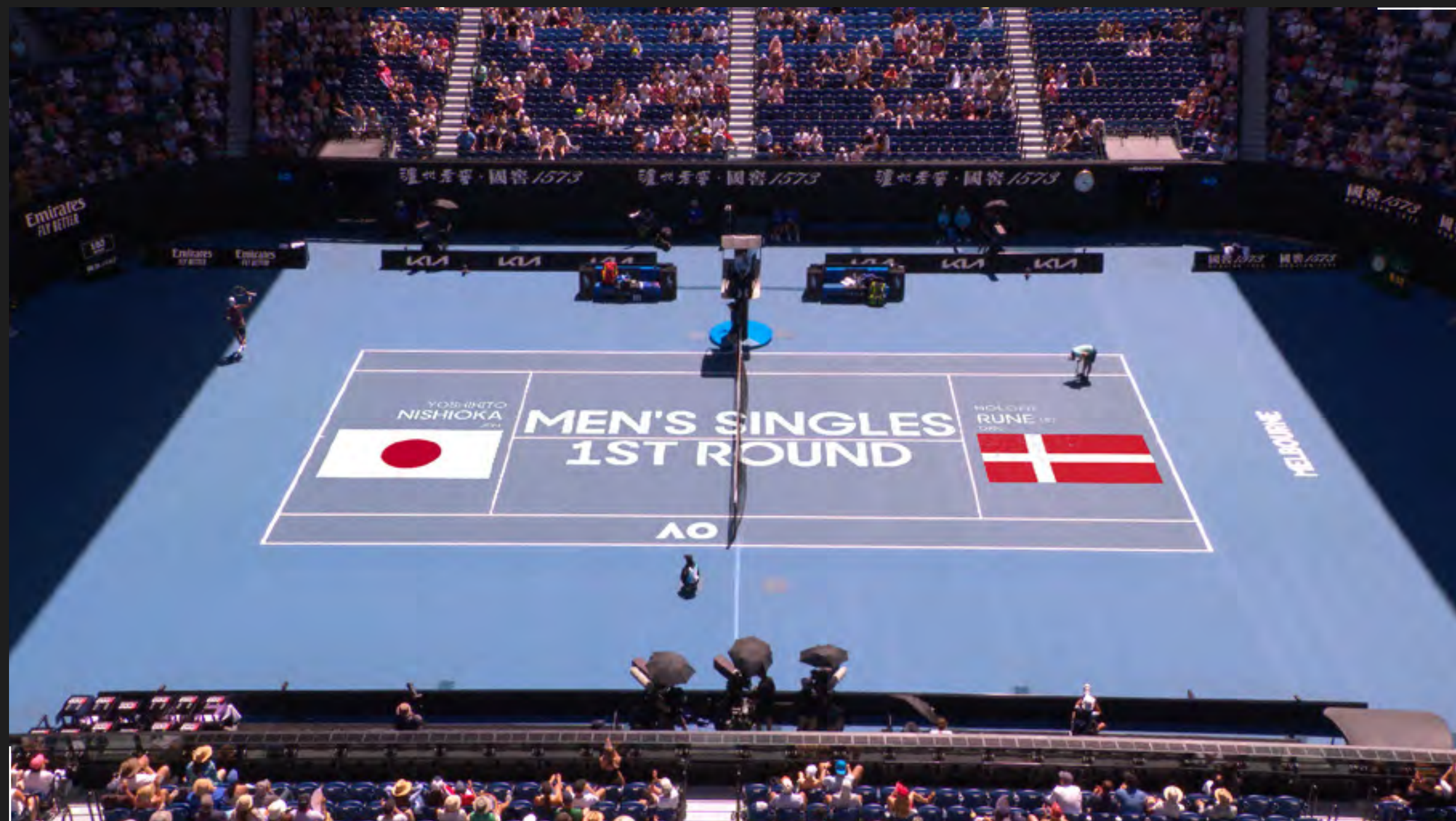
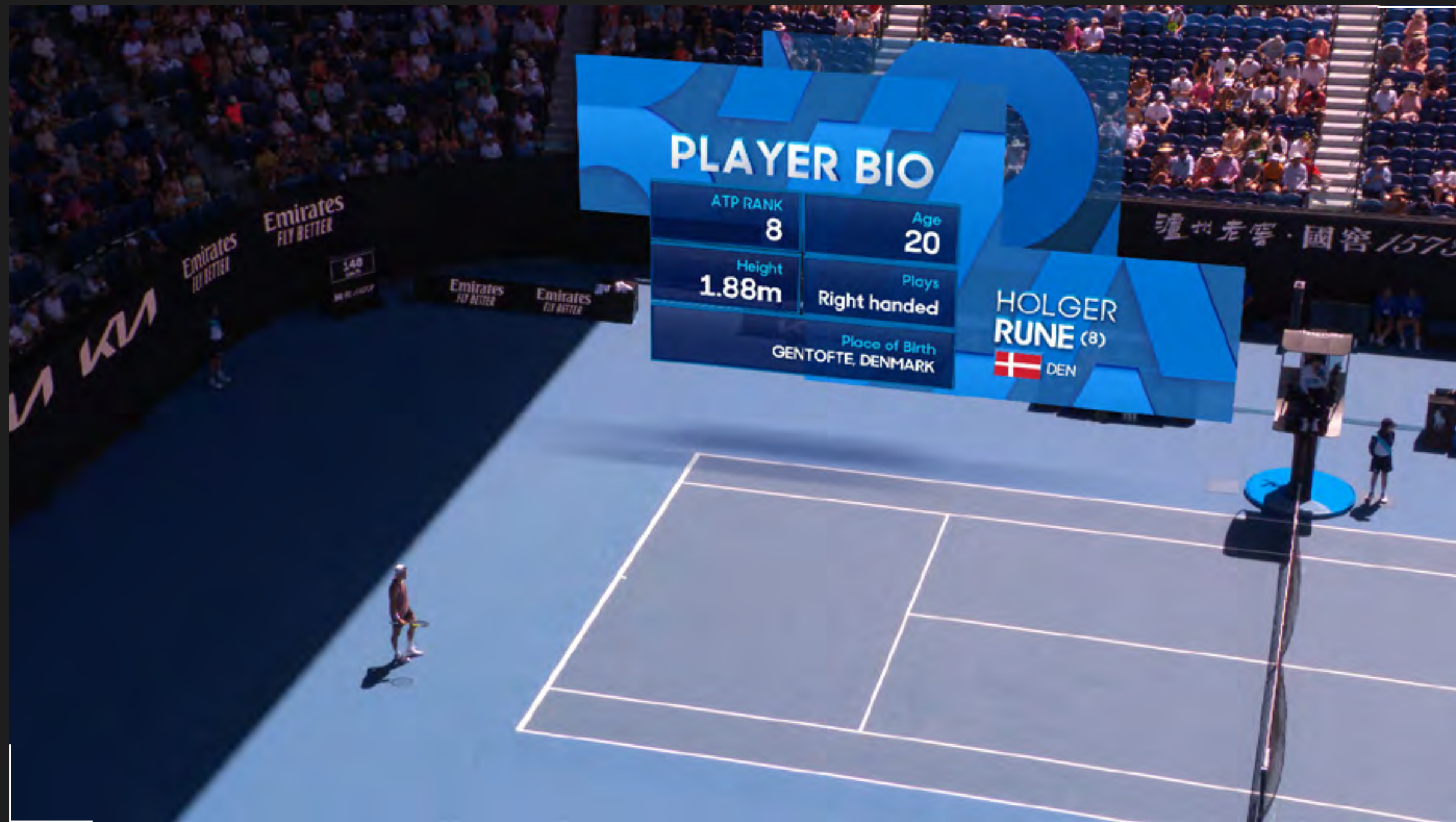
**WINNER OF MATCH
TO PLAY
OFNER
OF KOKKINAKIS**

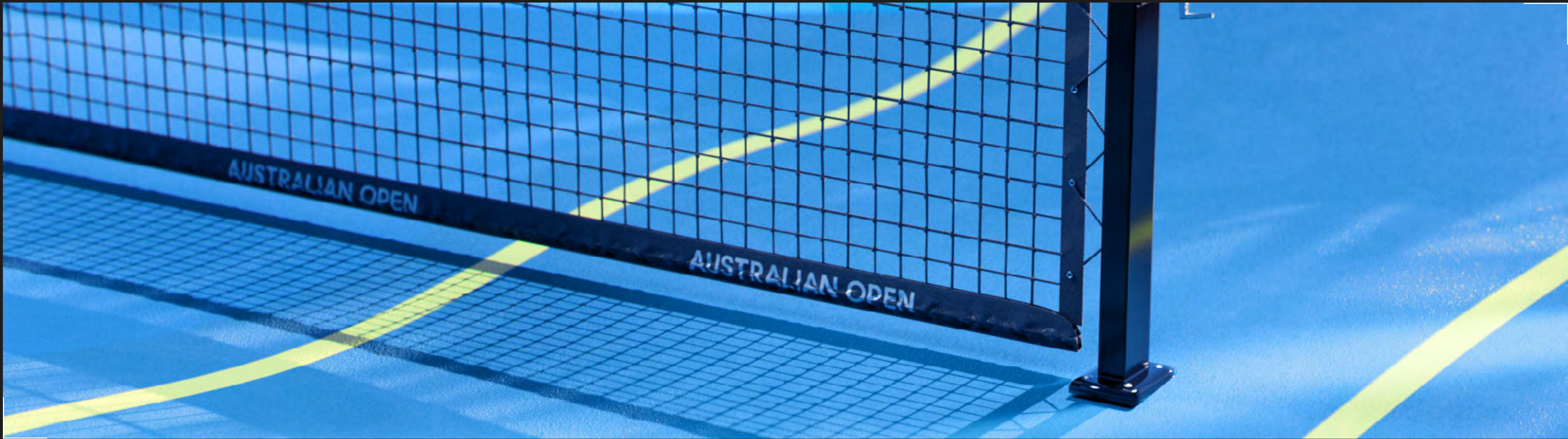


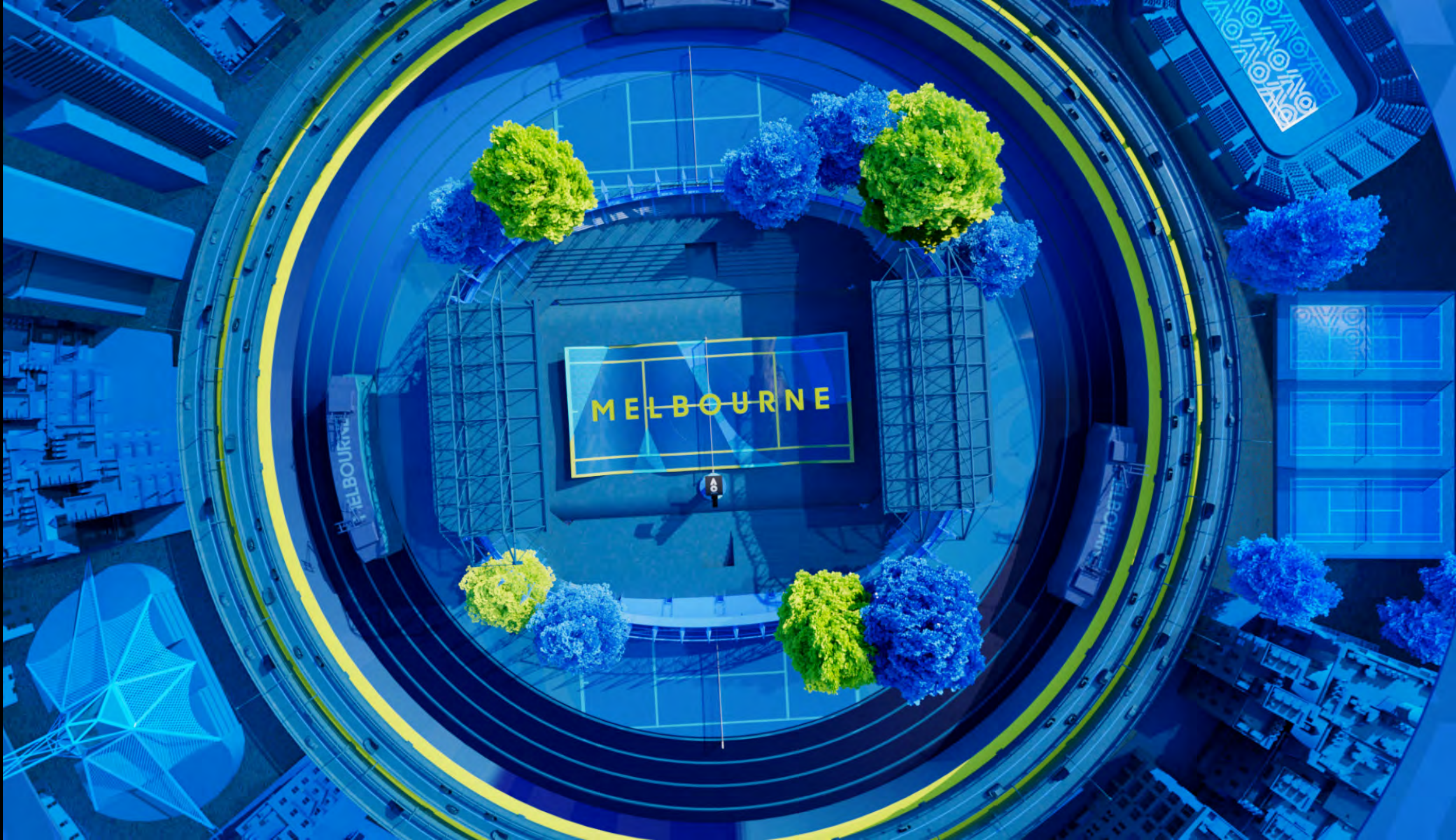
JOHN CAIN ARENA

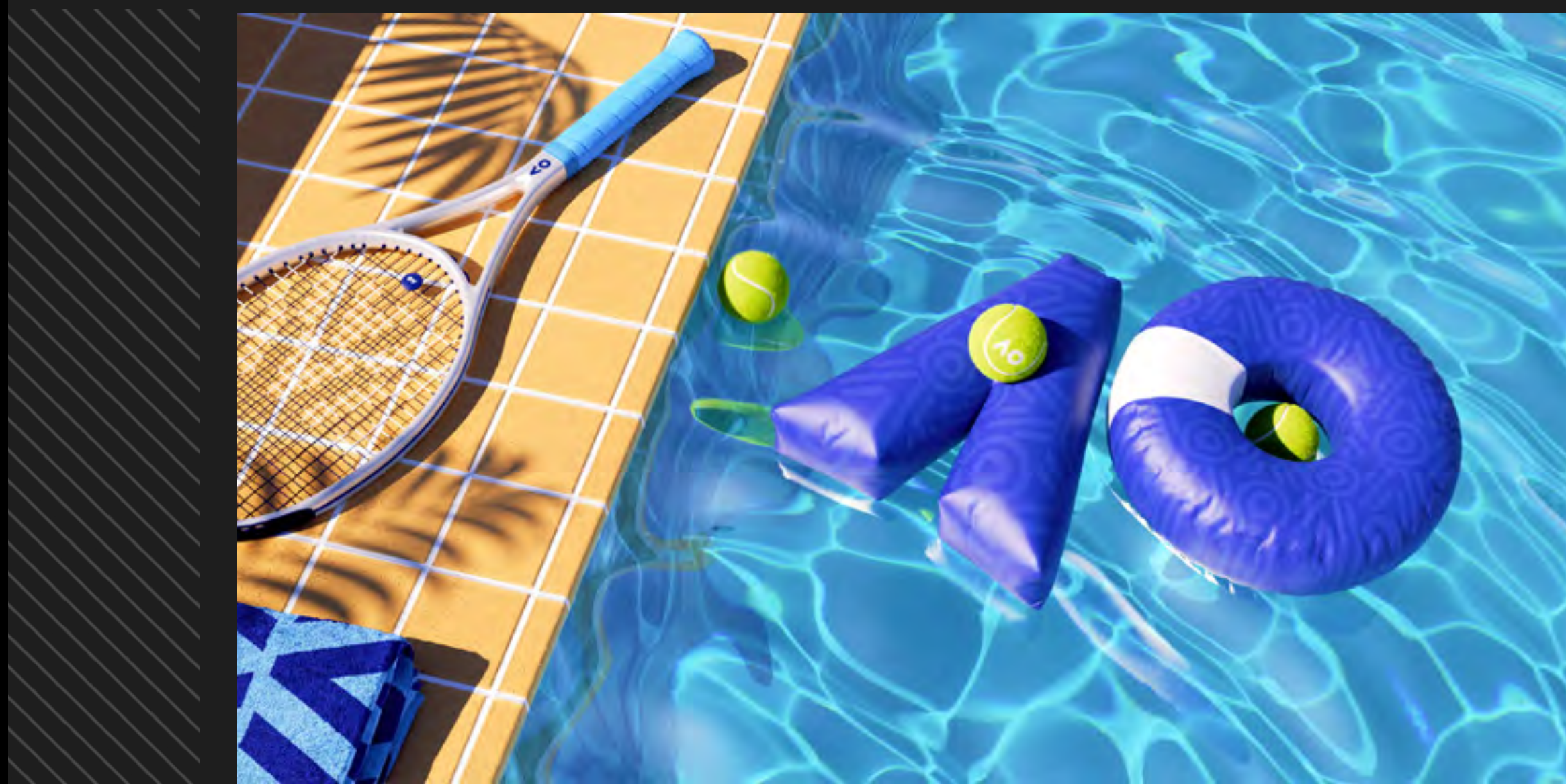
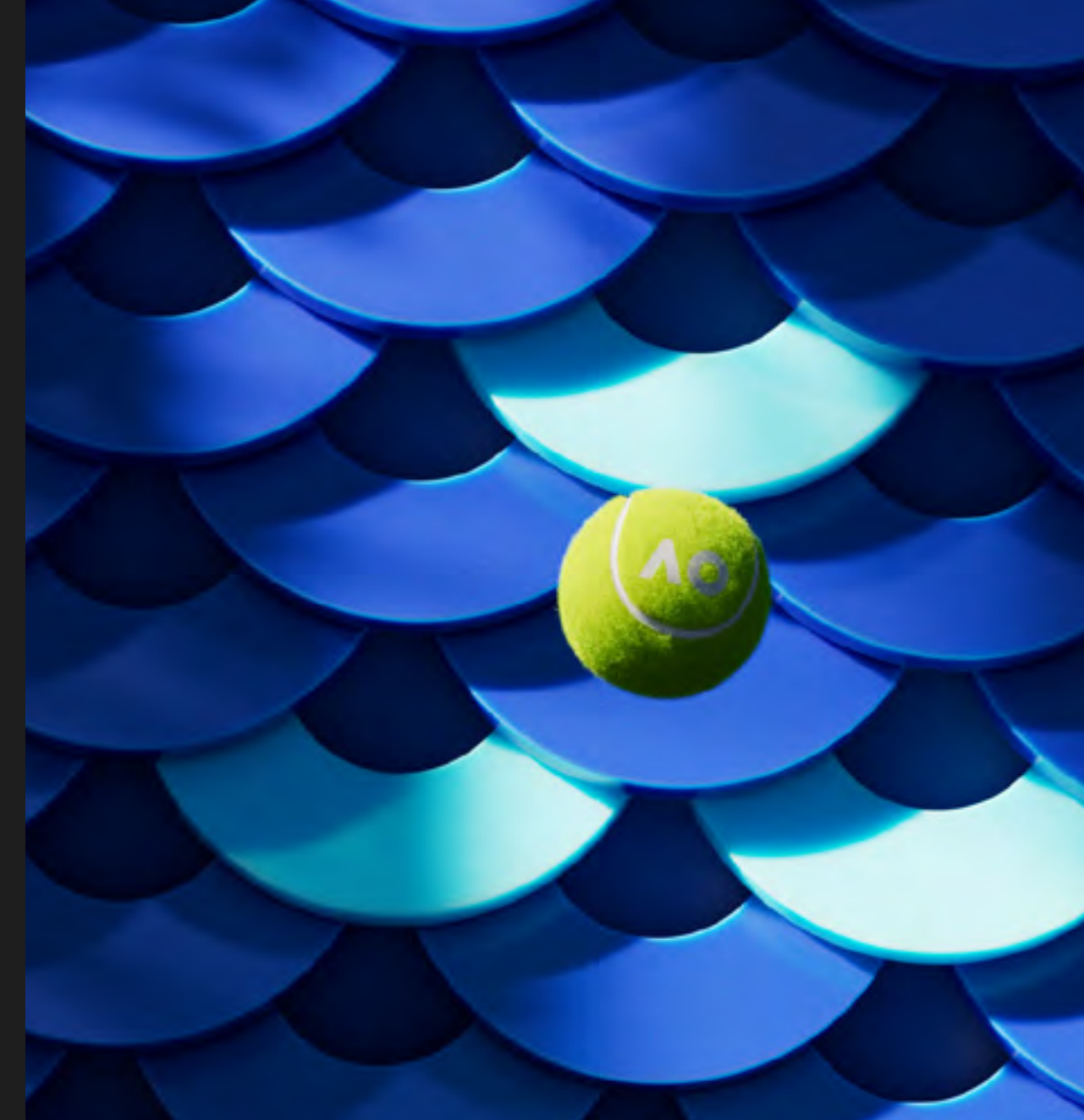


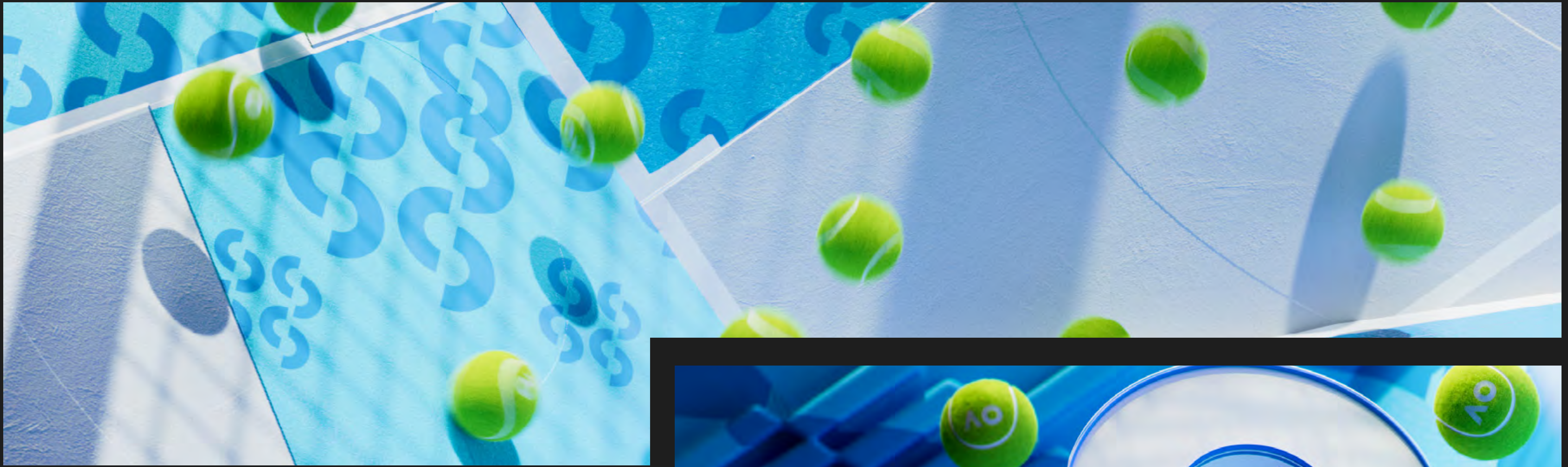




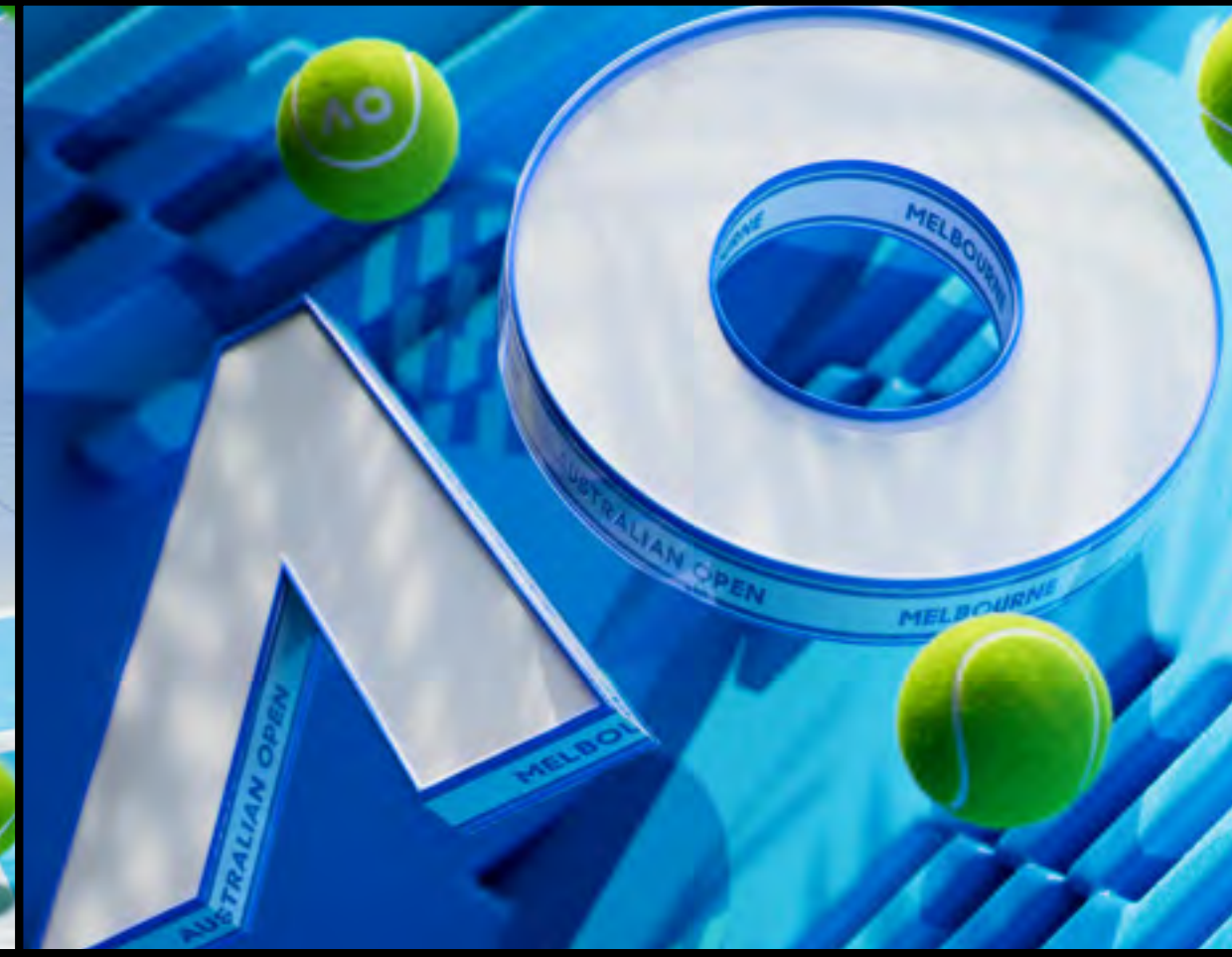
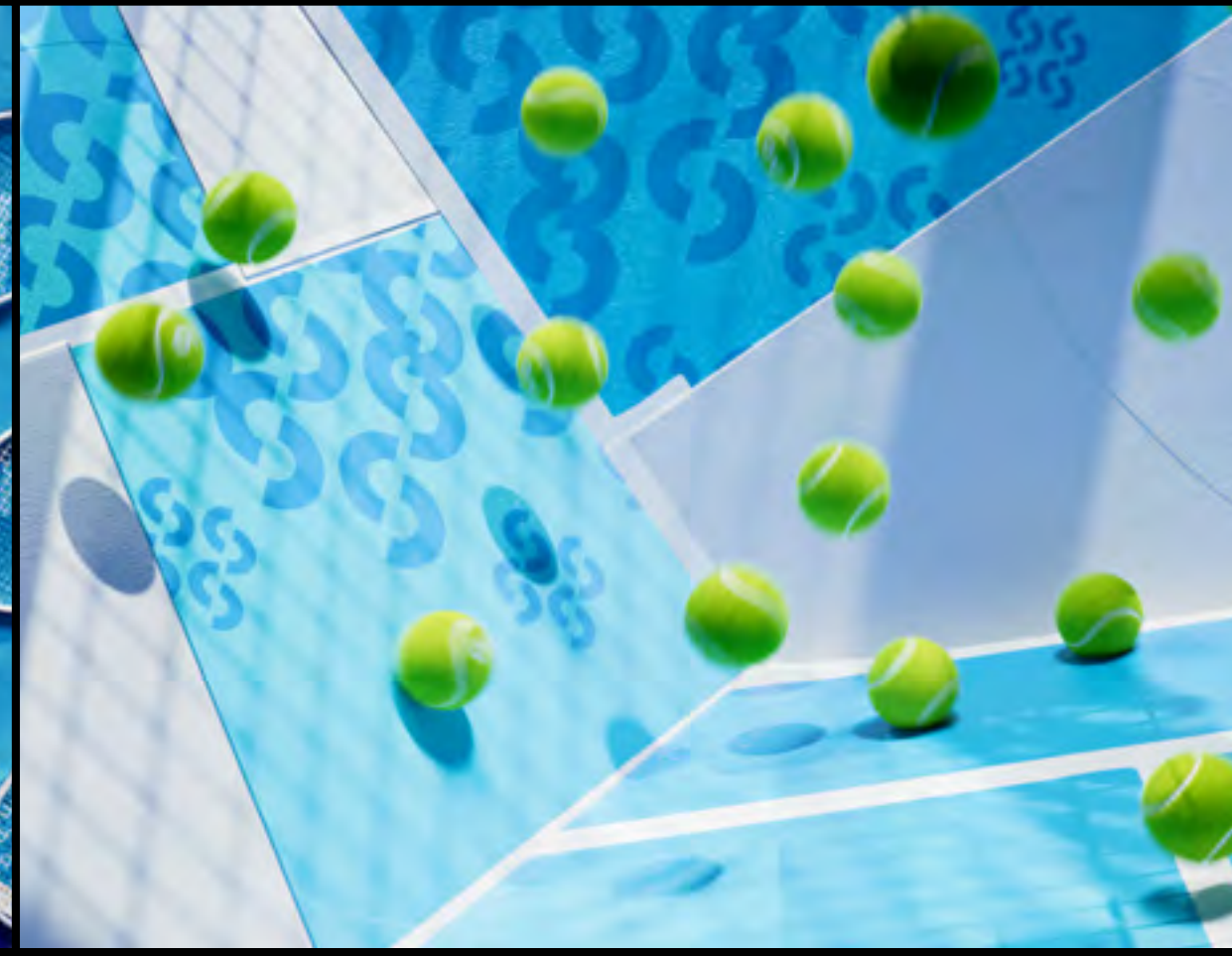
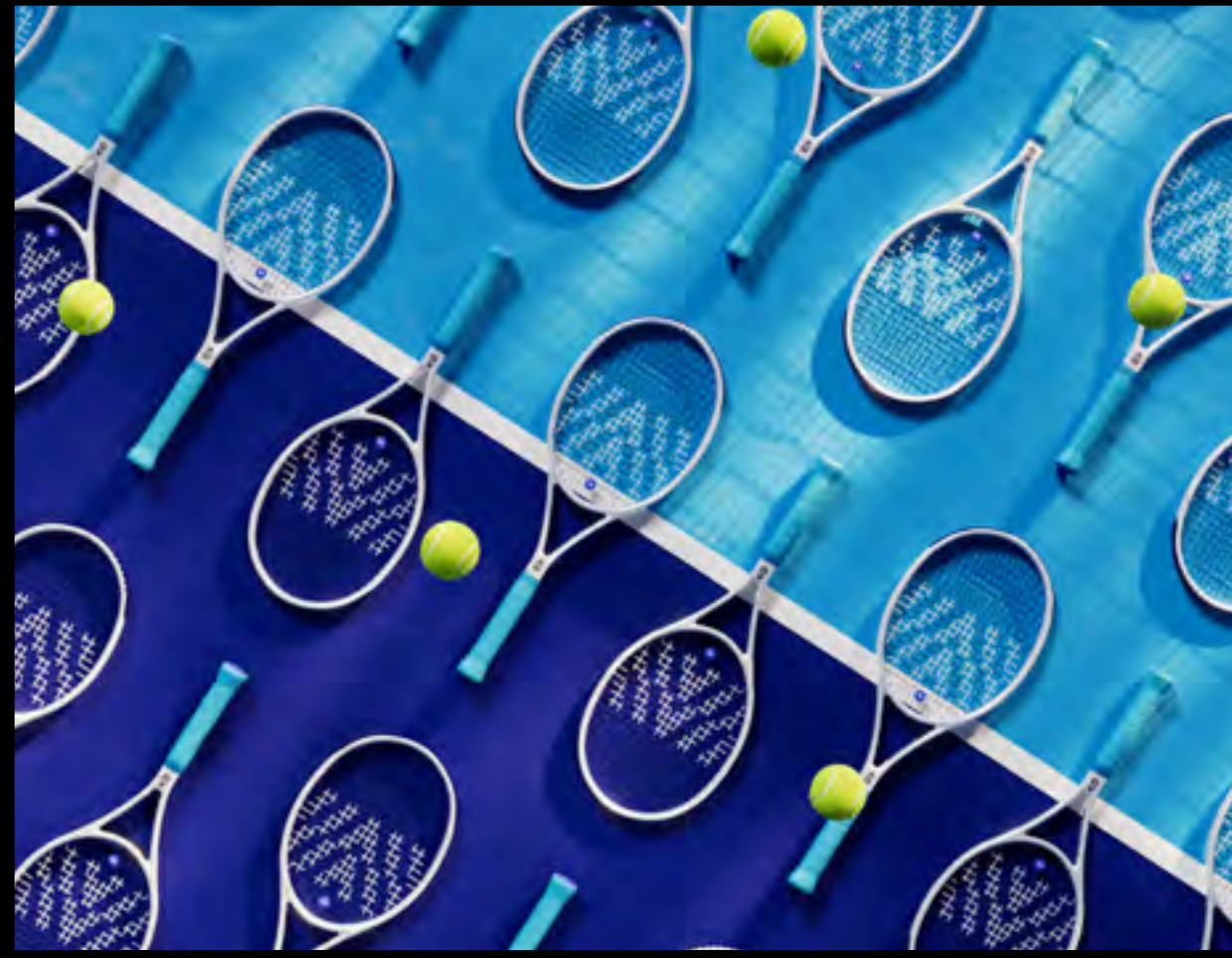
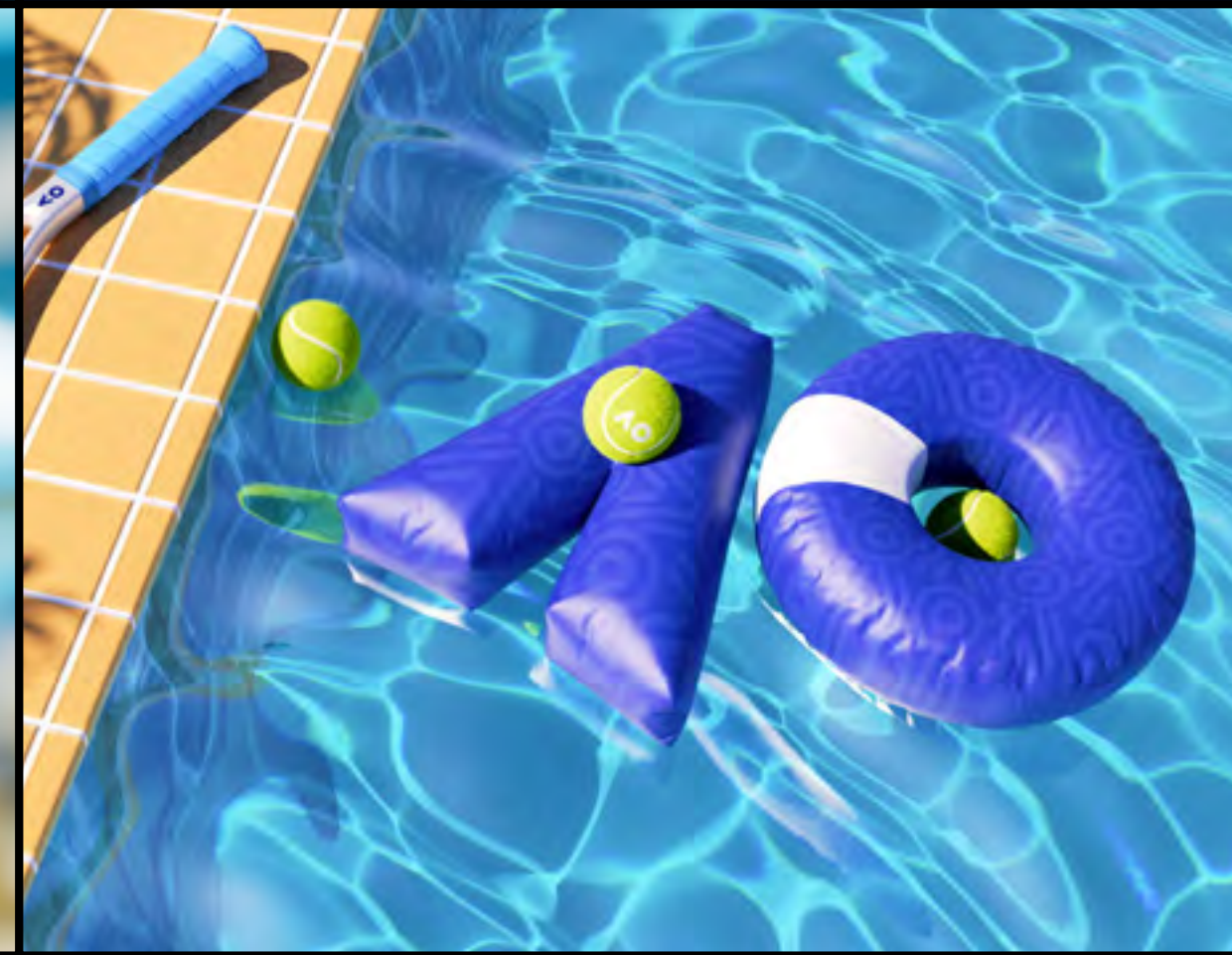
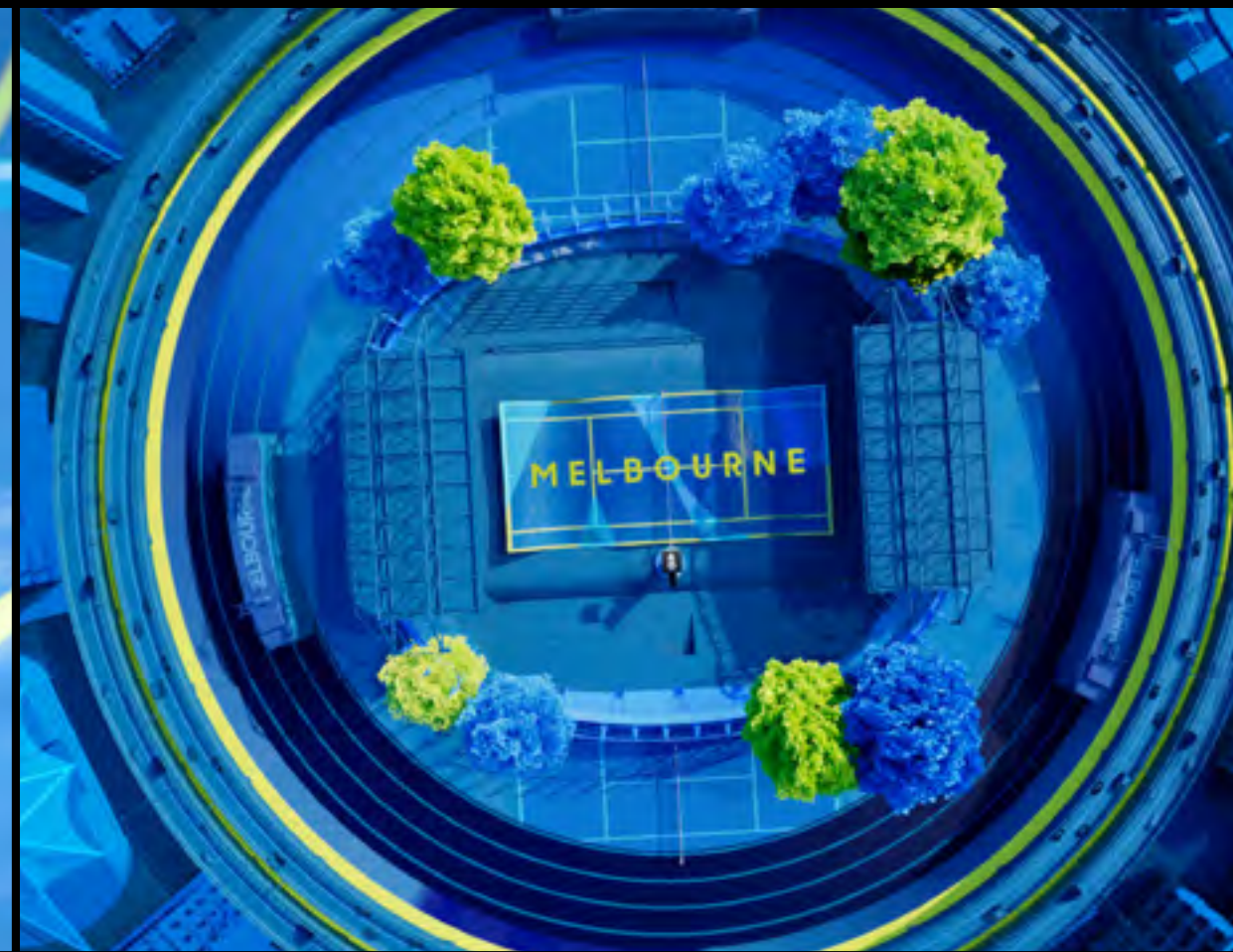
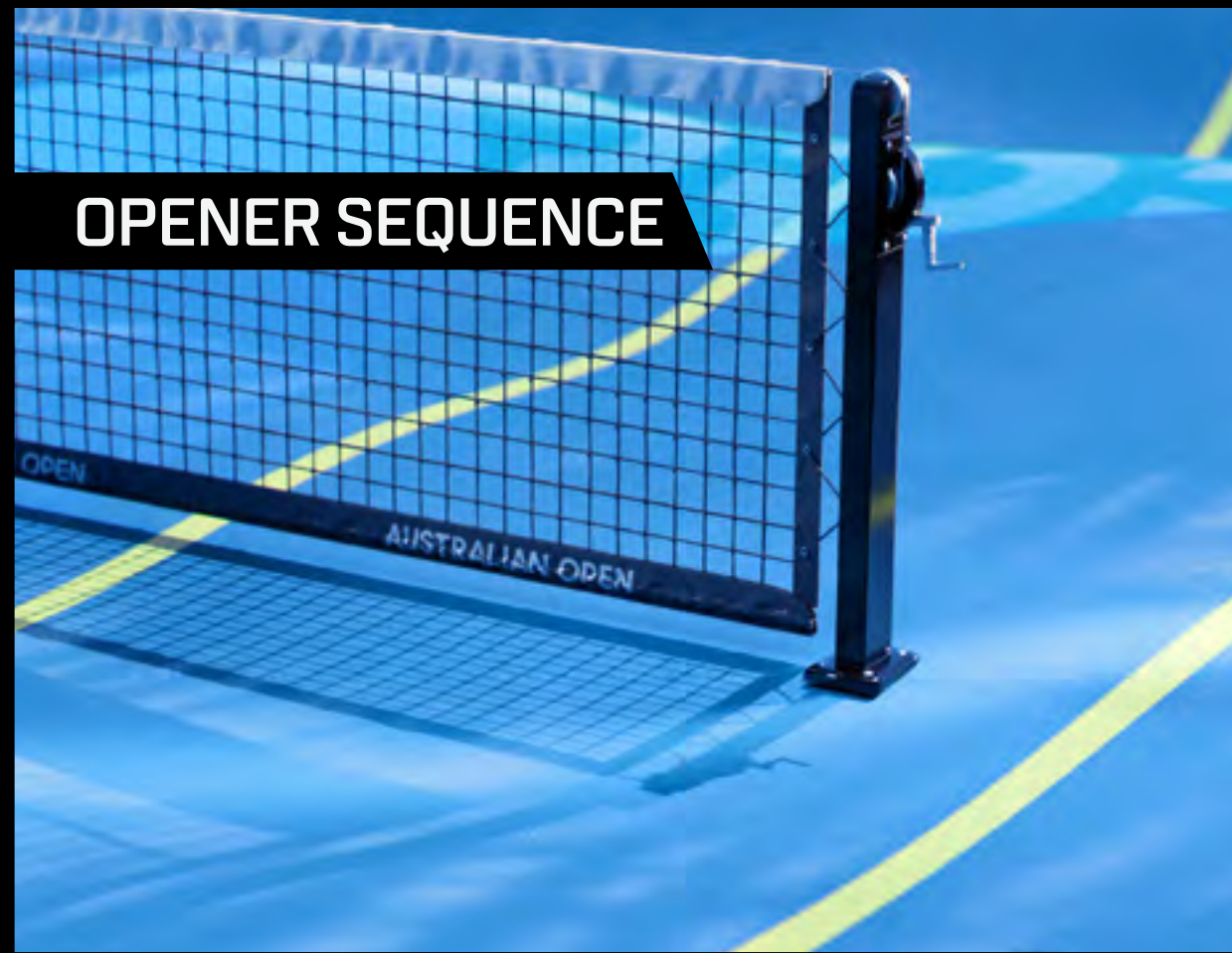








OPENER SEQUENCE



/
OUR
MAJOR
PROJECTS



AMAZON PRIME VIDEO - THURSDAY NIGHT FOOTBALL

SPORTS ANALYSIS TOOL

▶ **TNF TABLE TALK REEL**







MNF ON **ESPN**
PEYTON & ELI



ESPN MANNINGCAST

SPORTS ANALYSIS TOOL

 **MANNINGCAST REEL**



ESPN MONDAY NIGHT COUNTDOWN

Panera BREAD



ESPN NFL

Dolphins selected for in-season "Hard Knocks"
Dolphins are 5-2 this season, in 1st in AFC East

EXCLUSIVELY ON ESPN+

NFL PRIMETIME ON ESPN+
WEEK 7 HIGHLIGHTS NOW STREAMING



MNF on ESPN PEYTON & ELI



5-1

14

19

2-4



3RD

5:54

25

MONDAY NIGHT FOOTBALL

TRADITIONAL TELECAST AVAILABLE ON ESPN & ABC



ESPN MONDAY NIGHT COUNTDOWN

Panera BREAD



ESPN NFL

Dolphins selected for in-season "Hard Knocks"
Dolphins are 5-2 this season, in 1st in AFC East

EXCLUSIVELY ON ESPN+

NFL PRIMETIME ON ESPN+
WEEK 7 HIGHLIGHTS NOW STREAMING



MNF on ESPN PEYTON & ELI



5-1

14

19

2-4



3RD

5:51

40

MONDAY NIGHT FOOTBALL

TRADITIONAL TELECAST AVAILABLE ON ESPN & ABC



5-1 **14** **19** 2-4  3RD 5:5

TRADITIONAL TELECAST AVAILABLE ON ESPN & ABC



MNF on ESPN PEYTON & ELI  8-1 **7** **14** 7-2  2ND 1:45 25 MONDAY NIGHT FOOTBALL

TRADITIONAL TELECAST AVAILABLE ON ESPN & ABC



MNF on ESPN PEYTON & ELI  8-1 **7** **14** 7-2  2ND 1:45 21 MONDAY NIGHT FOOTBALL

TRADITIONAL TELECAST AVAILABLE ON ESPN & ABC



NETFLIX



NETFLIX SLAM

BRANDING
GRAPHICS PACKAGE
CUSTOM APPLICATION
AUGMENTED GRAPHICS


▶ NETFLIX SLAM REEL

NETFLIX SLAM


HEAD-TO-HEAD

3 CAREER MEETINGS

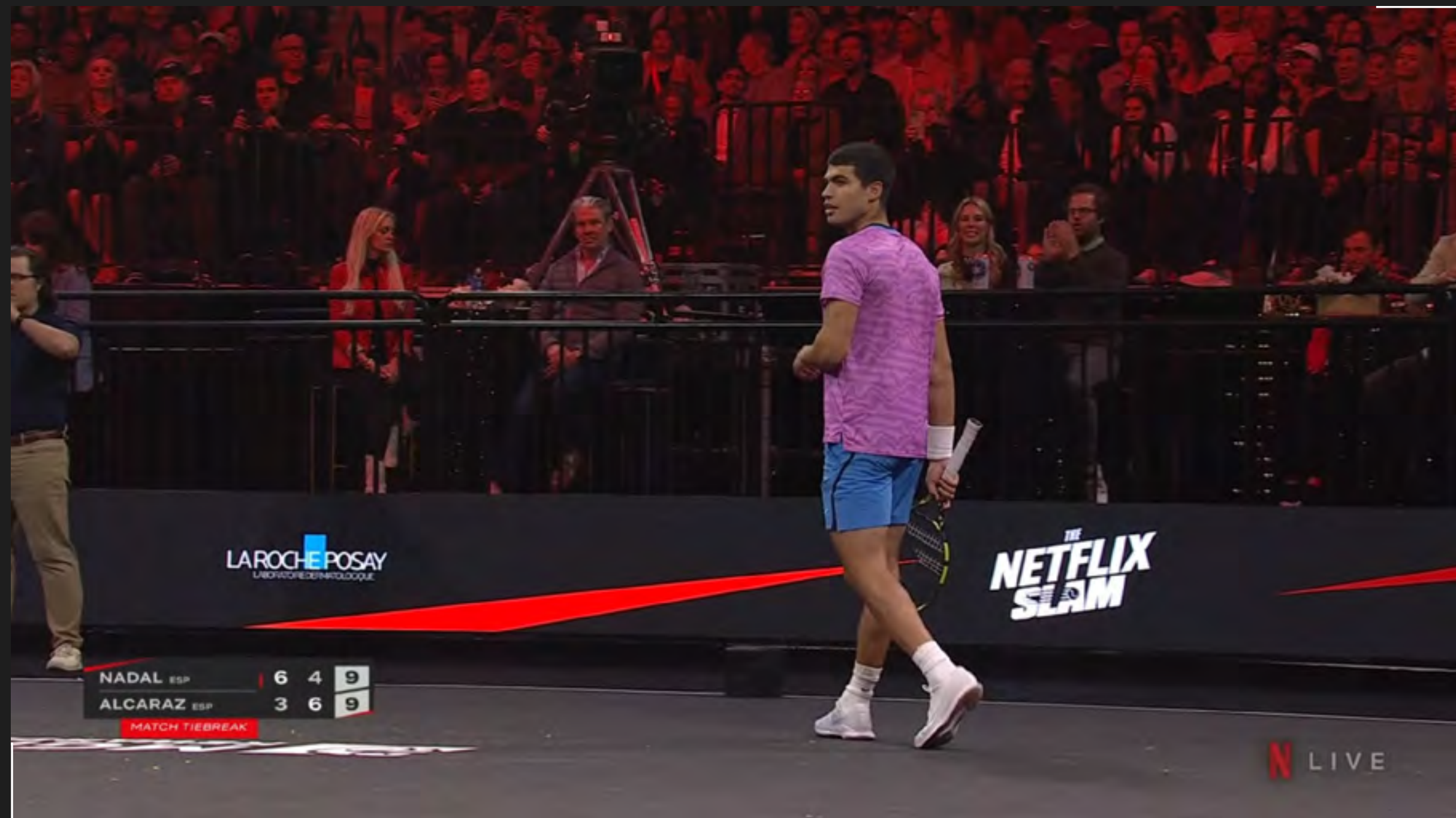
2	OVERALL	1
2021 MADRID - 2ND RD NADAL 6-1, 6-2		
2022 INDIAN WELLS - SF NADAL 6-4, 4-6, 6-3		
2022 MADRID - QF ALCARAZ 6-2, 1-6, 6-3		



RAFAEL NADAL
ESP



CARLOS ALCARAZ
ESP



LAROCHE POSAY
LABORATOIRE D'INNOVATION

NETFLIX SLAM

NADAL ESP	6	4	9
ALCARAZ ESP	3	6	9

MATCH TIEBREAK

N LIVE



LAROCHE POSAY
LABORATOIRE D'INNOVATION

NETFLIX SLAM

R. NADAL ESP	37'	49'	6	4
C. ALCARAZ ESP			3	6

NETFLIX SLAM

N LIVE

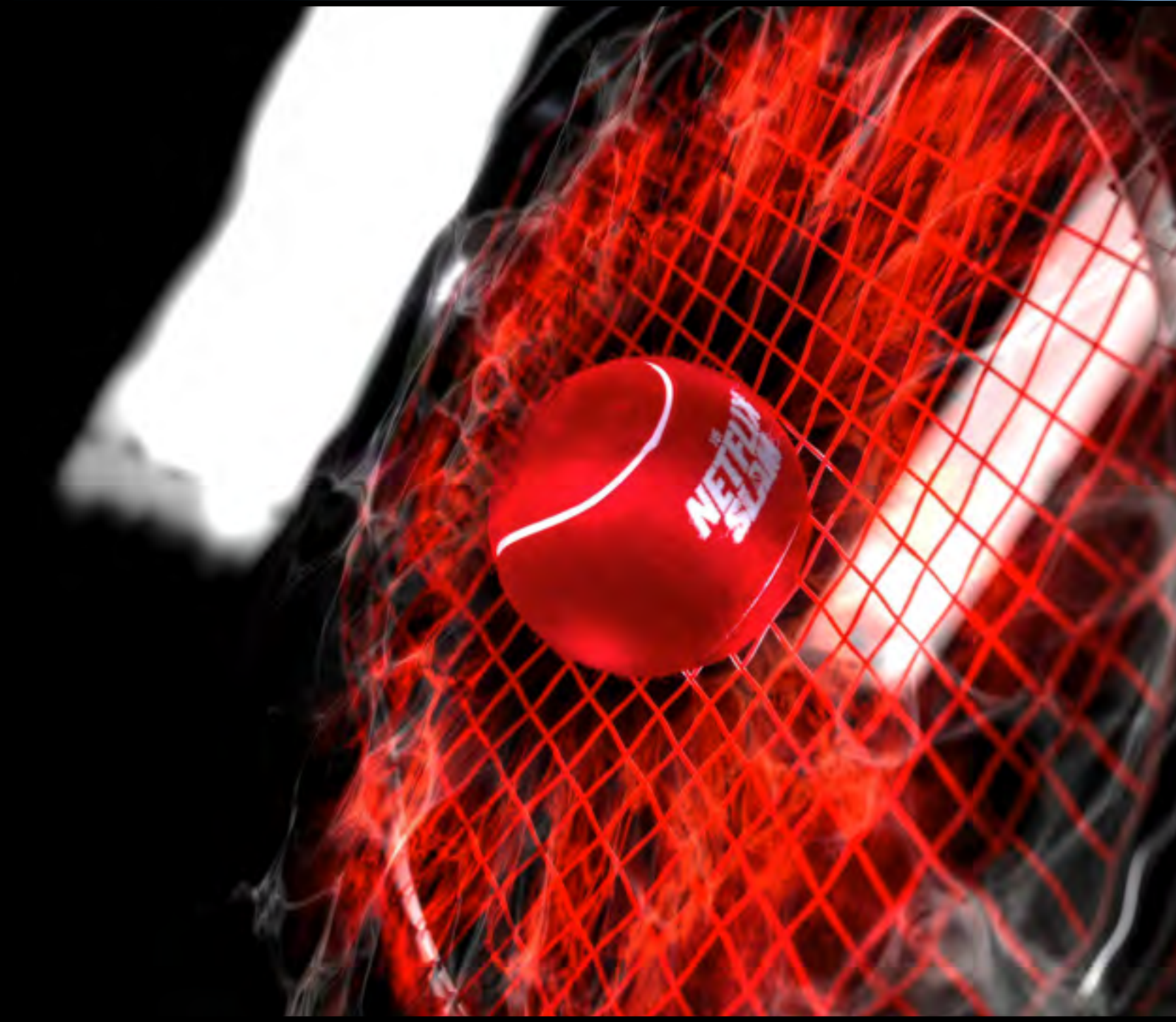


NETFLIX SLAM

KAY ADAMS | **PRAKASH AMRITRAJ** | **ANDY RODDICK** | **ANDRE AGASSI**



OPENER SEQUENCE



BUMPER SEQUENCE





TNT STUDIOS 2023 UEFA

VIRTUAL STUDIO
AUGMENTED GRAPHICS

[TNT UEFA REEL](#)

TONIGHT'S FIXTURES: REAL MADRID



JUDE BELLINGHAM

1st HALF TOUCH MAP

EUROPA LEAGUE - MATCHDAY 2

UEFA EUROPA LEAGUE - MATCHDAY 2



LIVERPOOL v UNION SG
Live from Anfield - Kick-Off: 20:00









RED BULL DUAL ASCENT

BRANDING
GRAPHICS PACKAGE
CUSTOM APPLICATION
AUGMENTED GRAPHICS

▶ DUAL ASCENT REEL

CONTRA

PITCH 6

LENGTH 18.0m

HOLDS 60

DIFFICULTY 8b

49:50

SLO VITA LUKAN

SLO DOMEN SKOFIC



PETRA KLINGLER SUI 129 bpm
 LOUNA LADEVANT FRA

16:13

SLO VITA LUKAN
 SLO DOMEN SKOFIC



JULIJA KRUDER SLO
JERNEJ KRUDER SLO



UKR JENYA KAZBEKOVA
ESP ALBERTO GINES LOPEZ



JULIJA KRUDER SLO
CURRENT HEIGHT 19.2m
AGE 25
HARDEST ROUTE: 8b+

01:31



UKR JENYA KAZBEKOVA
CURRENT HEIGHT 18.6m
AGE 27
HARDEST ROUTE: 8b+



LOUNA LADEVANT FRA
PETRA KLINGLER SUI

26:47

SLO DOMEN SKOFIC
SLO VITA LUKAN



49:30

150 bpm

SLO

VITA LUKAN
DOMEN SKOFIC



RED BULL DUAL ASCENT

VERZASCA DAM, SWITZERLAND



J. KAZBEKOVA

A. GINES LOPEZ

UKR

JENYA KAZBEKOVA

ESP

ALBERTO GINES LOPEZ

00:52





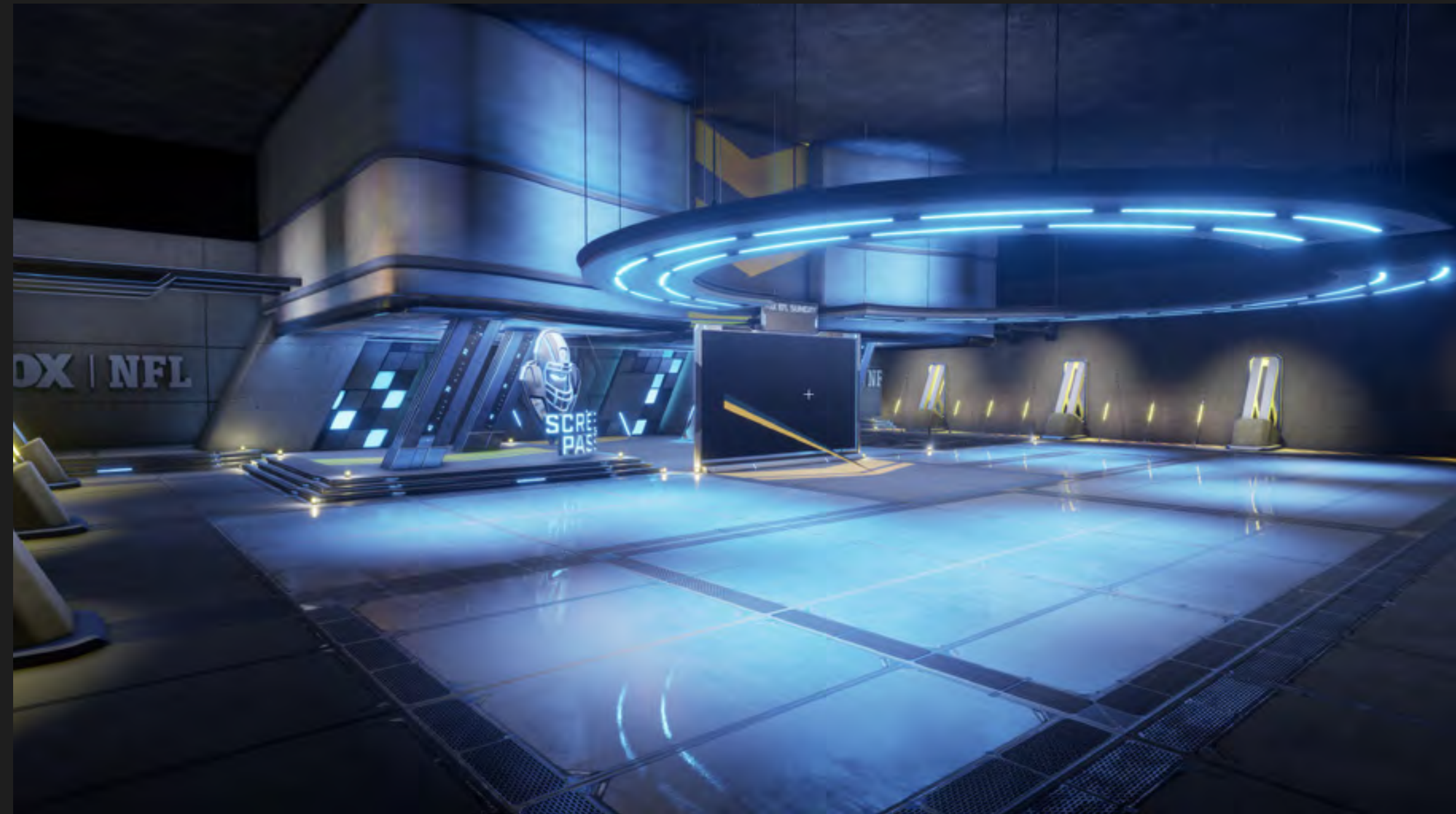
FOX NFL
SUNDAY



2022 FOX SPORTS SCREEN PASS

VIRTUAL PRODUCTION

 **SCREEN PASS REEL**





ON AIR



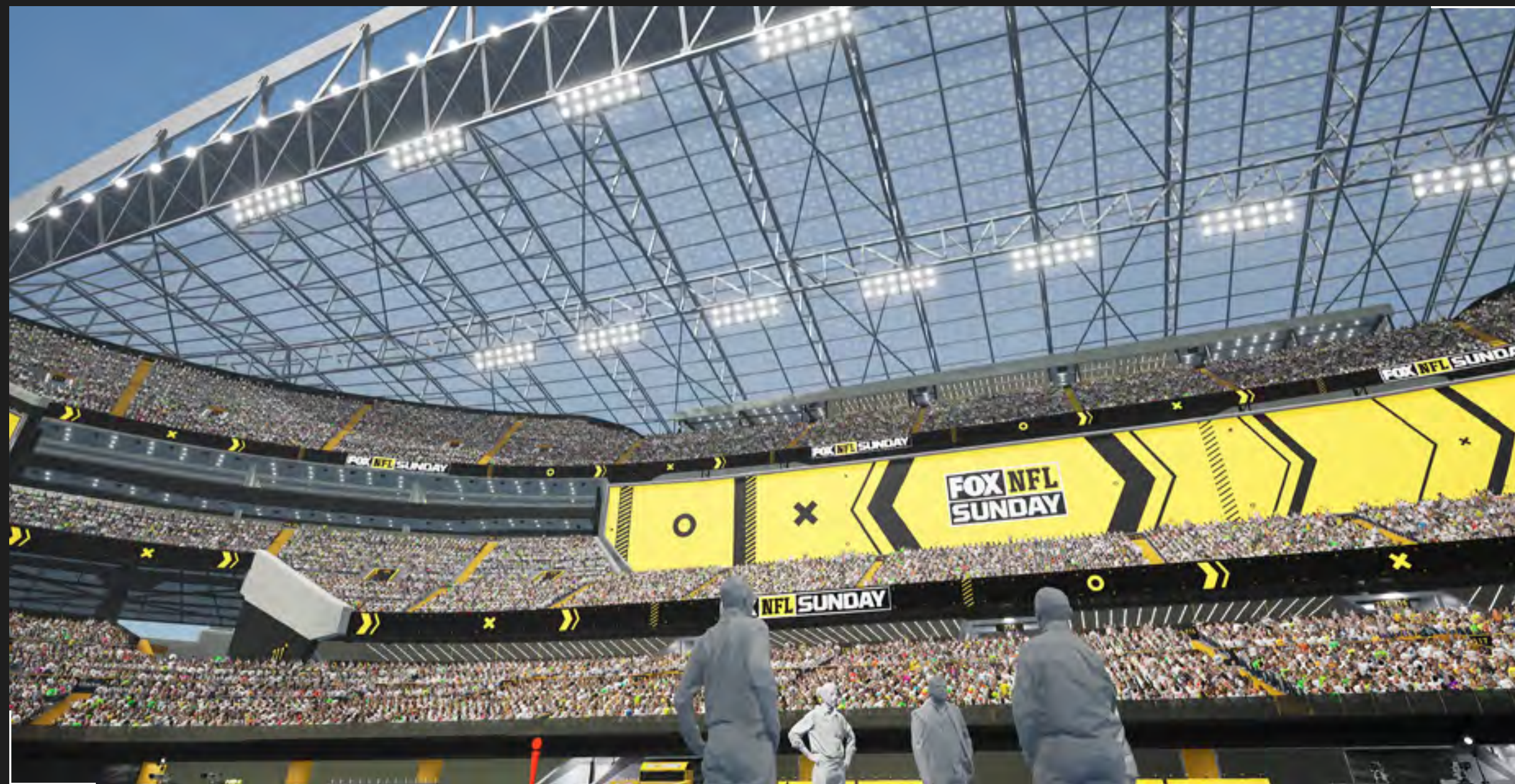


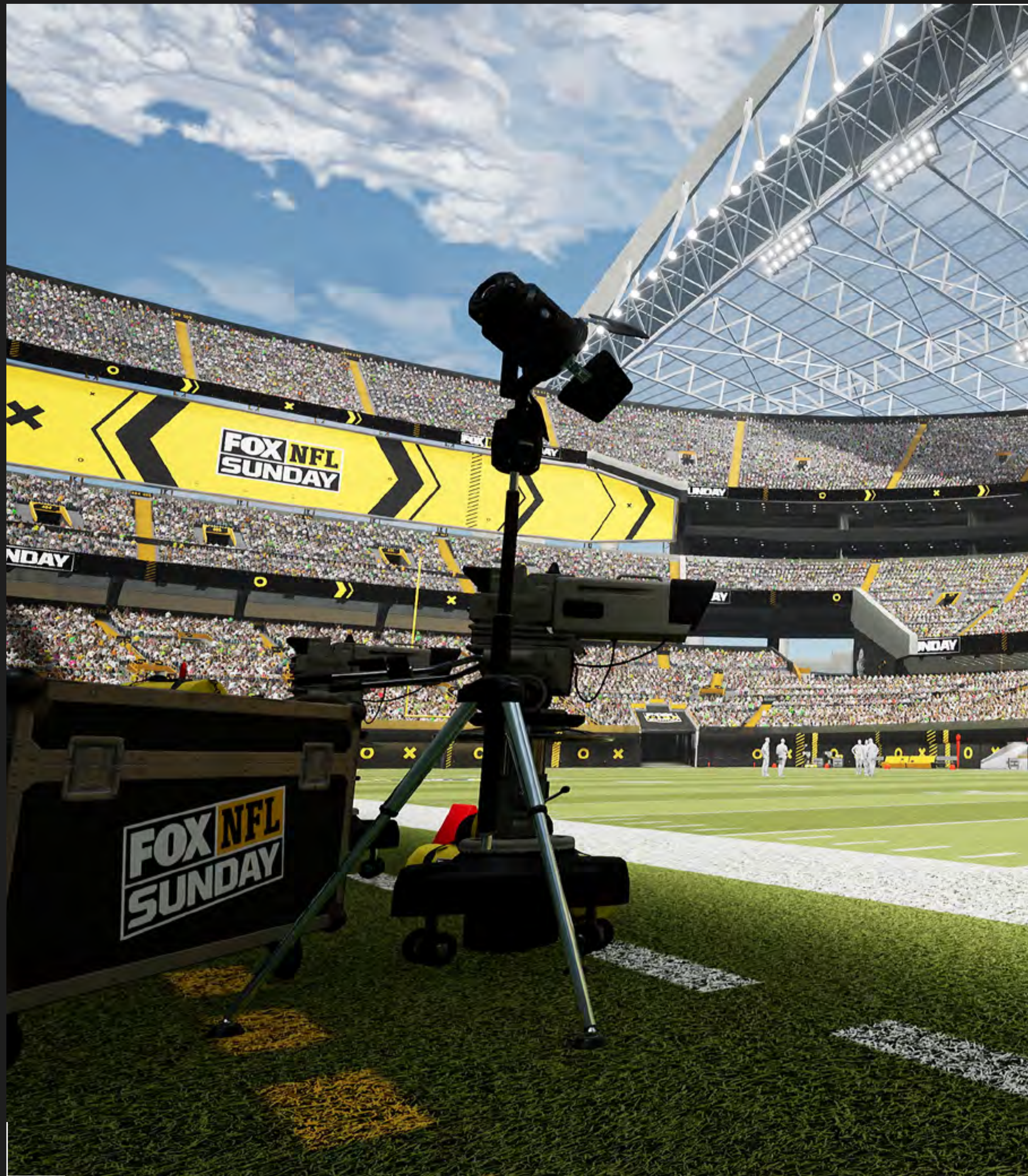
2022 FOX SPORTS ON THE FIELD

VIRTUAL PRODUCTION

▶ ON THE FIELD REEL







ON AIR



**TOM BRADY ENTERING 23RD NFL SEASON
AT AGE 45**

*7-time Super Bowl
Champion
► Most by NFL QB*





**FOX NFL
SUNDAY**



2022 FOX SPORTS COLD OPEN

VIRTUAL PRODUCTION

 **COLD OPEN REEL**





















FOX NFL
SUNDAY



2022 FOX SPORTS STAGE A DIGITAL TWIN

VIRTUAL STUDIO
AUGMENTED GRAPHICS

▶ **STUDIO A REEL**











**RASHOD
BATEMAN**



**DEVONTA
SMITH**



/
OUR
MAJOR
PROJECTS

WELCOME
TO
SIN
CITY
VEGAS
NEVADA



LEON
EDWARDS
21-3, 1 NC -165

UFC



ULTIMATE FIGHTING CHAMPIONSHIP

AUGMENTED GRAPHICS

 **UFC REEL**



GUADALAJARA, MEXICO



C VALENTINA SHEVCHENKO

23-3

C VALENTINA SHEVCHENKO 23-3

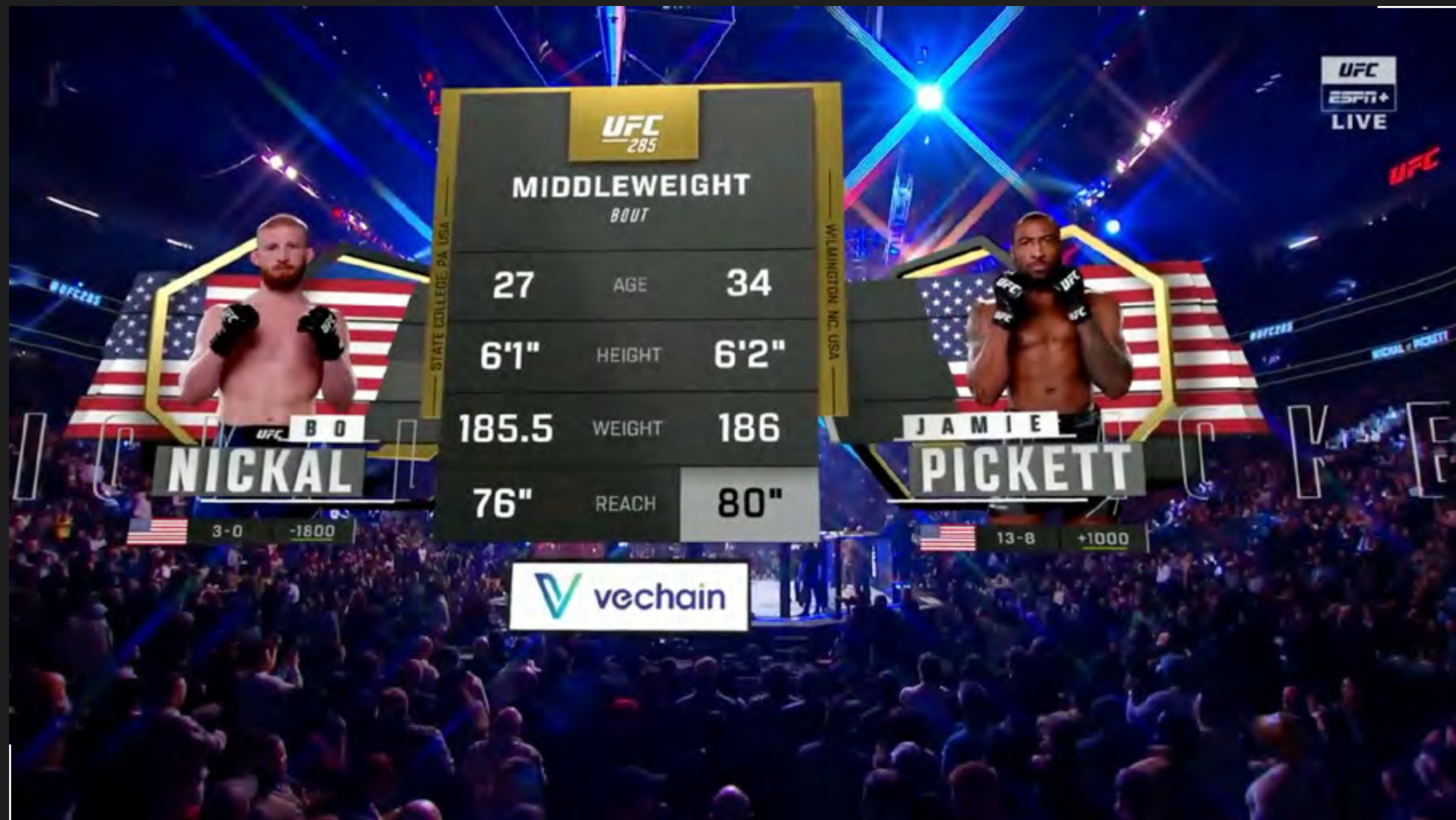
1	MANON FIOROT	10-1	6	ALEXA GRASSO	15-3
2	TAILA SANTOS	19-2	7	LAUREN MURPHY	16-6
3	ERIN BLANCHFIELD	11-1	8	VIVIANE ARAUJO	11-4
4	JESSICA ANDRADE	24-10	9	JENNIFER MAIA	20-9-1
5	KATLYN CHOOKAGIAN	18-5	10	ANDREA LEE	13-6



6 ALEXA GRASSO

15-3

TOP 10 FLYWEIGHTS





2023 SUPERCARS

BRANDING & GRAPHICS PACKAGE
CUSTOM APPLICATION
TELEMETRY DATA INTEGRATION
AUGMENTED GRAPHICS
TOUCHSCREEN
VIRTUAL ADVERTISING

▶ SUPERCARS OPENER

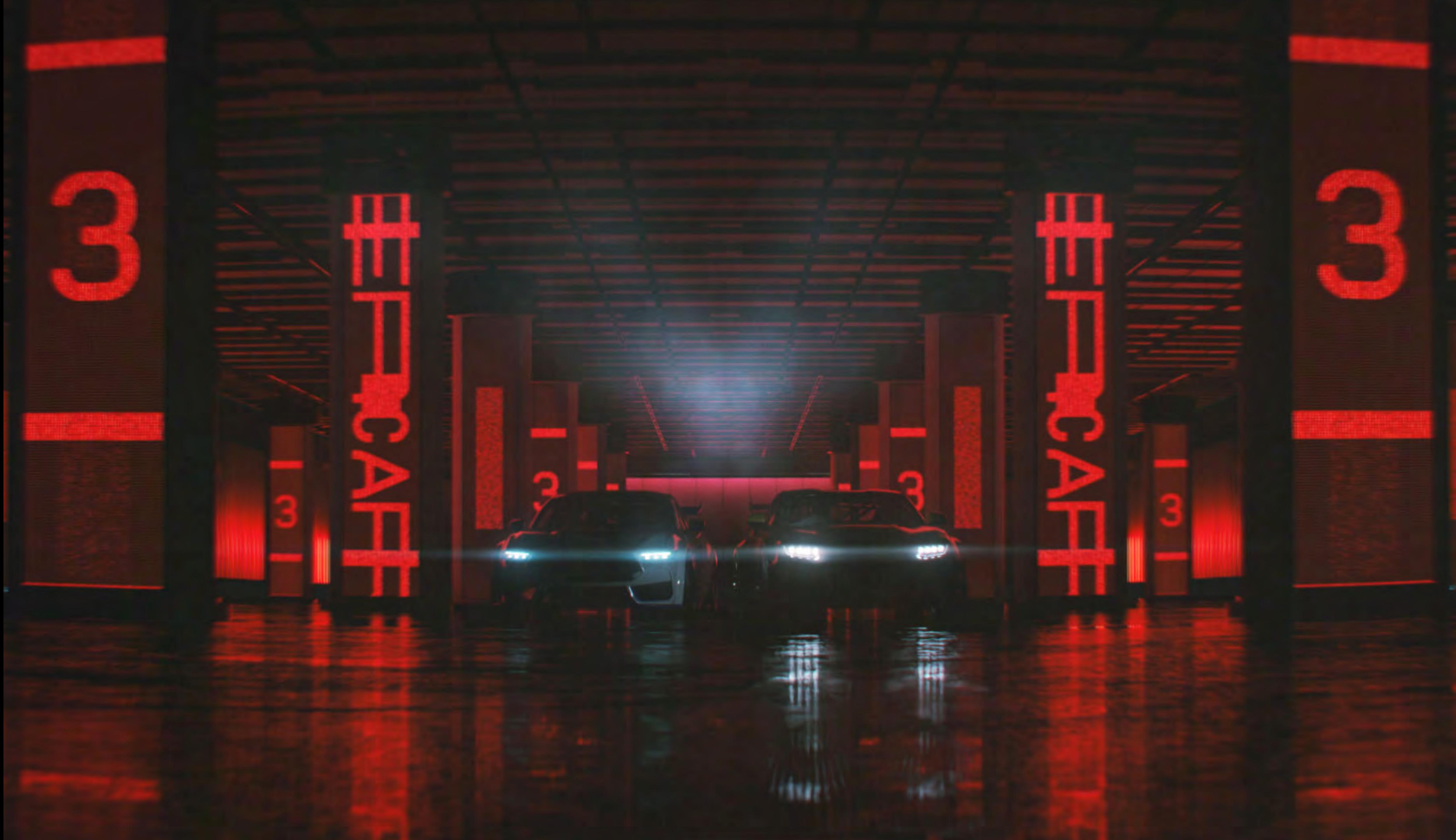
▶ SUPERCARS REEL



SUPERCARS

CHAMPIONSHIP











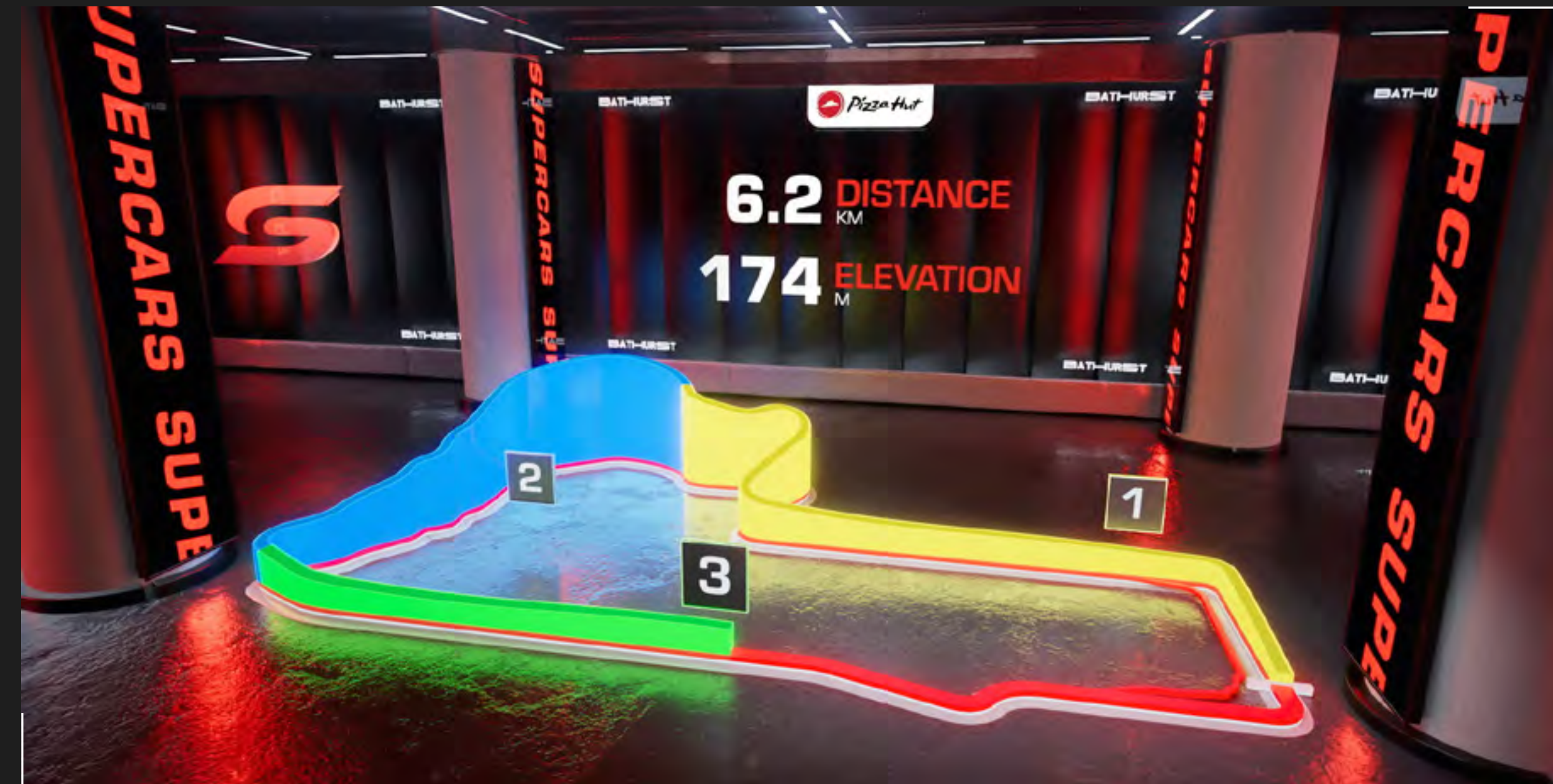
1	97	STANAWAY	PIT 4	SPLIT
2	36	TANDER	PIT 4	+17.849
3	55	RANDLE	PIT 3	+1.427
4	5	BEST	PIT 4	+10.861
5	2	COULTHARD	PIT 4	+10.929
6	18	CARUSO	PIT 4	+4.894
7	99	B.KOSTECKI	PIT 4	+31.445
8	9	BROWN	PIT 5	+2.518
9	00	FEENEY	PIT 5	+4.261
10	11	DE PASQUALE	PIT 4	+1.688
11	35	ROBOTHAM	PIT 4	+1.750
12	23	SLADE	PIT 6	+2.725
13	20	LUFF	PIT 4	+1.588
14	31	GOLDING	PIT 5	+1.525
15	25	MOSTERT	PIT 5	+2.814
16	19	PAYNE	PIT	+8.326
17	34	OJEDA	PIT	+1.452
18	14	FULLWOOD	PIT 6	+104.908
19	17	W.DAVISON	PIT 5	+5.130
20	56	EVERINGHAM	PIT 6	+4.884
21	7	J.KOSTECKI	PIT 4	+7.342
22	3	BLANCHARD	PIT 4	+19.862
26	588	GODDARD	PIT 8	+1 LAP
27	8	MOFFAT		
28	8	WOOD		

REPCO
BATHURST 1000
SUPERCARS

G-FORCE

1.4G

97 STANAWAY



09:50

QUALIFYING 3

1	18	WINTERBOTTOM	2:03.029
2	25	MOSTERT	
3	44	COURTNEY	
4	97	VAN GISBERGEN	+0.564 ▲1
5	99	DE PASQUEALE	
6	6	WATERS	
7	5	HOLDSWORTH	
8	7	HEIMGARTNER	+0.512
9	20	PYE	
10	17	MCLAUGHLIN	
11	15	KELLY	OUT
12	55	LE BROCCQ	PIT
13	3	JONES	
14	35	JACOBSON	+3.534 ▲10
15	14	HAZELWOOD	
16	8	PERCAT	OUT
17	19	A. DAVIDSON	PIT
18	2	FULLWOOD	
19	88	WHINCUP	PIT
20	12	COULTHARD	PIT
21	9	REYNOLDS	PIT
22	22	PITHER	PIT
23	4	SMITH	PIT
24	34	KOSTECKI	PIT
25	40	O'KEEFE	PIT



NED WHISKEY TASMANIA SUPERSPRINT

2 25 MOSTERT
 1:24.542 -0.325
 2:03.029 FASTEST TIME WINTERBOTTOM

3 44 COURTNEY
 1:22.358 +0.213

4 97 VAN GISBERGEN
 1:21.920 -0.796

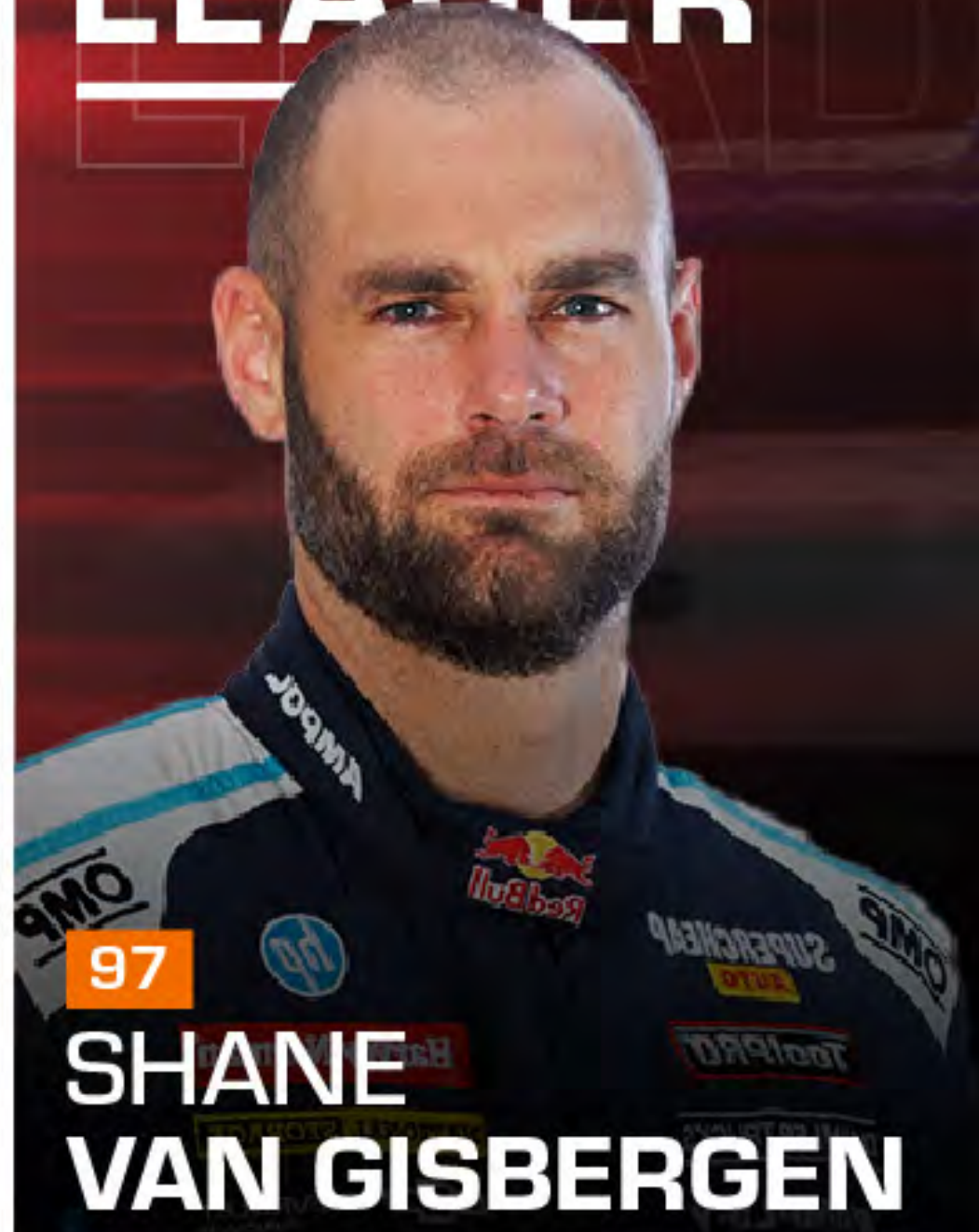
CHAMPIONSHIP POINTS

2023 REPCO SUPERCARS CHAMPIONSHIPS

RACE **22**



LEADER



97

SHANE VAN GISBERGEN

RED BULL AMPOL RACING

1	97	SHANE VAN GISBERGEN	2828
2	25	CHAZ MOSTERT	-349
3	26	DAVID REYNOLDS	-595
4	99	BRODIE KOSTECKI	-634
5	18	MARK WINTERBOTTOM	-735
6	6	CAMERON WATERS	-753
7	9	WILL BROWN	-1024
8	8	ANDREW HEIMGARTNER	-1080
9	17	WILL DAVISON	-1217
10	22	CHRIS PITHER	-1298



BOOST MOBILE | GOLDCOAST 500

SUPERCARS.COM



/
OUR
MAJOR
PROJECTS

P / 107

ESPN | **CHEEZ-IT**



THE HALL OF CHEEZ

VIRTUAL SET

 **HALL OF CHEEZ REEL**



The Hall of Cheez is a virtual production commercial celebrating the traditions of college football fandom. Girraphic was tasked with the creation of the Hall of Cheez, a photoreal virtual set featuring a classic museum architecture environment - showcasing contemporary, fun, and quirky fandom elements.

Our service includes the creation of a highly polished real-time environment as well as a set of custom made tools to facilitate the virtual production process. Our previs and techvis process where previs cam data, scene boundaries, studio geometry and technical overview can be saved - all from a unified user interface. The automation doesn't stop here. We can take all data and go into PIE or Live mode and have access to the same saved data, traverse through the actual scene, and execute the production shoot.







ON AIR





INTERNATIONAL SWIMMING LEAGUE

BRANDING
GRAPHICS PACKAGE
CUSTOM APPLICATION
AUGMENTED GRAPHICS

 [ISL REEL](#)



The International Swimming League is the first professional team swimming league in history. The ISL approached Girraphic during the league's formation to solicit help with branding the League and building and developing a one of a kind set of insert and augmented graphics. Girraphic provided a complete service including the core branding, real-time scoring graphics, augmented and chroma keyed virtual graphics, a custom

application, and a first of its kind scoring system for the broadcasts. In addition, Girraphic provided production oversight and direction for all events. These events were held at a frenetic pace and relied heavily on augmented graphics as the races were completed back to back as quickly as possible. The end result was one visually-stunning, action-packed event after another, culminating in an epic finale in Las Vegas at Mandalay Bay.



UNOFFICIAL RESULTS		
1	SAKCI	9.0
2	SHYMANOVICH	7.0
3	LIMA	6.0
4	MCKEE	5.0
5	COPE	4.0
6	MURDOCH	3.0
7	FINNERTY	2.0



1 20 EMRE SAKCI

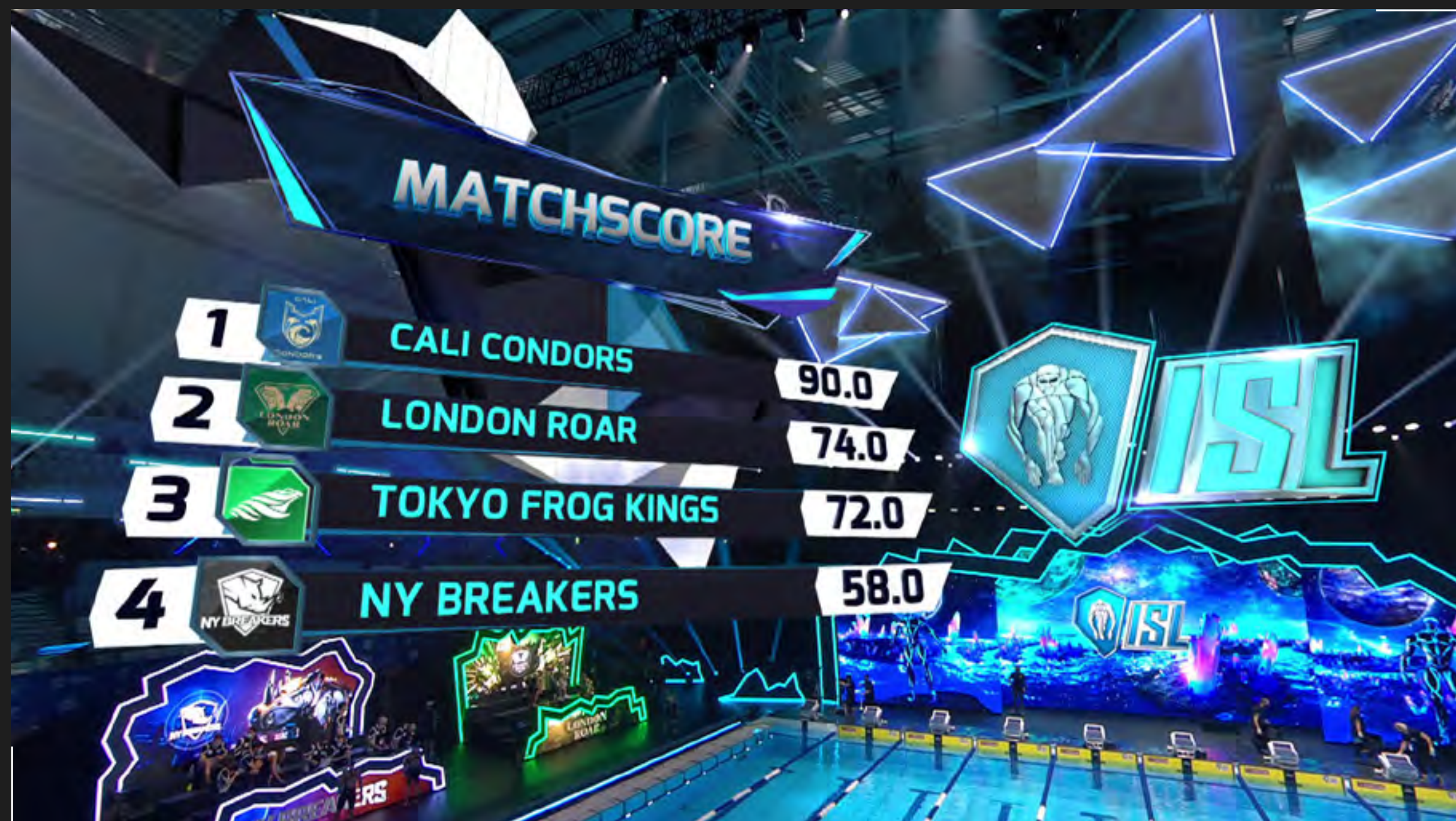
2 22 ILYA SHYMANOVICH

3 77 FELIPE LIMA

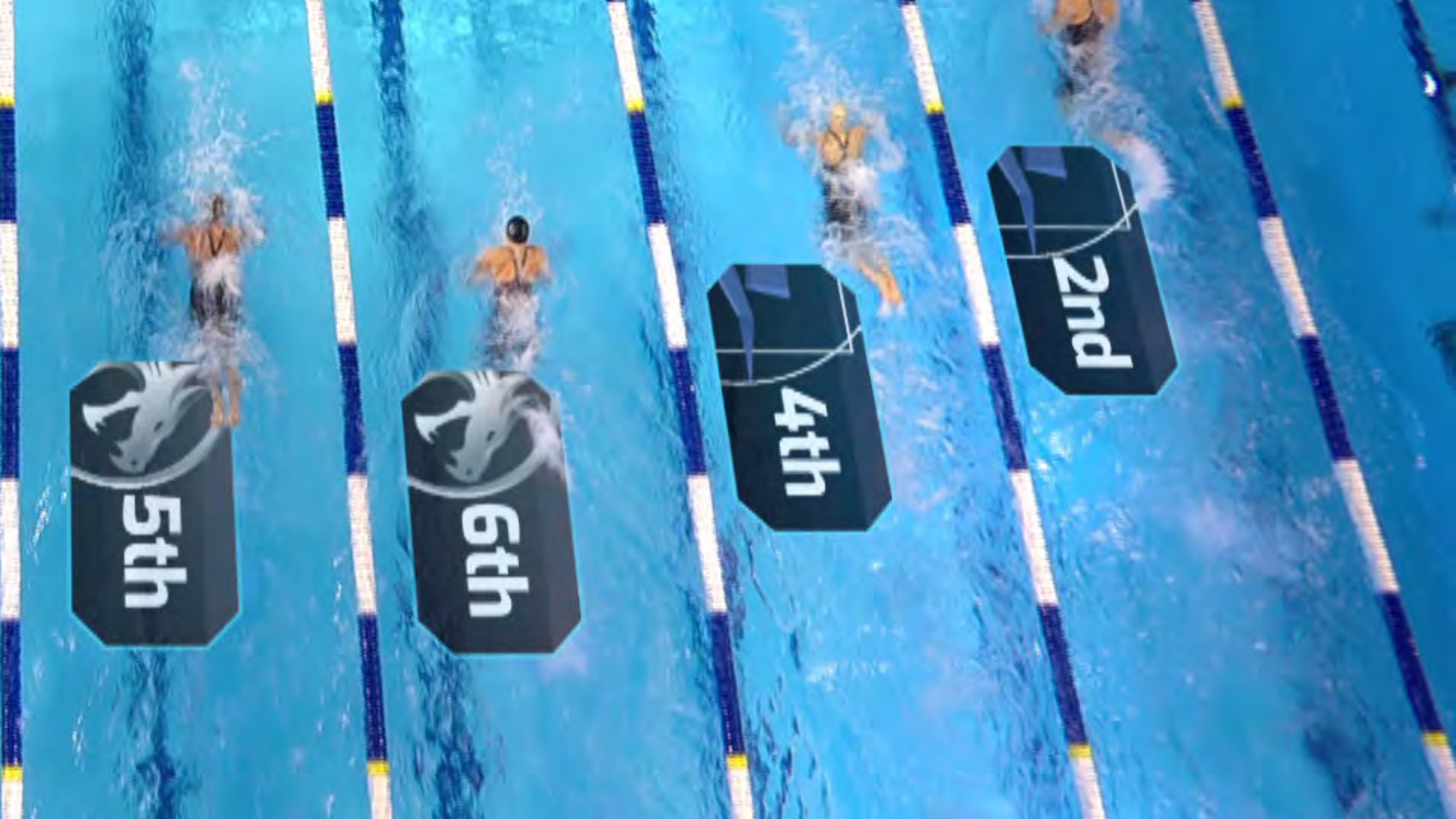
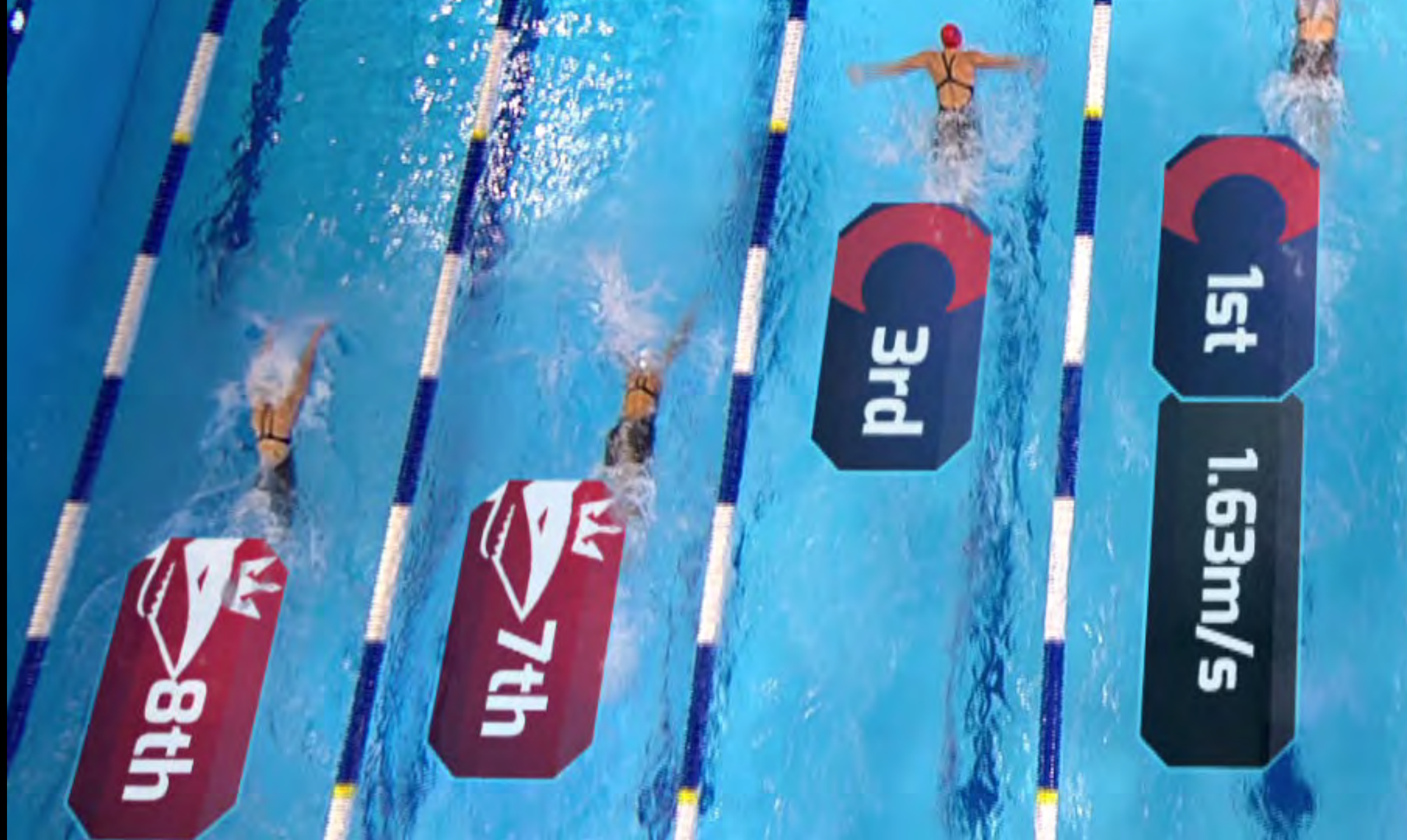
POINTS STOLEN

POINTS STOLEN

POINTS STOLEN







400M FR **ENS** 222.0 PTS **TOR** 185.0 PTS **IRO** 184.0 PTS **DCT** 104.0 PTS

9 TOM SHIELDS LA CURRENT 10 CHAD LE CLOS ENERGY STANDARD 11 SZEBASZTIAN SZABÓ AQUA CENTURIANS 12 KYLIE MA TORONTO TITANS 18 KATINKA HOSSZÚ IRON 20 EMRE SAKCI IRON 22 ILYA SHYMANOVICH ENERGY STANDARD 24 EMILY SEEBOHM ENERGY STANDARD



ISL TEAM RESULTS
WOMEN'S 50M FREESTYLE

RANK	TEAM	TEAM RACE PTS
1	NY BREAKERS	19.0
2	LONDON ROAR	11.0
3	CALI CONDORS	4.0
4	TOKYO FROG KINGS	3.0

ISL SWIMMER RATINGS
INTERNATIONAL SWIMMING LEAGUE

1	CAELEB DRESSEL
2	BERYL GASTALDELLO
3	SARAH SJOSTROM
4	FLORENT MANAUDOU
5	LILLY KING
6	RYAN MURPHY
7	OLIVIA SMOLIGA
8	RANOMI KROMOWIDJOJO
9	TOM SHIELDS
10	SZEBASZTIAN SZABÓ

ISL START LIST
WOMEN'S 4X100M MEDLEY RELAY

NEW YORK BREAKERS	LONDON ROAR	CALI CONDORS	TOKYO FROG KINGS
LANE 1 ALICIA TCHORZ MOLLY RENSHAW ARINA SURKOVA KASIA WASICK	LANE 3 KATHLEEN DAWSON ANNIE LAZOR HARRIET WEST ANNA HOPKIN	LANE 5 OLIVIA SMOLIGA LILLY KING KELSI DAHLIA NATALIE HINDS	LANE 7 RIO SHIRAI MIHO TERAMURA SUZUKA HASEGAWA CATIE DELOOF
LANE 2 TEVYN WADDELL SARAH VASEY SVETLANA CHIMROVA DARIA S. USTINOVA	LANE 4 KIRA TOUSSAINT ALIA ATKINSON MARIE WATTEL FREYA ANDERSON	LANE 6 BEATA NELSON MOLLY HANNIS ERIKA BROWN ALLISON SCHMITT	LANE 8 SIMONA KUBOVA REONA AOKI ANNA NTOUNTOUNAKI RUNA IMAI

isl.global



ONE



ONE CHAMPIONSHIP

BRANDING & GRAPHICS PACKAGE

▶ ONE CHAMPIONSHIP REEL







TALE OF THE TAPE

LIGHTWEIGHT WORLD CHAMPIONSHIP

	32	AGE	35	
	173	HEIGHT CM	160	
	134	WEIGHT LBS	134	
	188	REACH CM	184	
JIU JITSU	STYLE	WRESTLING		

ADRIANO MORAES
— BRA

DEMETRIOUS JOHNSON
— USA

ZipRecruiter



HEAVY HITTERS

EVENT NAME

SINGAPORE	me WATCH	THAILAND	Inu32 TV 32HD AISPLAY
INDIA	Disney+ hotstar	USA	B-R
JAPAN	AbemaTV	PHILIPPINES	one SPORTS one
INDONESIA	Vidio SCTV MAX STREAM KASKUS	MALAYSIA	astro SUPERSPORT 2
MAYANMAAR	SKY NET	VIETNAM	HTV Vie ON

ONE X PART II

	BANTAMWEIGHT MUAY THAI WORLD CHAMPIONSHIP NONG-O GAIYANGHADAO VS FELIPE LOBO	
	BANTAMWEIGHT KICKBOXING WORLD CHAMPIONSHIP CAPITAN PETCHYINDEE VS HIROKI AKIMOTO	
	ATOMWEIGHT MIXED MARTIAL ARTS HAM SEO HEE VS DENICE ZAMBOANGA	
	ATOMWEIGHT MIXED MARTIAL ARTS ITSUKI HIRATA VS JIHIN RADZUAN	
	FEATHERWEIGHT MIXED MARTIAL ARTS KIM JAE WOONG VS TANG KAI	

/
OUR
MAJOR
PROJECTS



SENATE
ALABAMA
P / 126



BOYD

19.6%



BRITT

79.3%

+6,462
9,597



161

AND IMMEDIATE ELECTION RESULTS AS THE POLLS IN

CBS NEWS

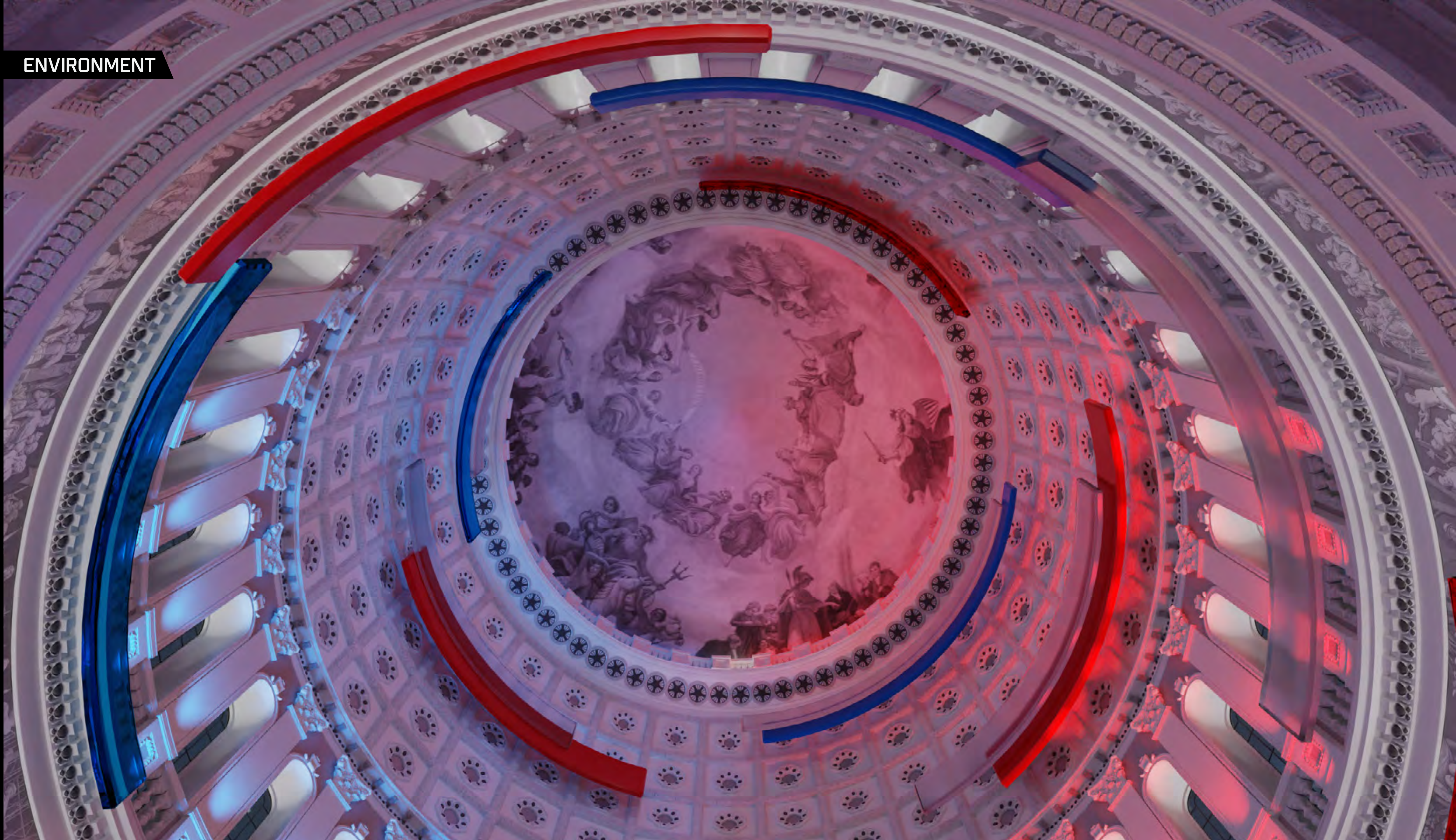


2022 CBS NEWS MIDTERM ELECTIONS


VIRTUAL STUDIO
AUGMENTED GRAPHICS

 CBS NEWS REEL

ENVIRONMENT





 **CBS NEWS**

AMERICA DECIDES

     **CAMPAIGN '22**

CBS NEWS AMERICA DECIDES CAMPAIGN '22

CBS NEWS AMERICA DECIDES	HOUSE 13 NORTH CAROLINA VOTE IN: 97%	 NICKEL 51.2% +6,453 136,194	 HINES 48.8% 129,741	46 NEW SENATE 45
	CBS NEWS COLORADO VOTERS DECIDE	FOOTHILLS FIRE STATION TAX NO 75% YES	25% 0% IN	



CBS NEWS
AMERICA DECIDES

HOUSE 13
NORTH CAROLINA

VOTE IN: 97%



NICKEL

51.2%

+6,453
136,194



HINES

48.8%

129,741

180

HOUSE ESTIMATE
218 TO WIN

198

CBS NEWS COLORADO
VOTERS DECIDE

ENGLEWOOD SALES TAX INCREASE

YES

61%

NO

39%

0% IN

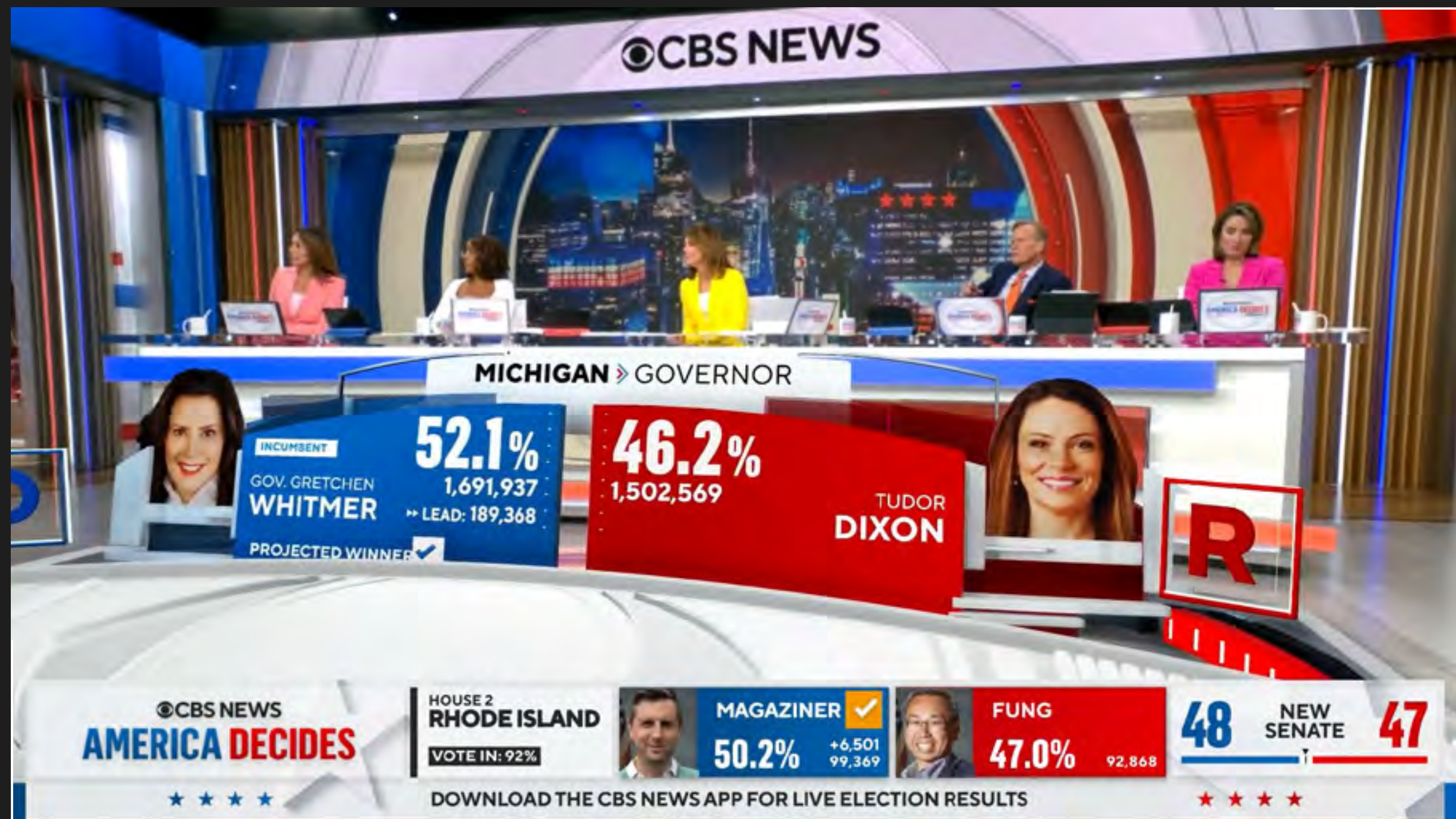
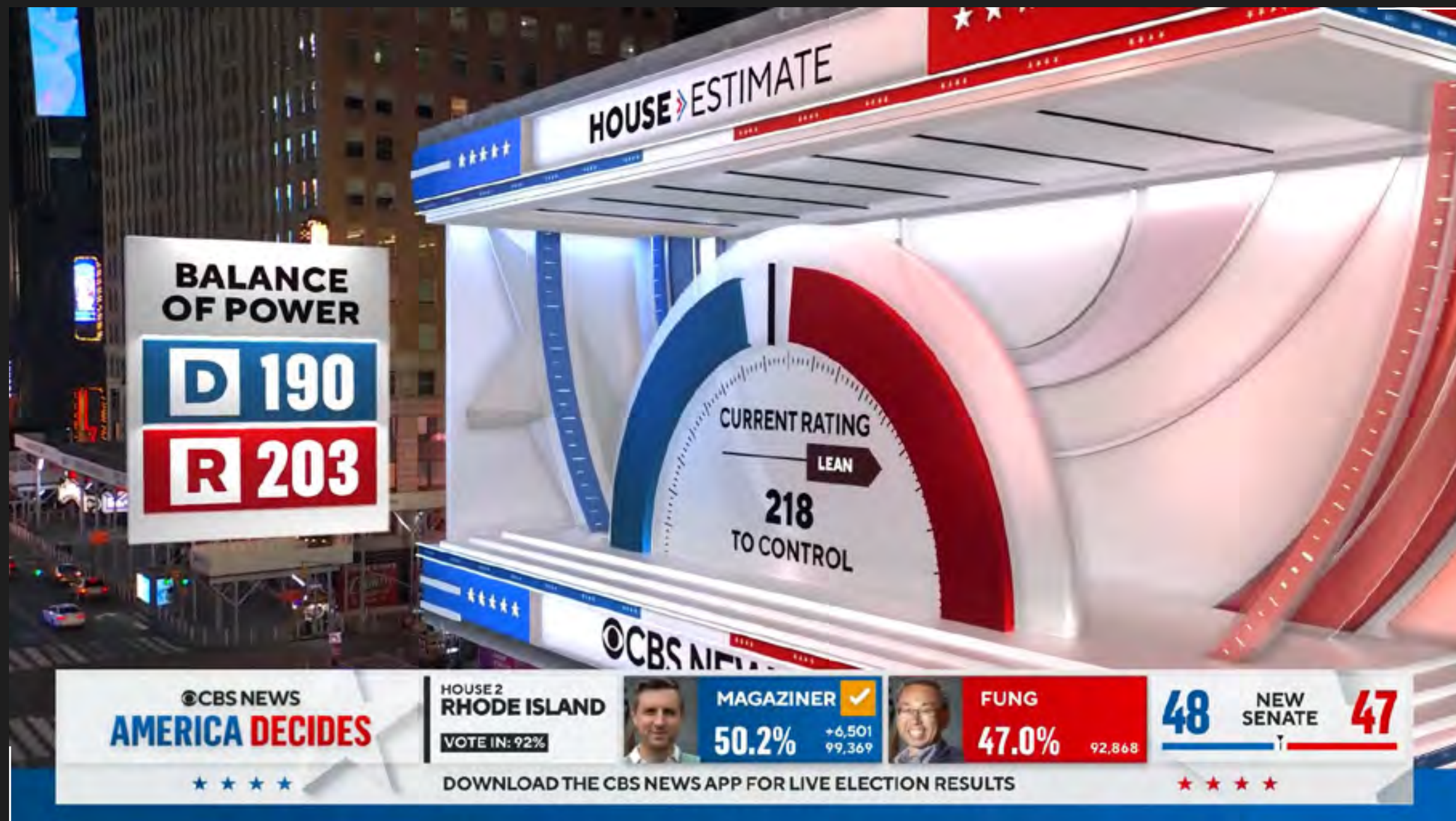
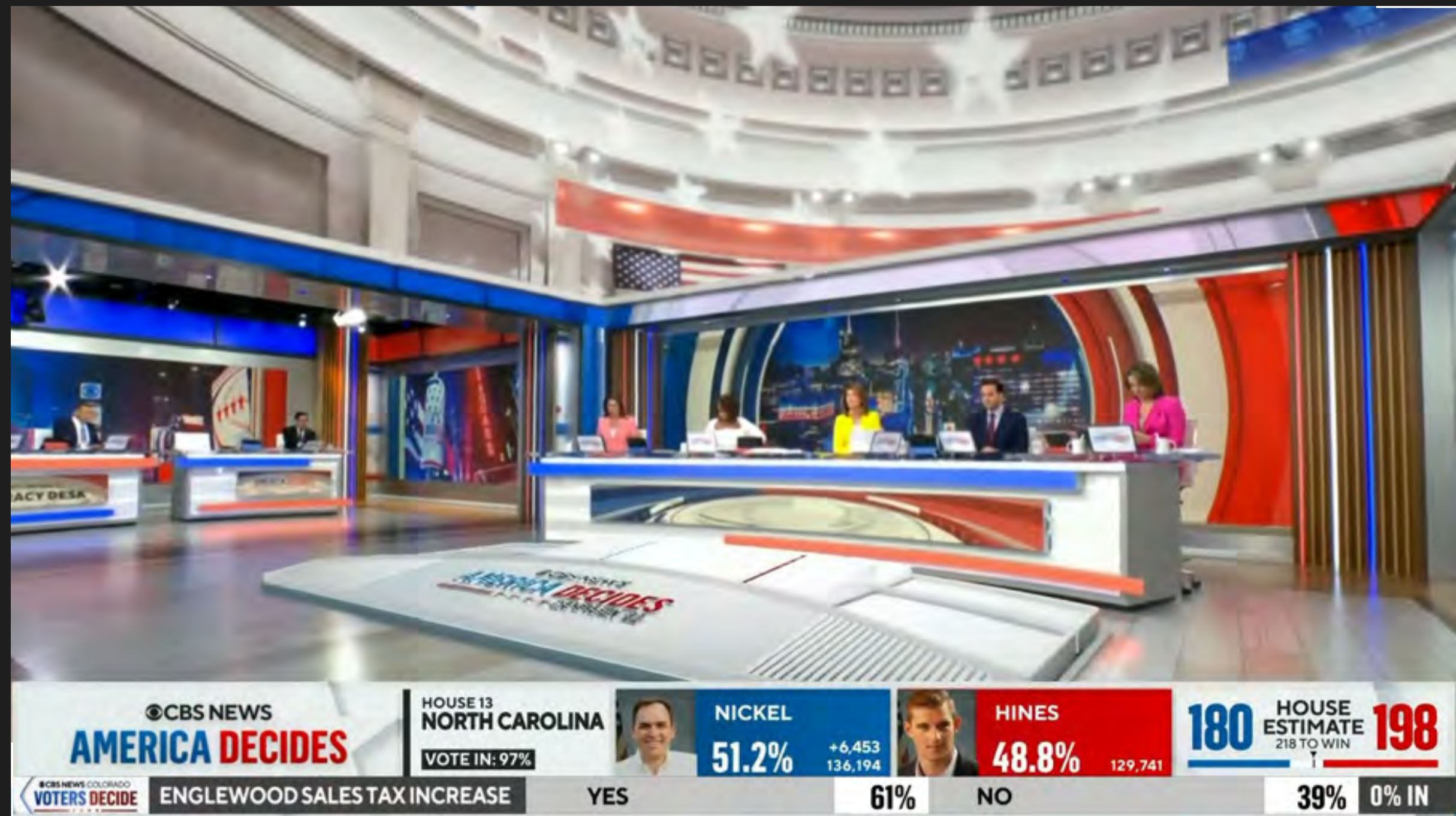
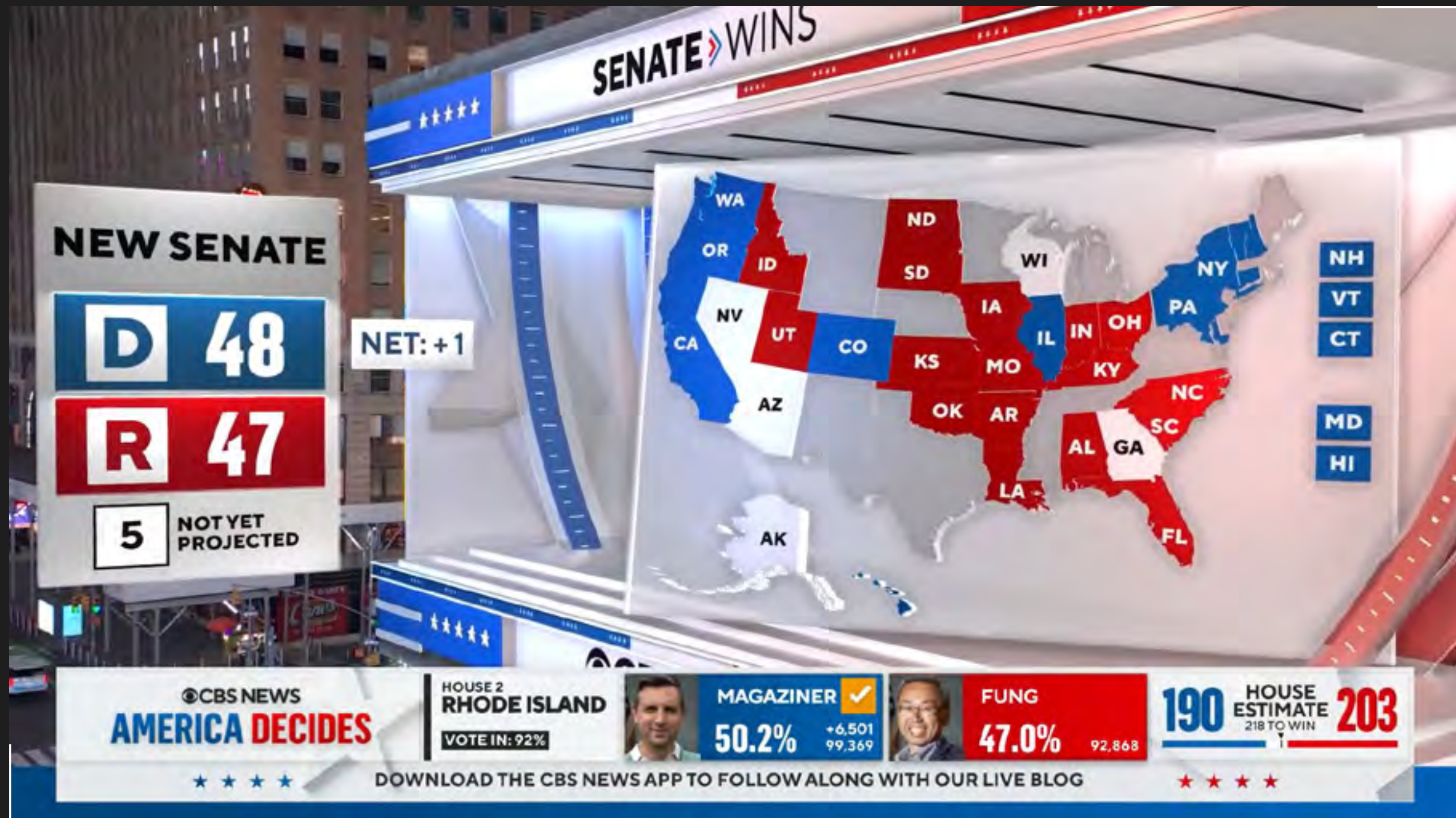
PENNSYLVANIA > SENATE



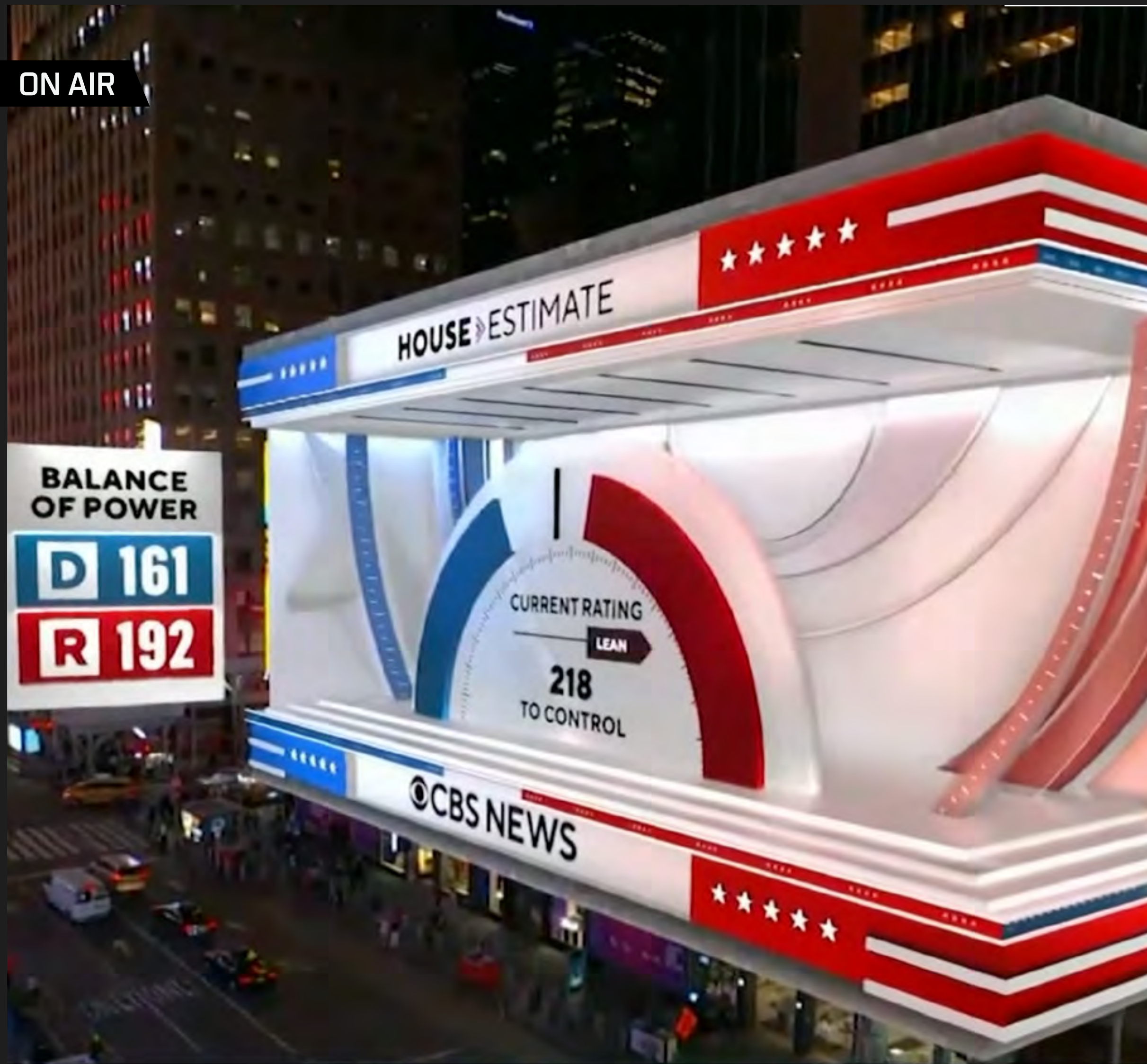
49.4%
2,446,079
JOHN FETTERMAN ▶ LEAD: 65,957
PROJECTED WINNER ✓

48.1%
2,380,122
MEHMET OZ





ON AIR



SENATE ALABAMA
 VOTE IN: 1%

	BOYD 19.6%		BRITT 79.3%	+6,462 9,597	✓
--	----------------------	--	-----------------------	-----------------	---

AND IMMEDIATE ELECTION RESULTS AS THE PO

©CBS NEWS AMERICA DECIDES CAMPAIGN '22

GOVERNOR OKLAHOMA
 VOTE IN: 34%

	HOFMEISTER 43.6%		STITT 53.8%	+43,474 277,962	37	NEW SENATE	38
--	----------------------------	--	-----------------------	--------------------	-----------	-------------------	-----------

AND US ON CBSCOLORADO.COM, OR ON YOUR CONNECTED TV VIA THE CBS NEWS APP OR PLUTO TV

9pm ET POLL CLOSINGS

©CBS NEWS

MINNESOTA • NEBRASKA • NEW MEXICO
NEW YORK • NORTH DAKOTA • SOUTH DAKOTA

158 HOUSE ESTIMATE **181**
 218 TO WIN

9 PM ET POLL CLOSINGS

DOWNLOAD THE CBS NEWS APP FOR LIVE ELECTION RESULTS

GIRRAPIC PORTFOLIO / CBS NEWS | ELECTIONS

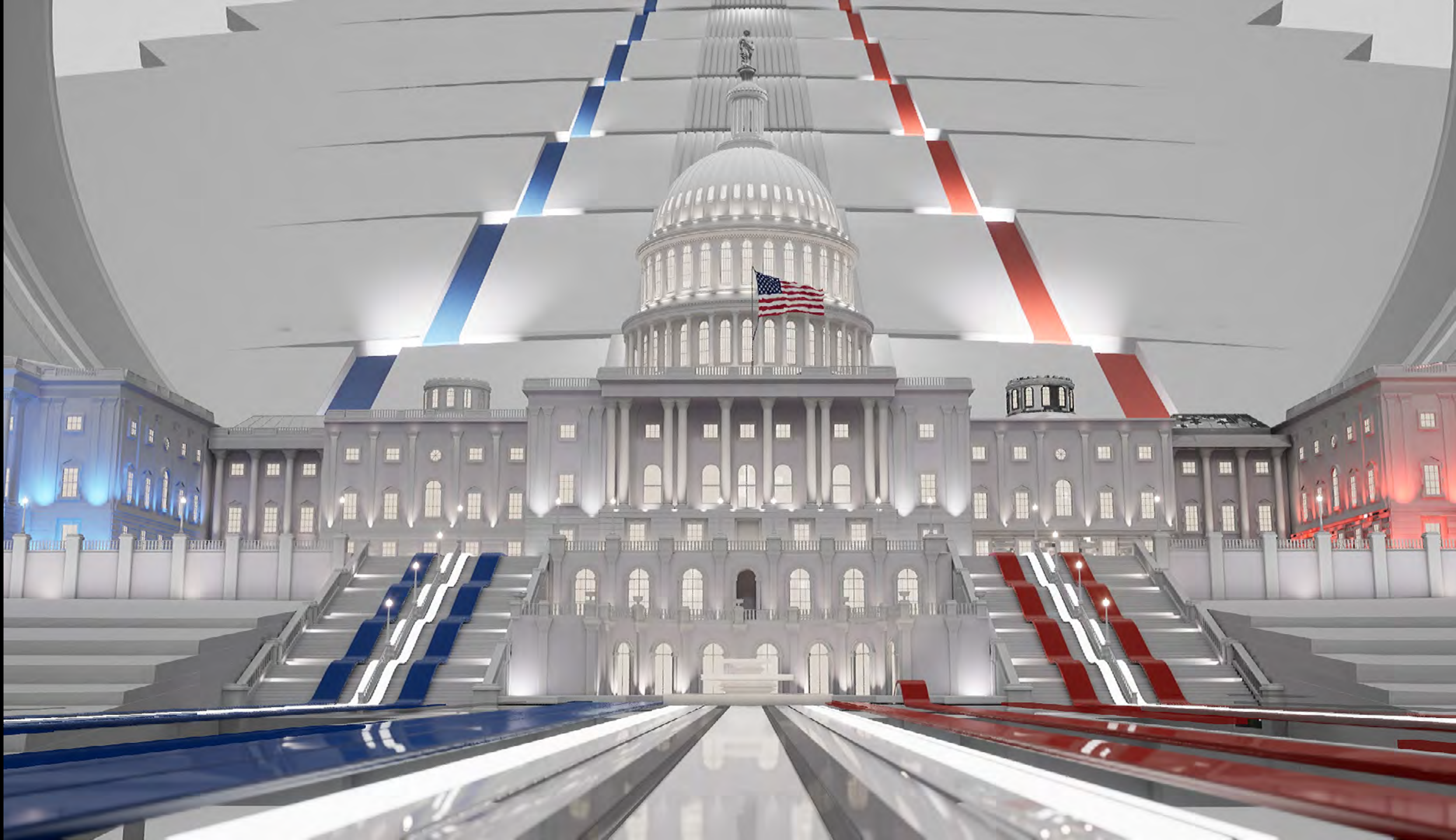
EXTERIOR SET EXTENSION

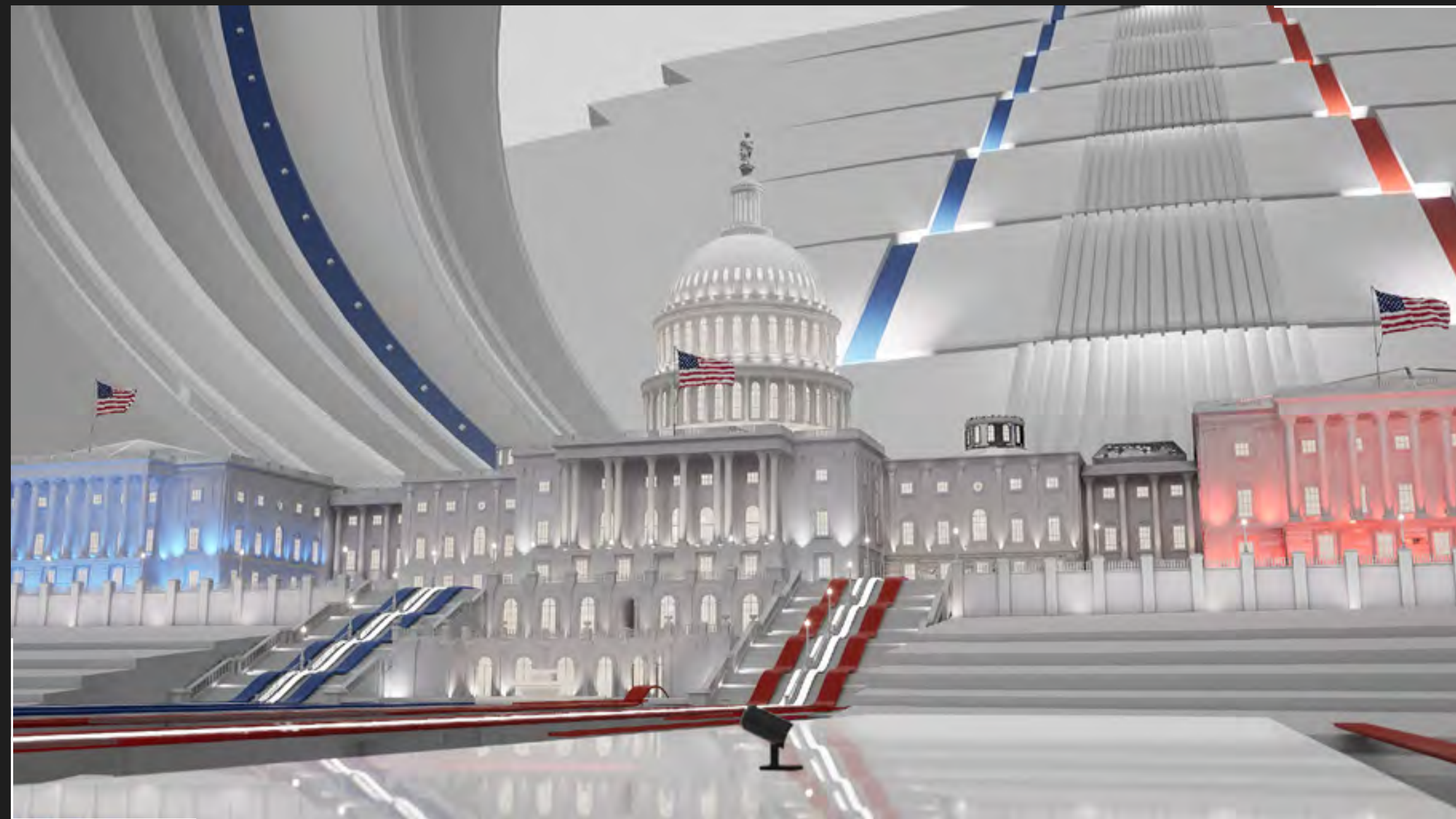
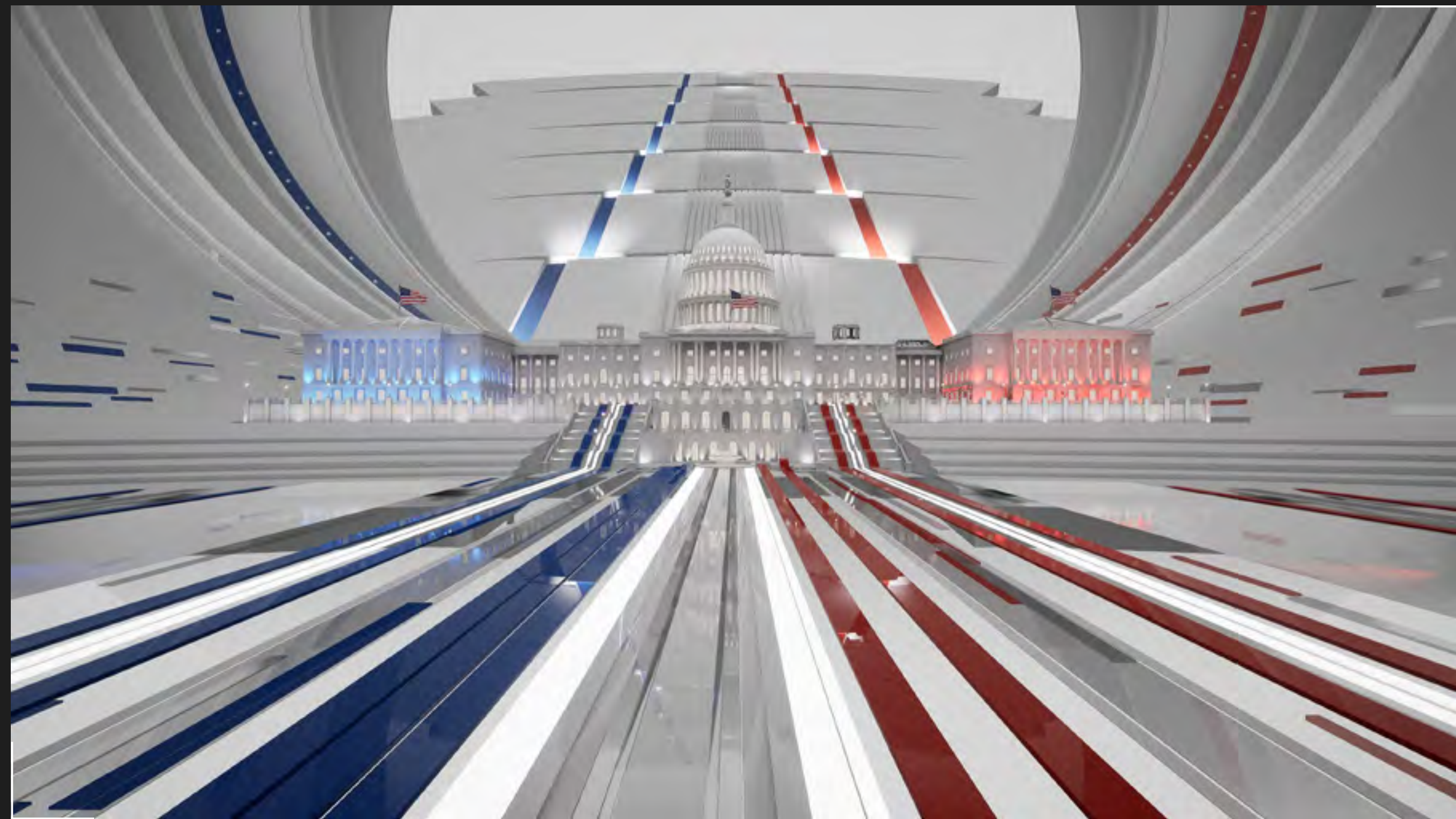
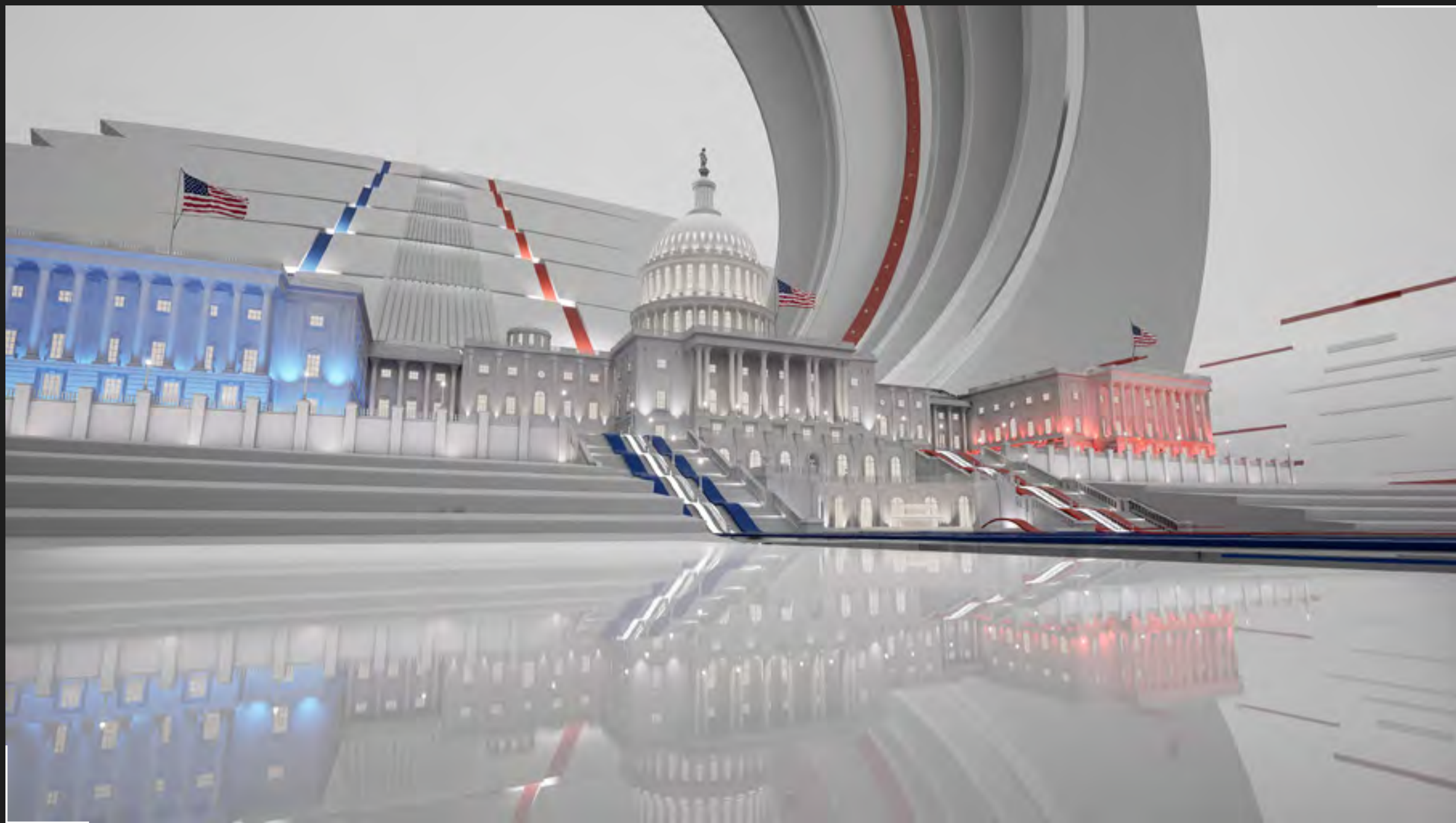


© CBS NEWS BATTLEGROUND TRACKER
BALANCE OF POWER

© CBS NEWS
AMERICA DECIDES
CAMPAIGN '22

© CBS NEWS
SKECHERS
TISSOT





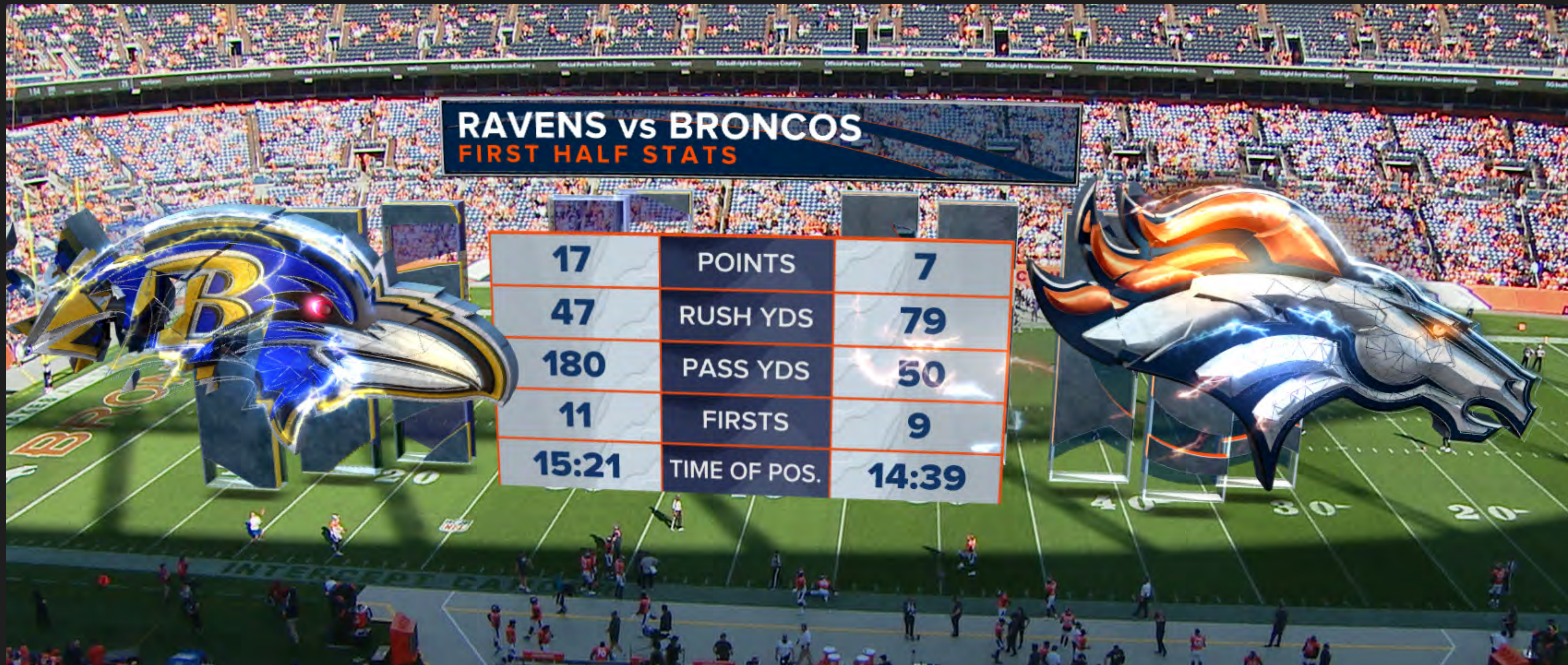


DENVER BRONCOS

BRANDING
AUGMENTED GRAPHICS
LED SCREENS

▶ BRONCOS HYPE REEL

▶ IN-STADIUM AR REEL



We set out to create fierce and tenacious visuals that perfectly epitomised the fighting spirit and power of the Denver Broncos. The storyboard began with a navigation through the mountains, the sound of players working out with chains, and the echoes of fans chanting through the forest - awakening the Broncos horse. Our XLab team took the content creation pipeline to new heights, embracing heavy

use of physics simulation for chains and debris fx, as well as the use of NiagaraFX where possible. We were pleasantly surprised by how much geometry we could throw into the physics simulation to achieve some of the chains and debris shots. With the help of marketplace and megascans, we were able to quickly build the multiple unique worlds required in a timely manner.





AR CONCEPTS

QUARTERBACK COMPARISON

24/38	COMP/ATT	20/33
457	YDS	308
3/0	TD/INT	2/1
0	SACKED	0
85.3	QBR	83.2

3 DREW LOCK **MARCUS MARIOTA 8**

RAIDERS

DENVER BRONCOS

POSITION
QUARTERBACK

WEIGHT / HEIGHT
6-4, 228lb
(193cm, 103kg)

BORN
NOV 10th 1996
COLUMBIA, USA

AGE
24

DRAFT
Denver Broncos
in the 2nd round

42nd overall of the
2019 NFL Draft.

DREW LOCK 3

DREW LOCK
BRONCOS

LAST PLAY
09:07 Q3

D. Lock punts 48 Yards to ind 25, center - R. Fegurson, downed By Buf - L. Pitts

OPENER











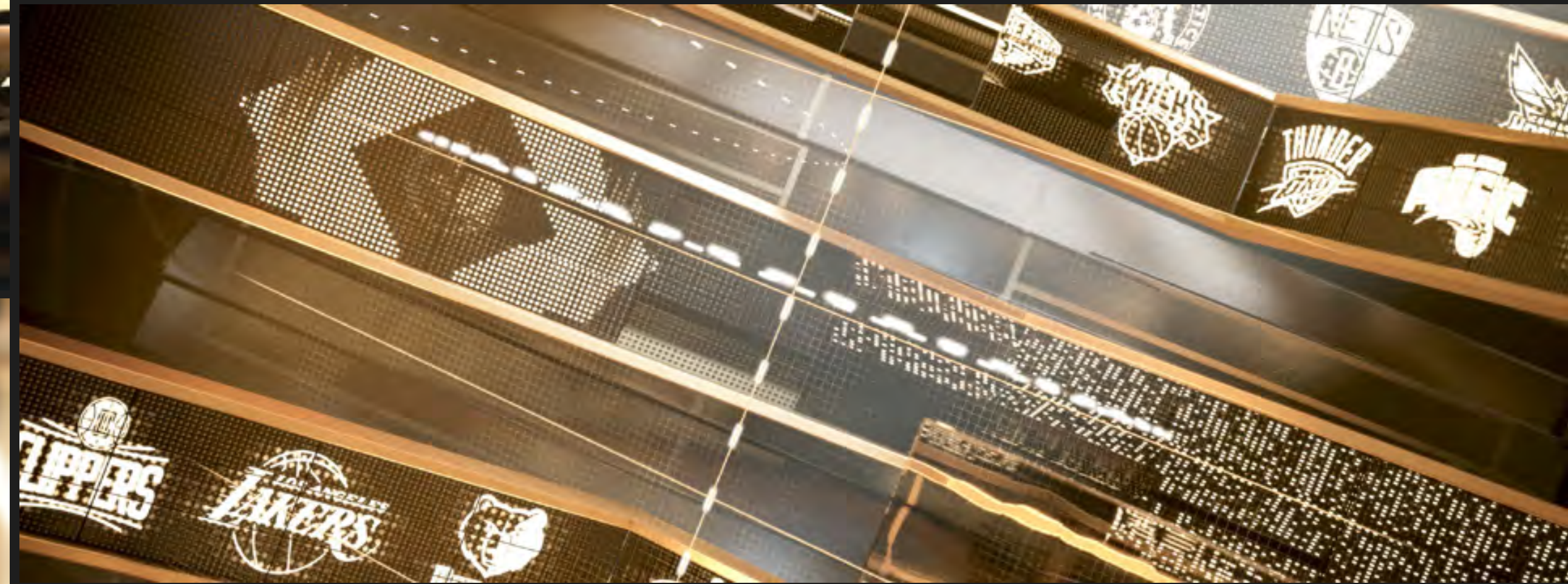
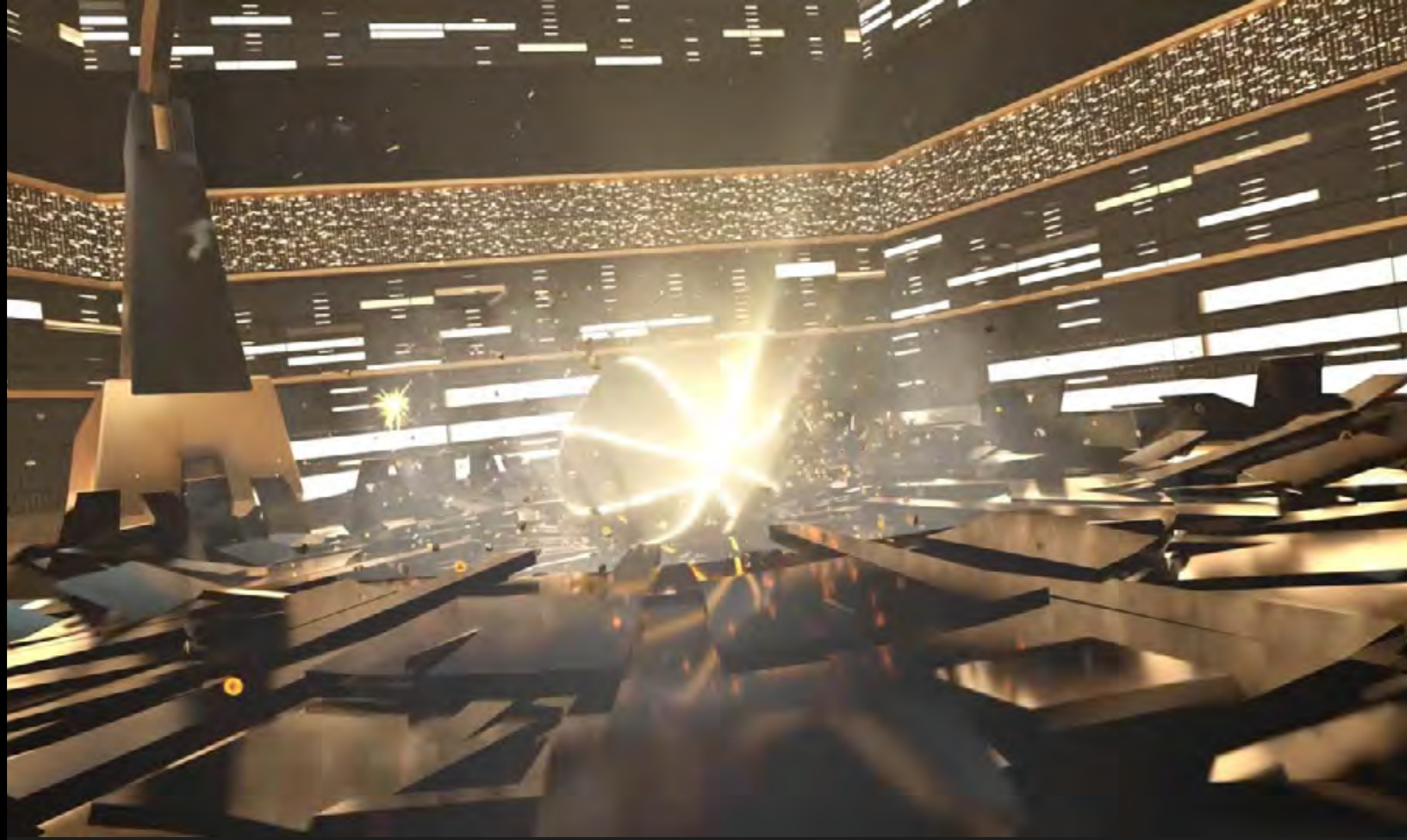
Tencent 腾讯

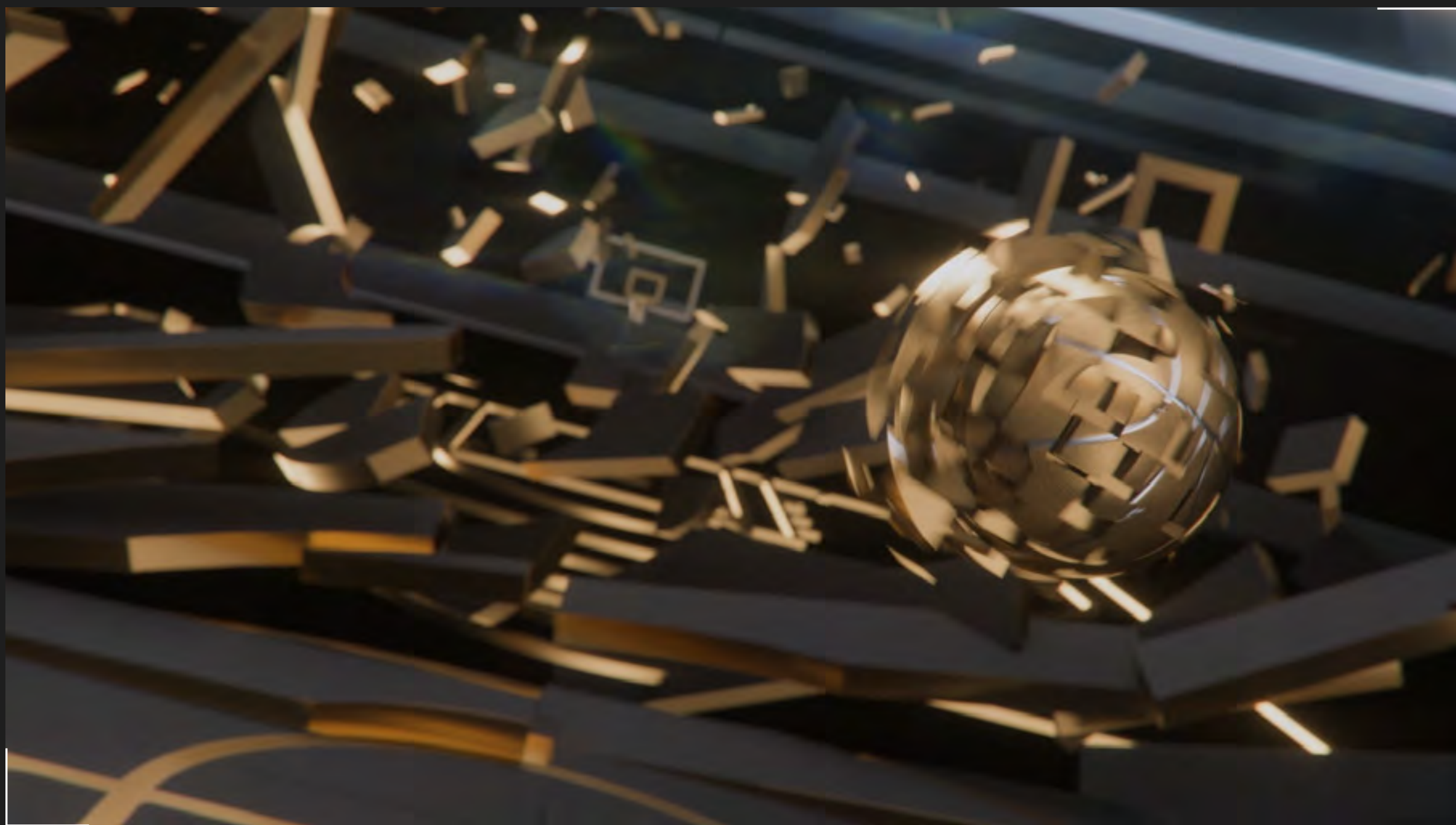
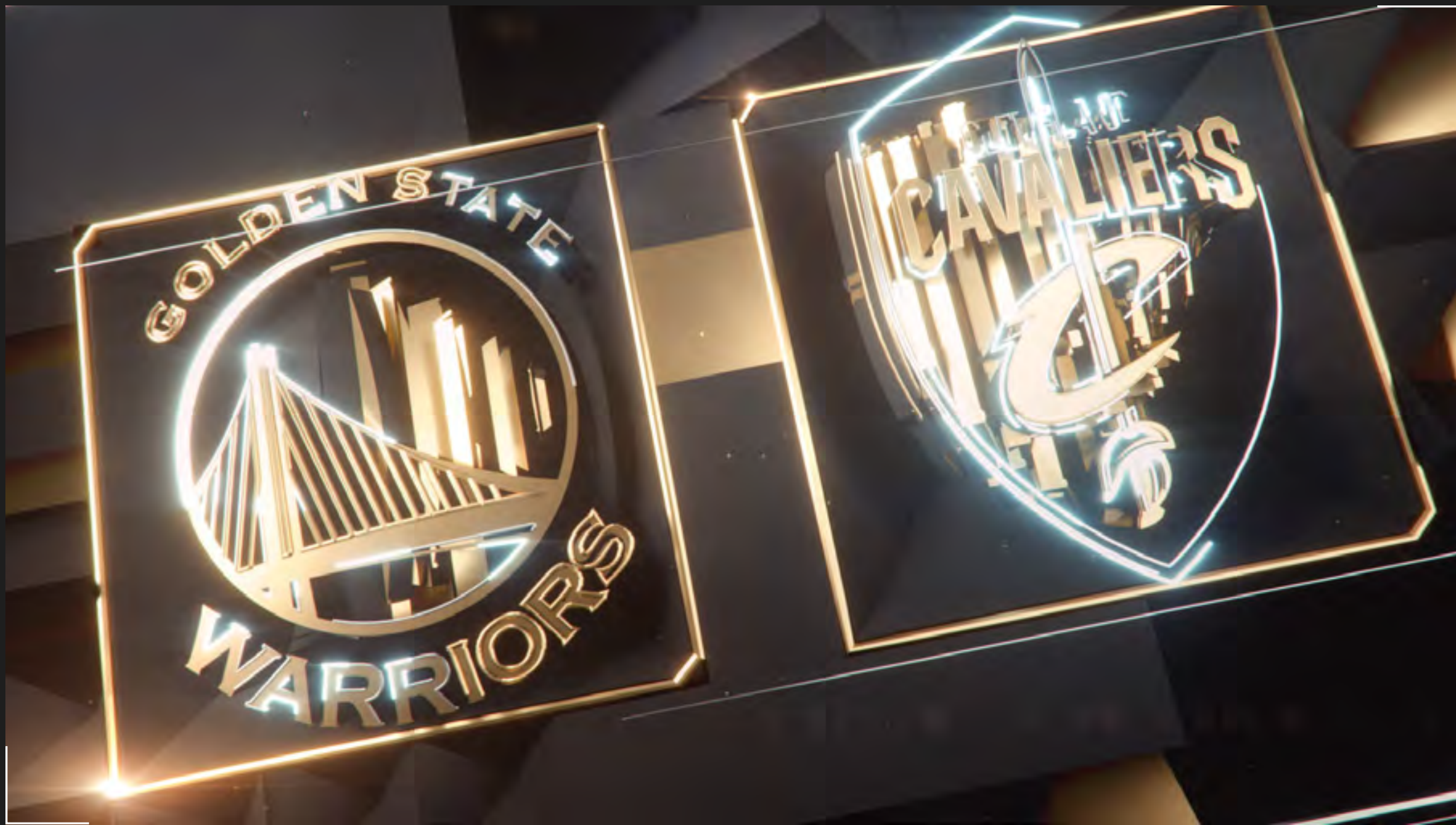


TENCENT SPORTS NBA

BRANDING & GRAPHICS PACKAGE

▶ TENCENT NBA REEL







勒布朗詹姆斯

2091

||

火箭还缺一个合格的替补内线
下赛季勇士有了考辛斯外加需
要补防杜兰特的任务更重了
很容易受到犯规过多的麻烦!

||



洛杉矶湖人

洛杉矶湖人



洛杉矶湖人

42

得分

42

5.7

助攻

5.7

3.6

转换至防守方

3.6

1.3

阻截

1.3

65

三分命中率

65

12

违例

12

12

罚球命中率

42

金州勇士



金州勇士





NBA 球队排名 Red Bull

8月10日		亚特兰大老鹰	VS	丹佛掘金	
8月10日		波士顿凯尔特人	VS	亚特兰大老鹰	
8月10日		布鲁克林篮网	VS	波士顿凯尔特人	
8月10日		夏洛特黄蜂	VS	布鲁克林篮网	
8月10日		芝加哥贡酒	VS	夏洛特黄蜂	
8月10日		克利夫兰骑士	VS	芝加哥贡酒	
8月10日		达拉斯小牛	VS	克利夫兰骑士	
8月10日		丹佛掘金	VS	达拉斯小牛	
8月10日		底特律骑士	VS	丹佛掘金	

NBA 球员vs球员 Red Bull

<p>史蒂芬克里 金州勇士</p>	<p>36% 64%</p>	<p>史蒂芬克里 金州勇士</p>
-----------------------	----------------	-----------------------



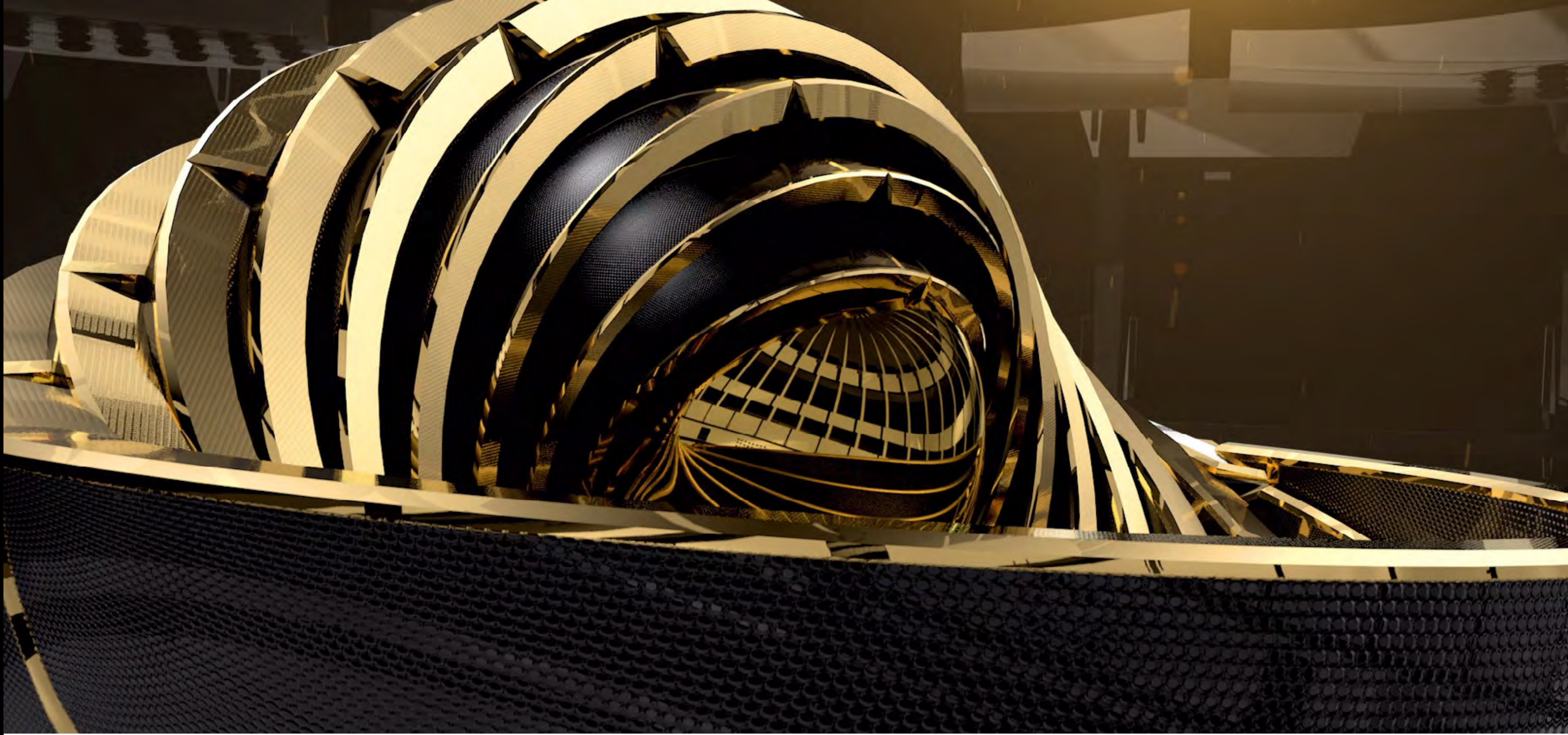
球队排名

	违例	助攻	得分
1	00	00	00
2	00	00	00
3	00	00	00
4	00	00	00
5	00	00	00
6	00	00	00
7	00	00	00

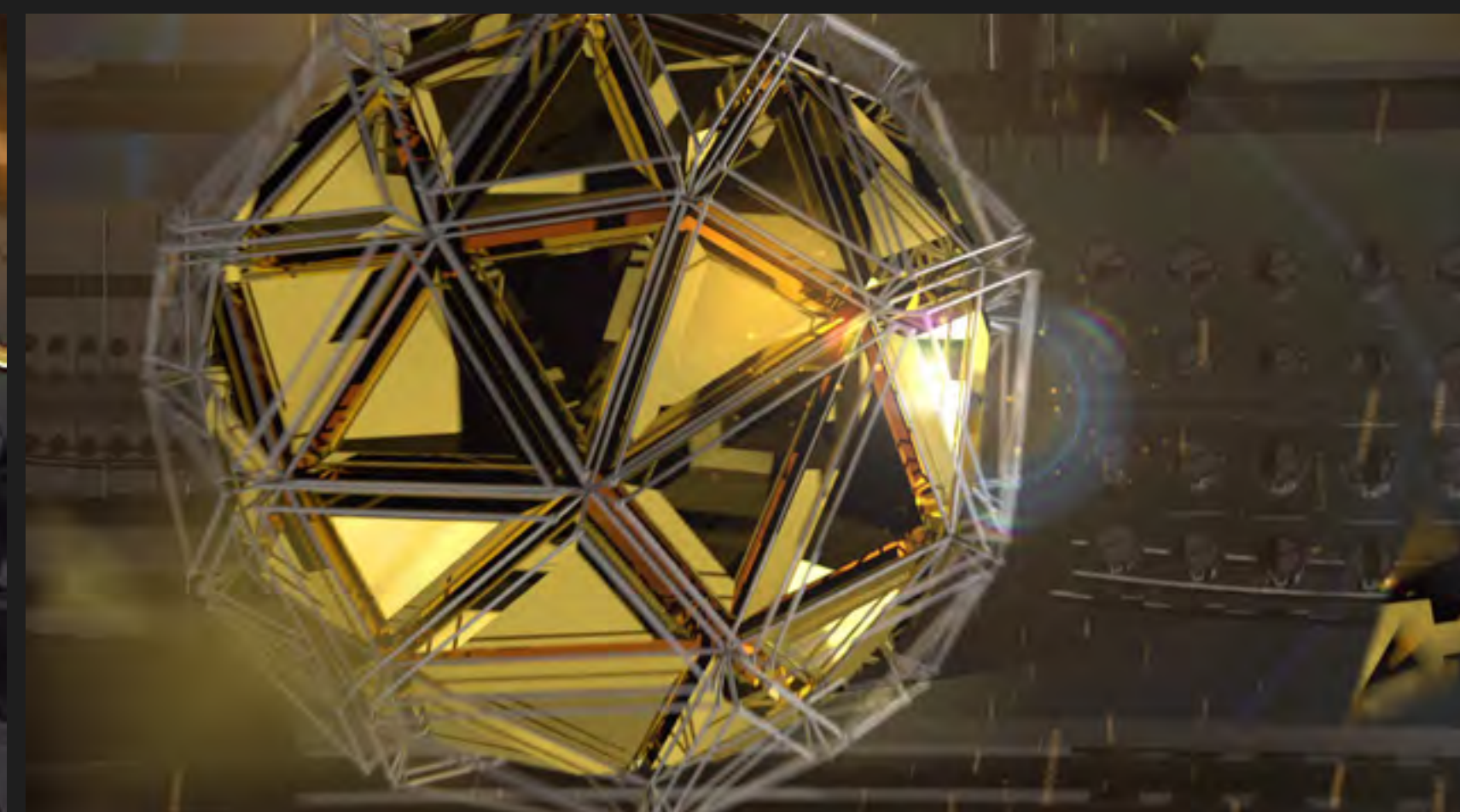
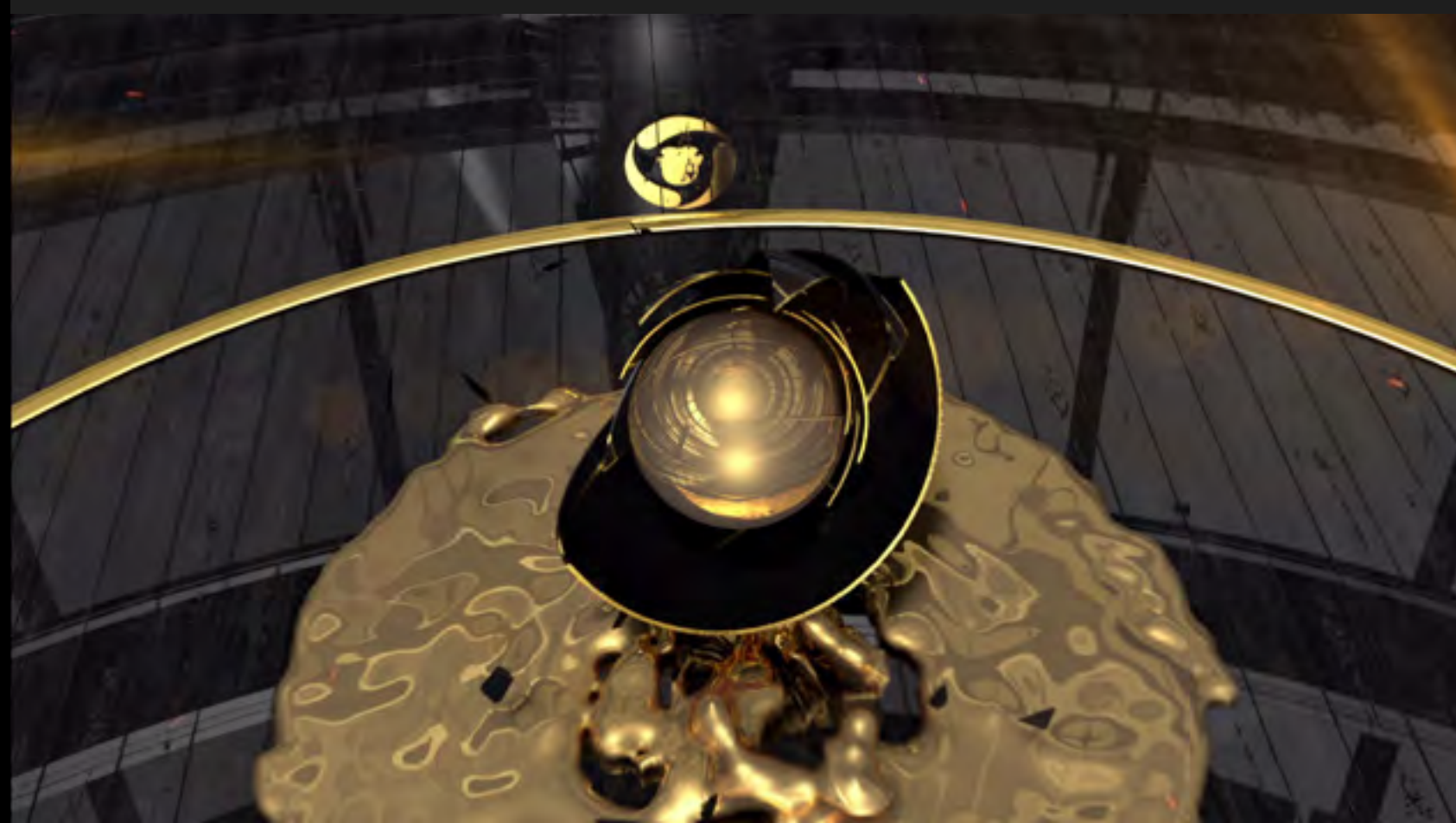
NBA

NBA 球员vs球员 Red Bull

<p>勒布朗詹姆斯</p>	<p>二级标题</p>	<p>斯蒂芬库里</p>
8.5	进球	5.3
5.5	三分	7.7
1.5	红牌	1
0.5	阻挡	0
25	得分	31



In 2016, Girraphic began collaborating with the Chinese broadcaster Tencent on their NBA coverage. This project involved branding, design, build, data integration, and programming of all graphic elements across the entire production. Using the NBA Stats feed, Girraphic programmers wrote a custom application to allow control from directly inside the VizRT Trio interface. This allowed operators to control both data driven and manual templates for the broadcast from the same platform.







NBL

BRANDING & GRAPHICS PACKAGE

▶ NBL REEL

SEASON 2024

Qudos Bank Arena

GIRRAPIC PORTFOLIO / NBL

P / 157



73 : 102



T/O 1

NBL.COM.AU #NBL24

T/O 2

SEASON 2024



FULL TIME

113	POINTS	112
38/89	FIELD GOALS	36/82
9/35	3 POINTERS	11/29
28/42	FREE THROWS	29/37
54	REBOUNDS	47
18	ASSISTS	15



S.E MELBOURNE
PHOENIX



SYDNEY
KINGS

SEASON 2024



BLACKMORES



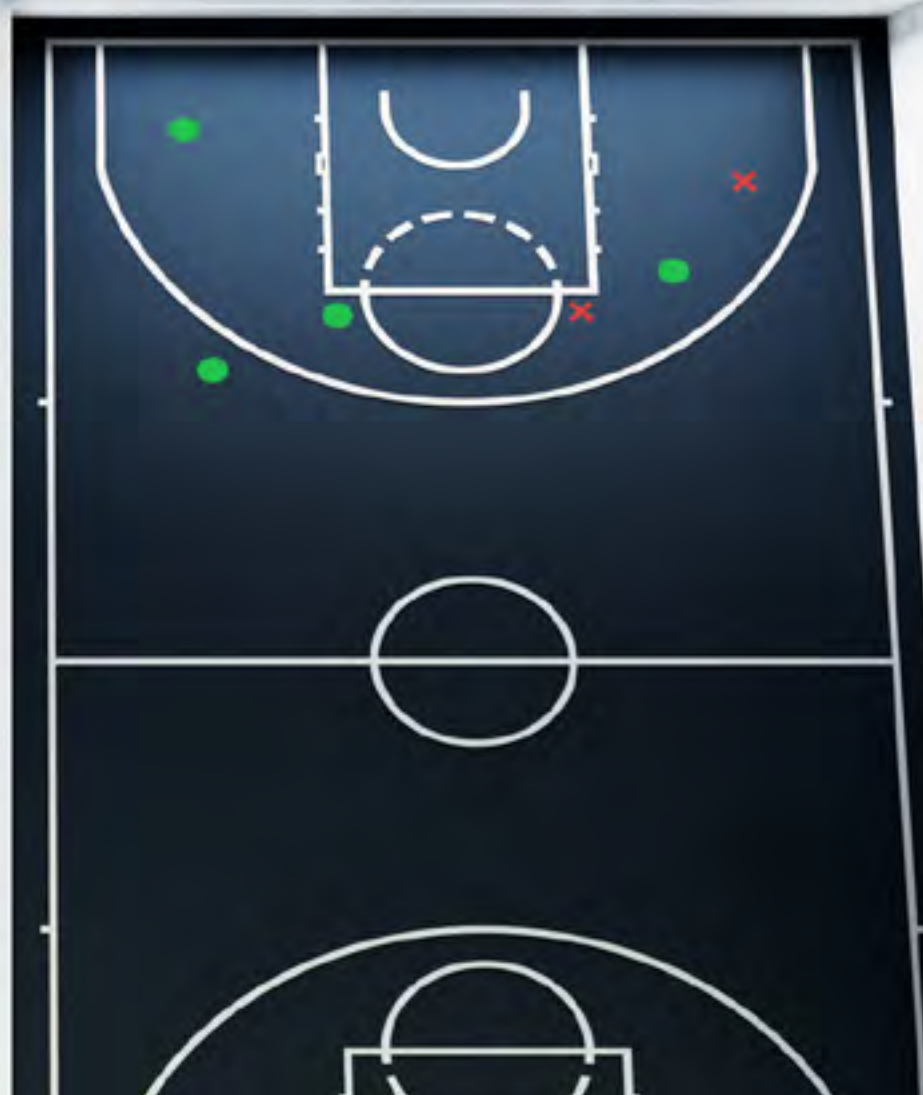
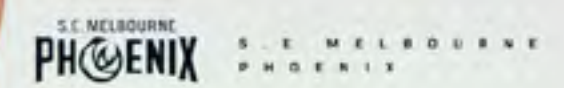
#55 MITCHELL
CREEK
FORWARD

POINTS **18**

FIELD GOALS **6/12**
50%

THREE POINTS **2/5**
40%

FREE THROWS **4/5**
80%



SEASON 2024



SEASON 2023

KINGS # N B L 2 3 **PHOENIX**

POINTS	12
FIELD GOALS	5/8
3 POINTERS	1/1
FREE THROWS	1/2

SHOT CHART sodastream®

POINTS	20
FIELD GOALS	9/12
3 POINTERS	1/3
FREE THROWS	2/2

14 BIWALI BAYLES **55 MITCH CREEK**

S.E. MELBOURNE # N B L 2 3 **PHOENIX**

POINTS	20
FIELD GOALS	10/15
3 POINTERS	2/3
ASSISTS	8
REBOUNDS	4

55 MITCH CREEK **PLAYER OF THE GAME** **Foot Locker**

SYD 28 **32 TAS** 9:02 13 2ND # N B L 2 3

CAIRNS # N B L 2 3 **TAIPANS**

POINTS	13
FIELD GOALS	6/9
3 POINTERS	1/3
FREE THROWS	0/0
FREE THROW %	0.0

SHOT CHART sodastream®

SEASON 2019-2020



SEASON 2017-2019





ESPN



ESPN MONDAY NIGHT FOOTBALL

AUGMENTED GRAPHICS

▶ MONDAY NIGHT FOOTBALL REEL







ESPN

MARVEL



MARVEL ARENA OF HEROES

SMOOTHIE KING CENTER
NEW ORLEANS, LA

ESPN MARVEL ARENA OF HEROES

GRAPHICS PACKAGE
AUGMENTED GRAPHICS

ARENA OF HEROES REEL



MARVEL HERO POINTS SCORING BREAKDOWN

Points	+10	Missed FGs	-1
Assists	+15	Missed FTs	0
Steals	+3	Turnovers	-4
Rebounds	+13		
Blocks	+2		

HERO POINTS: 48

DRAYMOND GREEN
GS

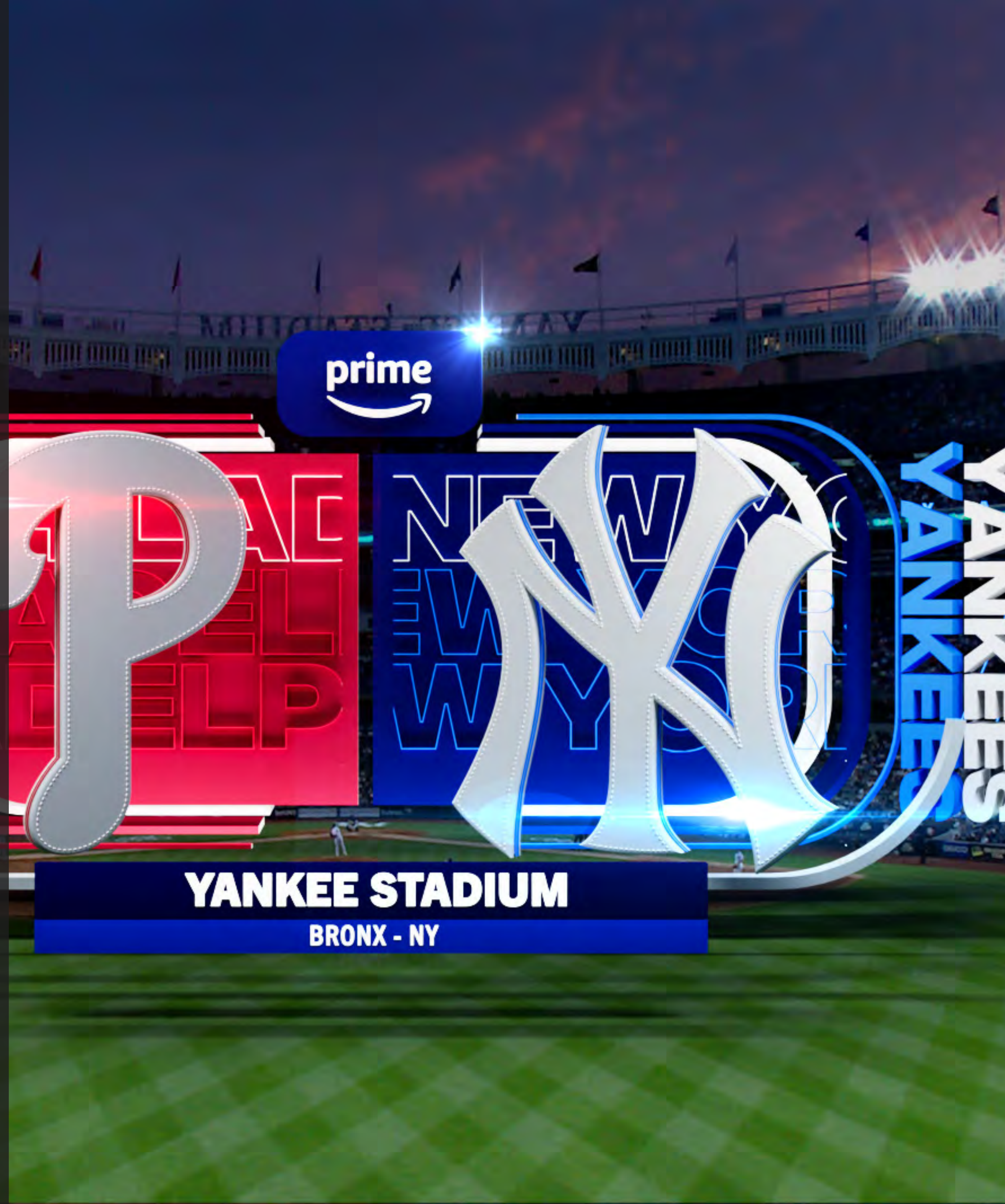
1 ZION WILLIAMSON
SEASON: 20.3 PAINT PPG (LEADS NBA)
LAST PLAYER WITH 20+ PAINT PPG - SHAQUILLE O'NEAL (2001-02)

95 80 22.6
STEPHEN CURRY · 33 HERO PTS
36 PTS, 7-16 3-PT FG









AMAZON PRIME YANKEES YES NETWORK

AUGMENTED GRAPHICS

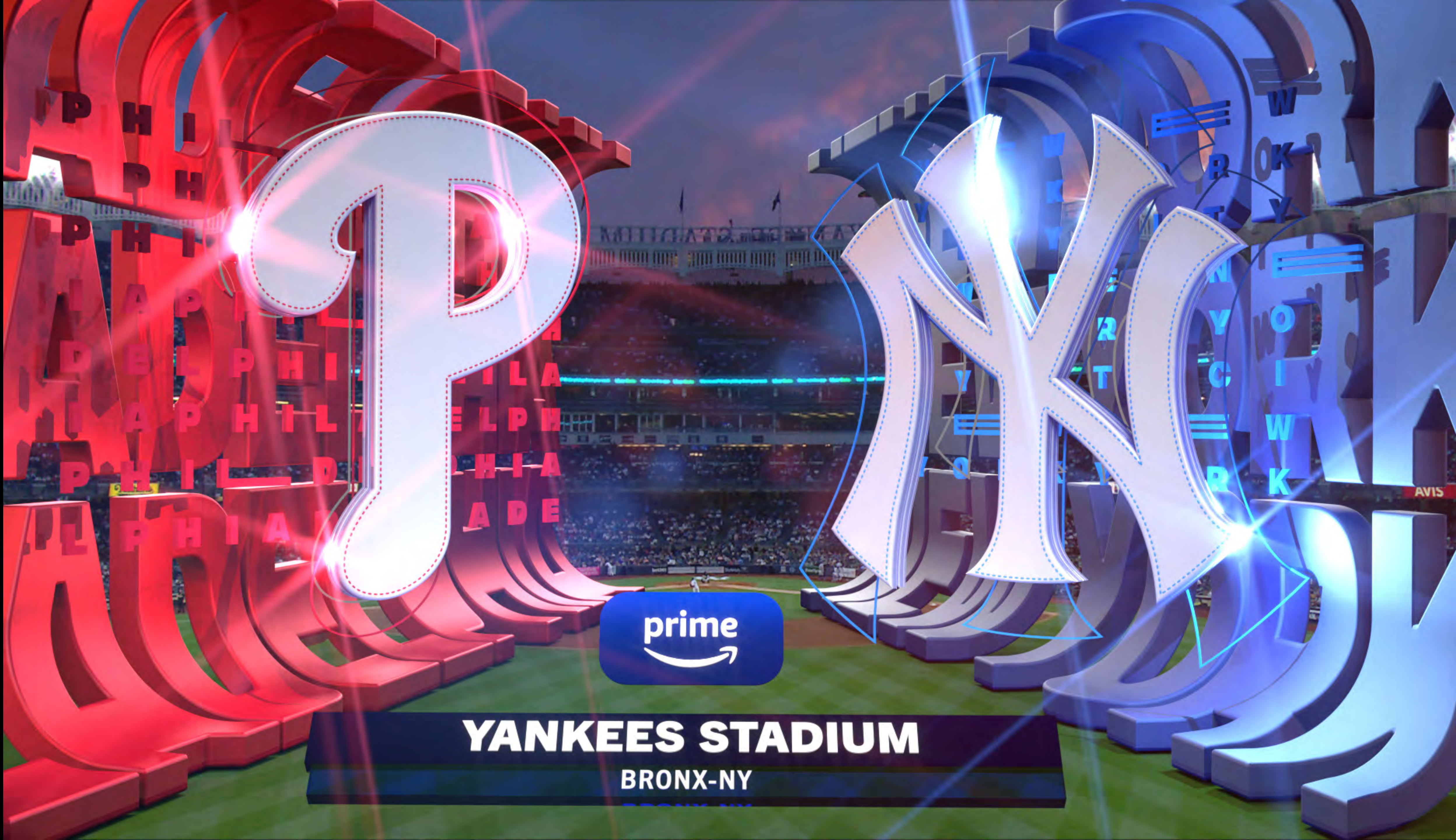
▶ **YANKEES YES NETWORK REEL**

prime video

prime

PHILADELPHIA PHILLYS P PAE NEW YORK YANKEES

YANKEE STADIUM
BRONX - NY



YANKEES STADIUM
BRONX-NY

prime

NEW YORK YANKEES

GERRIT COLE

W-L	13 - 8	IP	200.2
ERA	3.50	SO	257
WAR	2.4	WHIP	1.1017

prime

ARIZONA

MADISON BUMGARNER

W-L	7 - 15	IP	158.2
ERA	4.88	SO	112
WAR	-0.8	WHIP	1.437

prime

STARTING PITCHERS TONIGHT

PHILADELPHIA PHILLIES

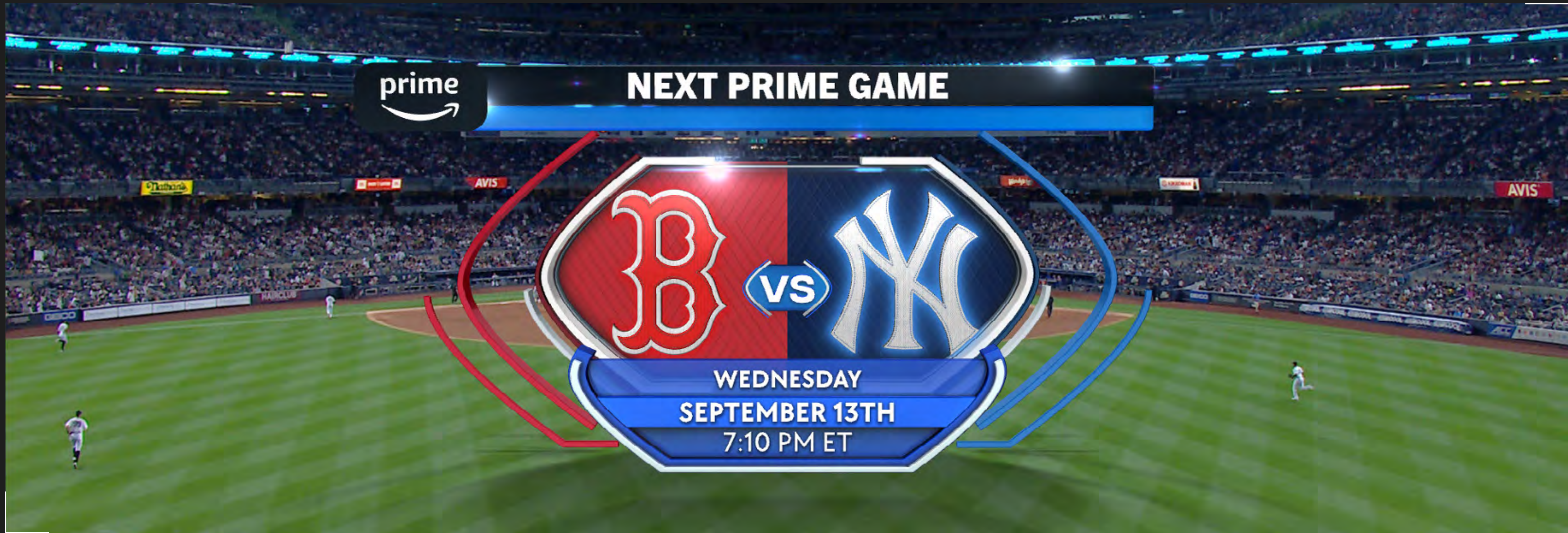
JACK WHEELER

W-L	12 - 7	IP	153.0
ERA	2.82	SO	163
WAR	5.1	WHIP	1.039

NEW YORK YANKEES

GERRIT COLE

W-L	13 - 8	IP	200.2
ERA	3.50	SO	257
WAR	2.4	WHIP	1.1017





LAYER
CUP



LAYER CUP

GRAPHICS PACKAGE
AUGMENTED GRAPHICS

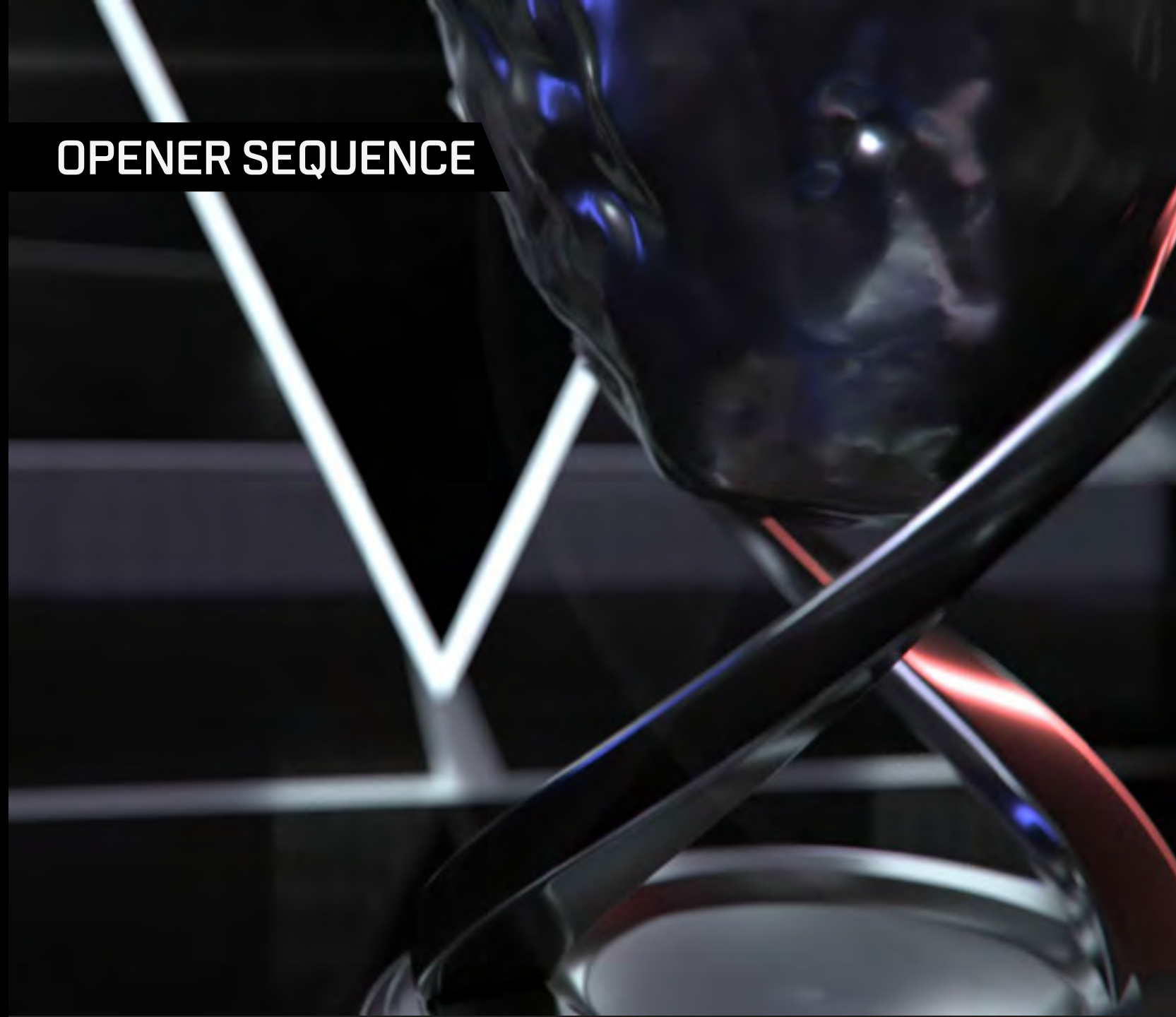
▶ LAYER CUP REEL

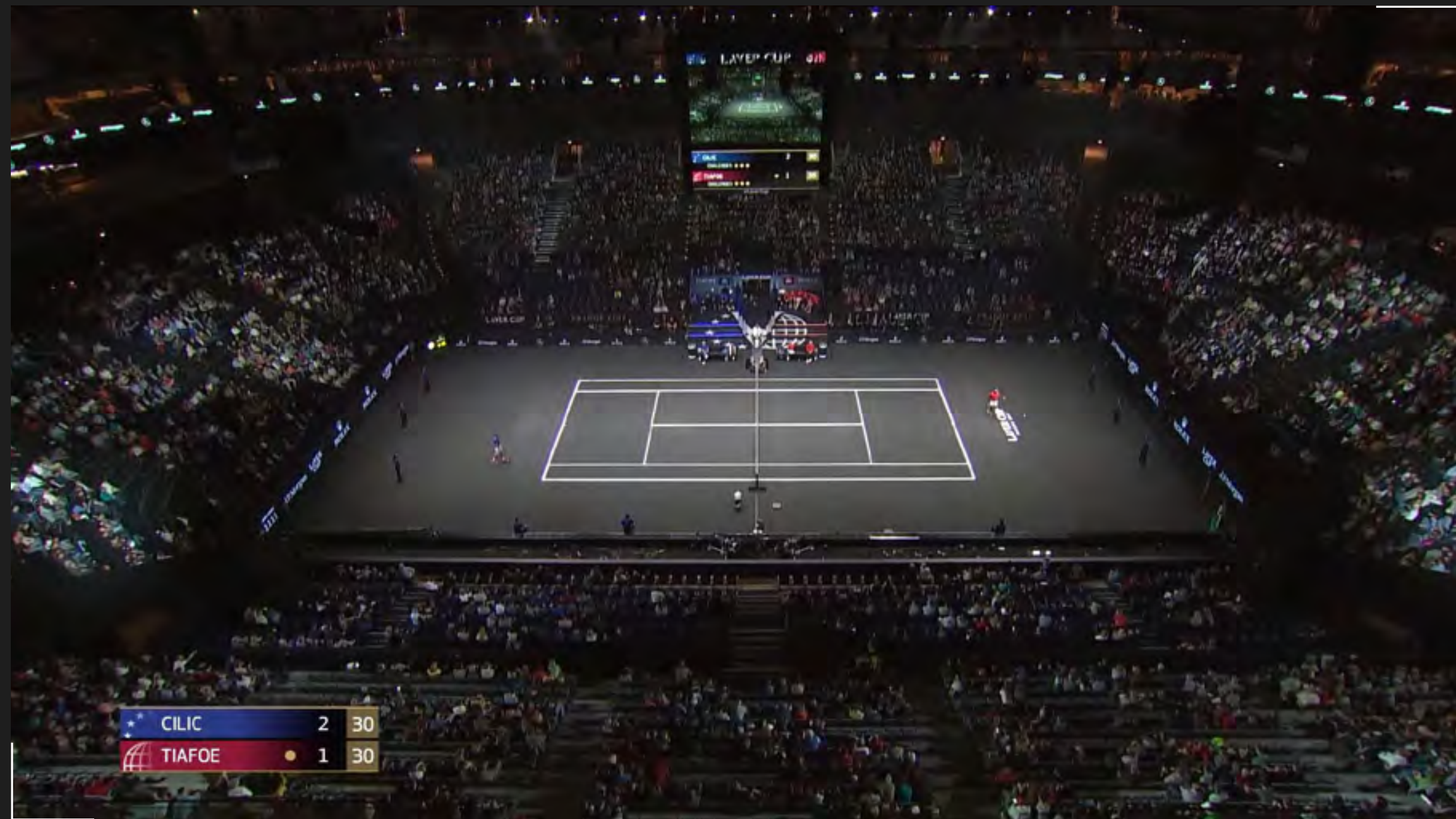
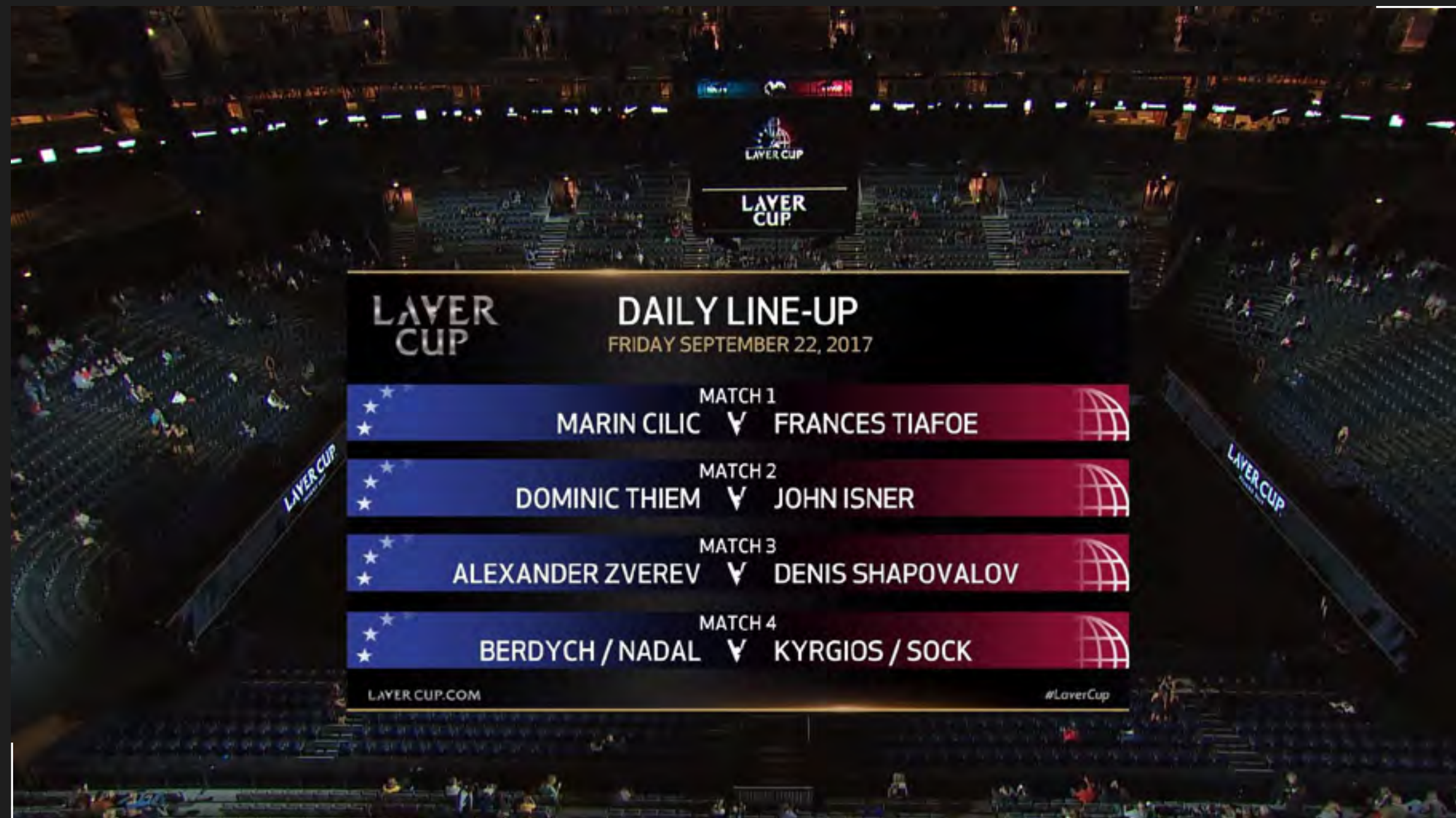


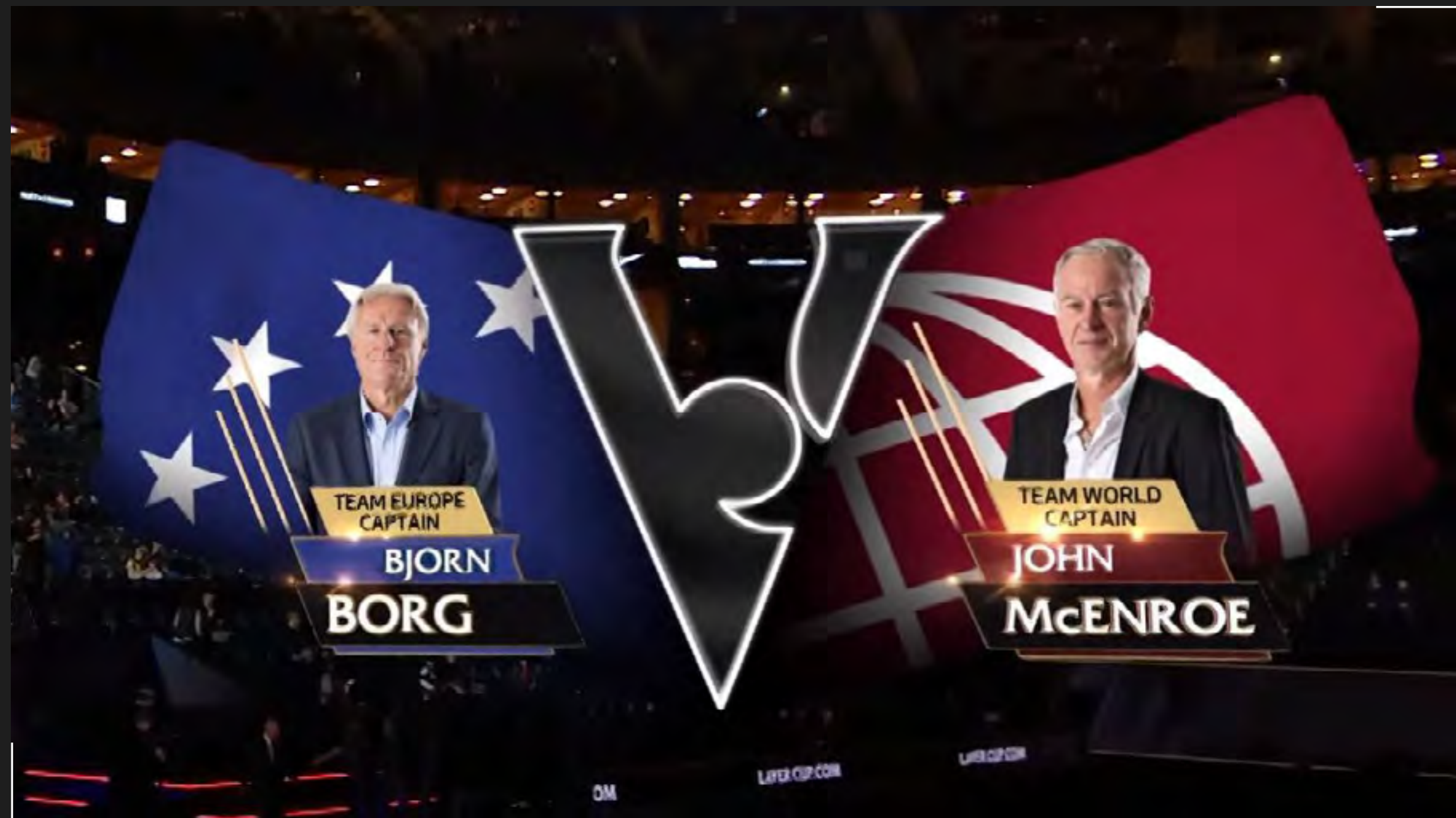
LAVER CUP

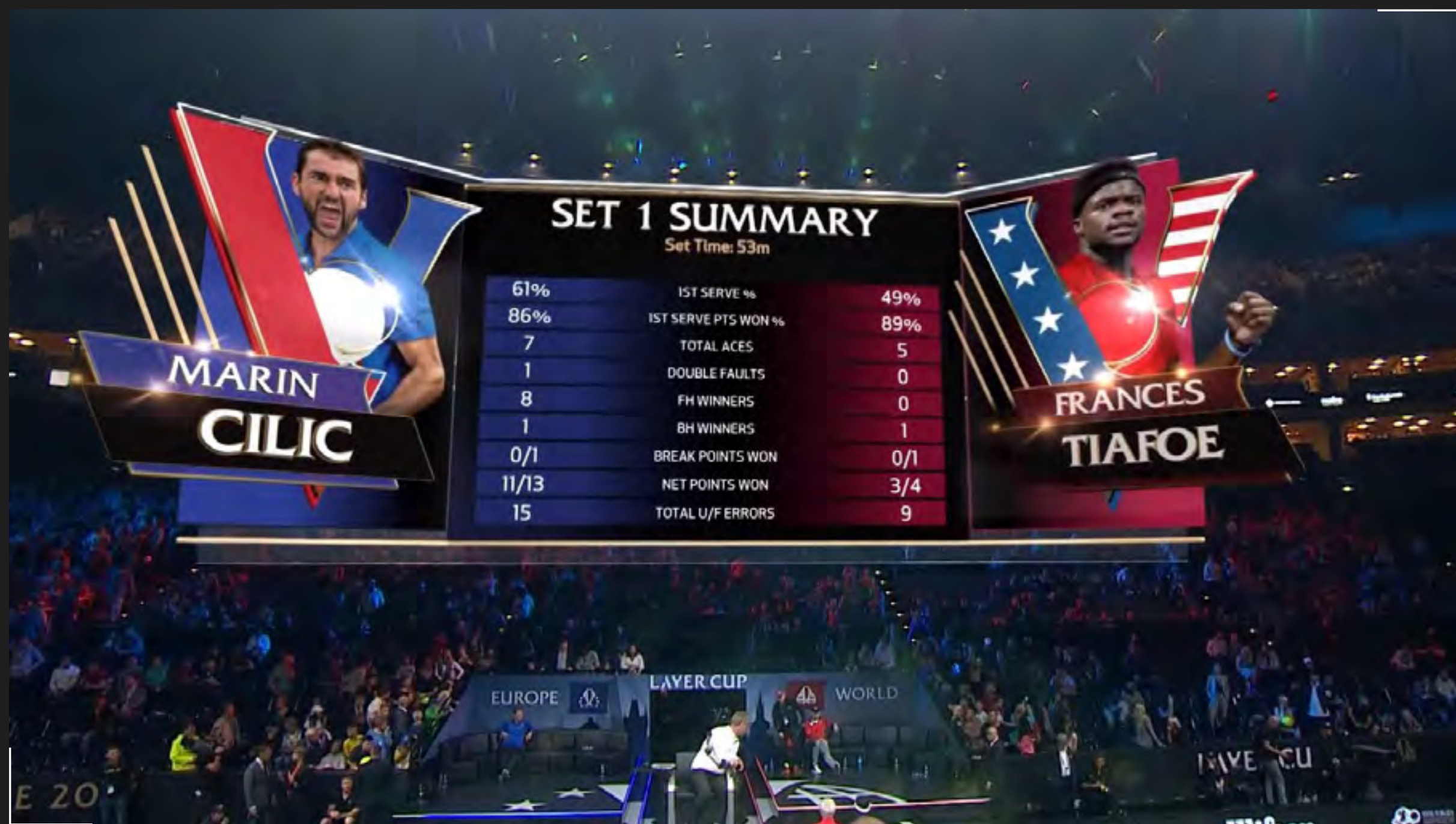
Girraphic has been involved with the Laver Cup since it began in 2017 at the O2 Arena in Prague. Similar to the Australian Open, we provided in-match graphics, augmented virtual graphics, and G-Cam statistical court overlays. Girraphic provided four virtual cameras in addition to match and integrated feed graphics.

OPENER SEQUENCE









Tencent 腾讯



TENCENT FIFA WORLD CUP 2018

BRANDING
GRAPHICS PACKAGE
VIRTUAL SET
AUGMENTED GRAPHICS

▶ TENCENT FIFA WORLD CUP REEL





最佳射手榜 / 助攻榜

排名	球员名字	国家名字	进球数
1	 鲁尼	 英格兰	6 [点球1]
2	 内马尔	 巴西	5
3	 梅西	 阿根廷	4 [点球1]
3	 罗纳尔多	 葡萄牙	4
4	 托马斯穆勒	 德国	3

腾讯体育





BEYOND THE LIMITS

OUR GALLERY



 **COMBAT**
WATCH OUR REEL

 **ELECTIONS**
WATCH OUR REEL

 **MOTORSPORTS**
WATCH OUR REEL

 **SOCCER**
WATCH OUR REEL

 **TENNIS**
WATCH OUR REEL

 **UNREAL**
WATCH OUR REEL



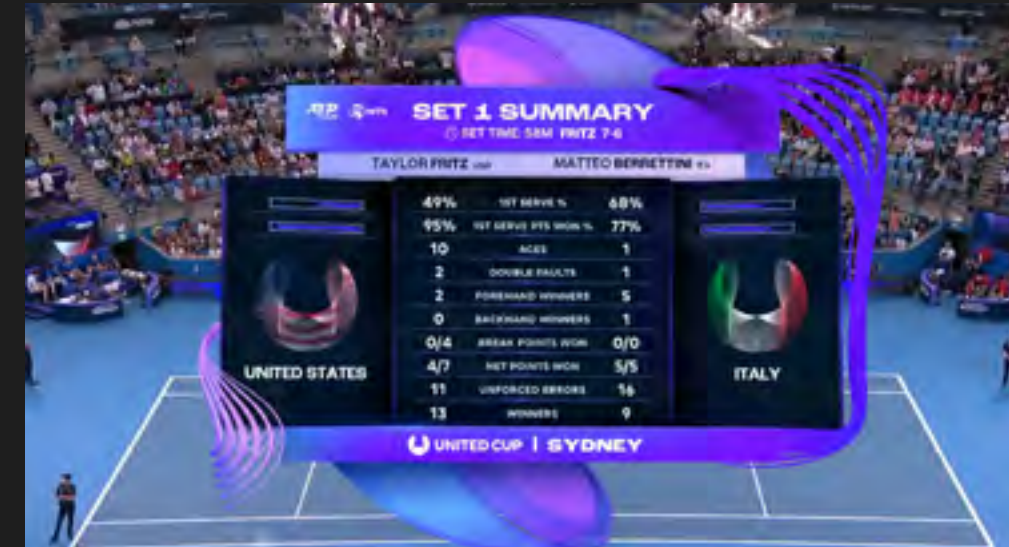
// PORTFOLIO -



UNITED CUP

BRANDING & GRAPHICS PACKAGE

UNITED CUP REEL



ATP CUP 2020/2021

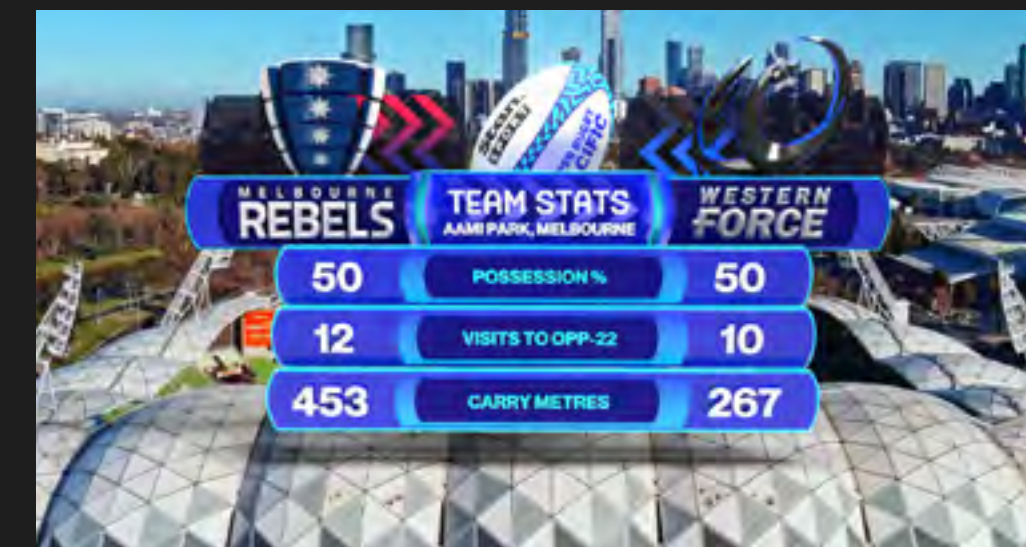
BRANDING & GRAPHICS PACKAGE

ATP CUP REEL



STAN RUGBY

AUGMENTED GRAPHICS



Tencent 腾讯

TENCENT SPORTS

BRANDING & GRAPHICS PACKAGE

TENCENT SPORTS REEL



// PORTFOLIO -



AUSTRALIAN OPEN 2018

BRANDING & GRAPHICS PACKAGE
AUGMENTED GRAPHICS

[AUSTRALIAN OPEN REEL](#)



WORLD TABLE TENNIS

GRAPHICS PACKAGE

[WTT REEL](#)



WTA TOUR

BRANDING & GRAPHICS PACKAGE

[WTA REEL](#)



SUPERCARS CHAMPIONSHIP

BRANDING & GRAPHICS PACKAGE
AUGMENTED GRAPHICS

[TELEMETRY REEL](#)

[TOUCHSCREEN REEL](#)



// UNREAL PROJECTS —



THE LONDONER

VIRTUAL ENVIRONMENT

[LONDONER REEL](#)



Ray White.

RAY WHITE AWARDS SHED

VIRTUAL SET



Ray White.

RAY WHITE AWARDS

VIRTUAL SET

[RAY WHITE REEL](#)



State Farm STADIUM

FOX SPORTS

STATE FARM STADIUM

VIRTUAL PRODUCTION

[STATE FARM STADIUM REEL](#)



// FOOTBALL PROJECTS -



ESPN GEAR UP

VIRTUAL SET

[GEAR UP REEL](#)



PAC-12 CHAMPIONSHIP

AUGMENTED GRAPHICS

[PAC-12 CHAMPIONSHIP REEL](#)



SUPER BOWL LIII OPENING NIGHT

AUGMENTED GRAPHICS

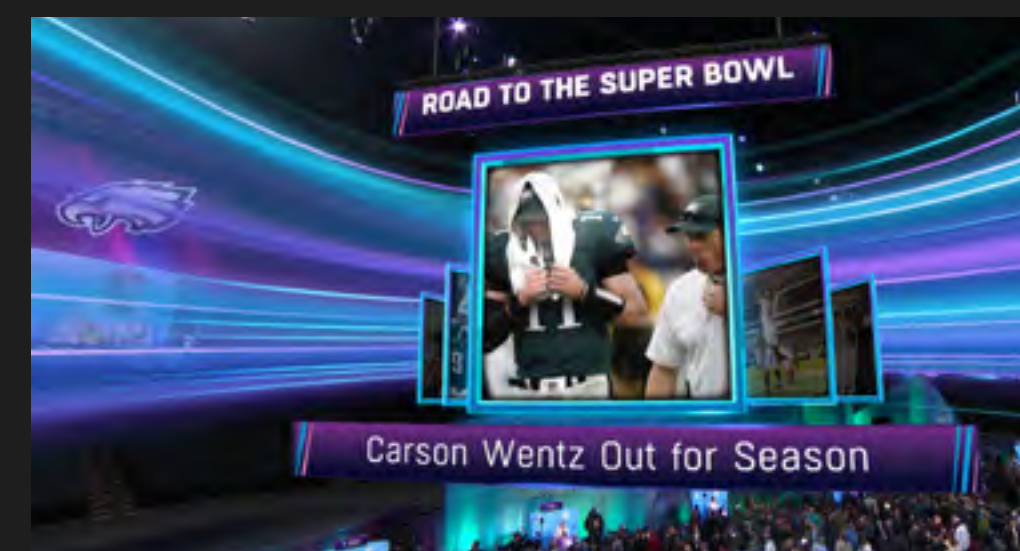
[SUPER BOWL LIII OPENING NIGHT REEL](#)



SUPER BOWL LII OPENING NIGHT

AUGMENTED GRAPHICS

[SUPER BOWL LII OPENING NIGHT REEL](#)



// FOOTBALL PROJECTS -



NFL NETWORK GAMEDAY

VIRTUAL SET



NFL NETWORK

SCOUTING COMBINE

AUGMENTED GRAPHICS

[NFL NETWORK SCOUTING COMBINE](#)



STATE OF ORIGIN

AUGMENTED GRAPHICS

[STATE OF ORIGIN REEL](#)



NRL MONDAY NIGHT FOOTBALL

AUGMENTED GRAPHICS



// SOCCER PROJECTS —



AUSTRALIAN CUP 2023

GRAPHICS PACKAGE

TEAM LIST
SYDNEY FC

NO.	NAME	POSITION
1	Andrew Redmayne	Goalkeeper
4	Jordan Courtney-Perkins	Defender
15	Gabriel Lacerda	Defender
8	Jake Girdwood-Reich	Defender
23	Rhyah Grant	Defender
26	Luke Brattan	Defender
12	Corey Hallman	Defender
11	Robert Mak	Defender
17	Anthony Cáceres	Defender
10	Joseph Lolley	Defender
13	Patrick Wood	Defender
27	K. Adamson	Forward
28	N. Amaratidis	Forward
22	H. Burgess	Forward
9	F. Gomes	Forward
3	A. Gurd	Forward
25	J. Kucharski	Forward
30	A. Pavlesic	Forward

COACH: Steve Sinica 4-2-3-1



AUSTRALIA CUP
ROUND OF 32 DRAW

GOULBURN VALLEY SUNS FC	APIA LEICHHARDT FC
MORETON BAY UNITED	HEIDELBERG UNITED FC
METROSTARS	INGLEWOOD UNITED FC
NORTHCOTE CITY SC	ADELAIDE UNITED
CAMPBELLTOWN CITY SC	GLORY/MACARTHUR
MT DRUITT TOWN RANGERS SC	CANBERRA CROATIA FC
FLOREAT ATHENA	WESTERN SYDNEY WANDERERS
GOLD COAST KNIGHTS	DEVONPORT CITY STRIKERS



SBS THE WORLD GAME

BRANDING & GRAPHICS PACKAGE

THE WORLD GAME REEL



PLAYER STATS
MARC JANKO

MATCHES	22
MINUTES PLAYED	1738
GOALS	18
ASSISTS	3
MIN PER GOAL	100



JOHN DYKES SHOW

JOHN DYKES SHOW

BRANDING & GRAPHICS PACKAGE

JOHN DYKES SHOW REEL



ALAMIYA KINGS CUP

GRAPHICS PACKAGE
AUGMENTED GRAPHICS

KINGS CUP REEL



53	استاد محمد	47
22	تسديدات	6
14	اخطاء	15
7	ركيانات	2
7	كرويت مغراه	1



// SOCCER PROJECTS —



PP SPORTS

SET DESIGN CONCEPT



STAN SPORT UEFA

GRAPHICS PACKAGE
TOUCHSCREEN

[STAN UEFA REEL](#)



DSTV PREMIERSHIP

BRANDING

[DSTV PSL REEL](#)



KSA SPORTS MBS

BRANDING

[KSA MBS REEL](#)



// PORTFOLIO -



RED BULL VIRTUAL STUDIO

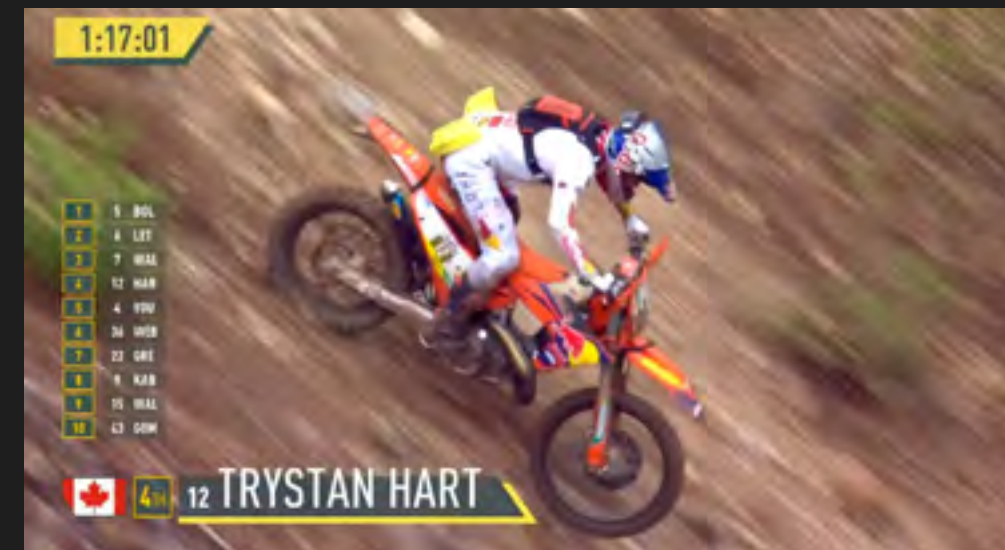
SET DESIGN



RED BULL ERZBERGRODEO

BRANDING & GRAPHICS PACKAGE
CUSTOM APPLICATION & AUGMENTED GRAPHICS

ERZBERGRODEO REEL



RED BULL BC ONE

BRANDING & GRAPHICS PACKAGE
AUGMENTED REALITY

BC ONE REEL



WSX CHAMPIONSHIP

BRANDING & GRAPHICS PACKAGE

SUPERCROSS REEL



// VIRTUAL SET PROJECTS -

Tencent 腾讯

TENCENT SPORTS SET

BRANDING & GRAPHICS PACKAGE
AUGMENTED GRAPHICS



ESPN

ESPN STUDIO C

VIRTUAL SET



TVNZ

TVNZ TOKYO OLYMPICS

VIRTUAL SET

[TVNZ OLYMPICS REEL](#)



7

7NEWS

WINTER OLYMPICS

AUGMENTED GRAPHICS



// PORTFOLIO -



ESPN AROUND THE HORN

AUGMENTED GRAPHICS

[AROUND THE HORN REEL](#)



HSBC LPGA

WOMEN'S WORLD CHAMPIONSHIP

AUGMENTED GRAPHICS

[LPGA REEL](#)



ULTIMATE TENNIS SHOWDOWN

BRANDING & GRAPHICS PACKAGE

[UTS REEL](#)



VALORANT

VIRTUAL SET DESIGN



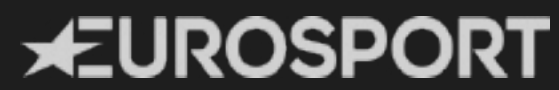
// PORTFOLIO —



ESPN JUST FOR MEN

VIRTUAL PRODUCTION

[JUST FOR MEN REEL](#)



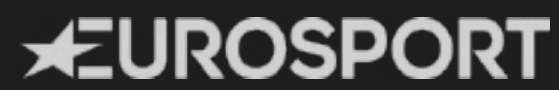
EUROSPORT

WINTER OLYMPICS 2022

AUGMENTED GRAPHICS

[EUROSPORT OLYMPICS REEL](#)

[EUROSPORT OLYMPICS BTS](#)



EUROSPORT

TOUR DE FRANCE

AUGMENTED GRAPHICS



TWITCH

VIRTUAL SET
GRAPHICS PACKAGE
AUGMENTED GRAPHICS



// PORTFOLIO —



VIÑA DEL MAR MUSIC FESTIVAL

AUGMENTED GRAPHICS

[VIÑA DEL MAR REEL](#)



NISSAN COMMERCIAL DOME

PROJECTION MAPPING



GENERAL MOTORS CORVETTE

AUGMENTED GRAPHICS PACKAGE

[CORVETTE REEL](#)



VENN

GRAPHICS PACKAGE

[VENN REEL](#)



// BETTING PROJECTS —



CAESARS SPORTSBOOK

SUPERBOWL PARTY

VIRTUAL PRODUCTION
GRAPHICS PACKAGE



SKY RACING

REBRAND

BRANDING & GRAPHICS PACKAGE



TAB

TAB NZ

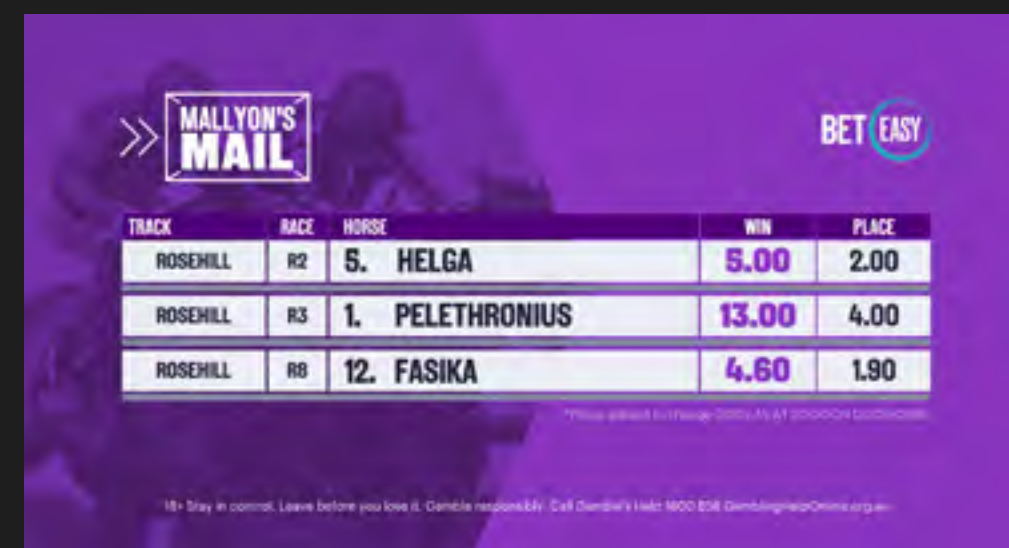
PREMIER PACKAGE

GRAPHICS PACKAGE



BET EASY

GRAPHICS PACKAGE



// ELECTIONS PROJECTS

▶ ELECTIONS REEL



Televisa

TELEVISA

USA ELECTIONS 2020

AUGMENTED GRAPHICS

▶ TELEVISA REEL



FOX NEWS

USA ELECTIONS 2018

AUGMENTED GRAPHICS

▶ FOX NEWS REEL

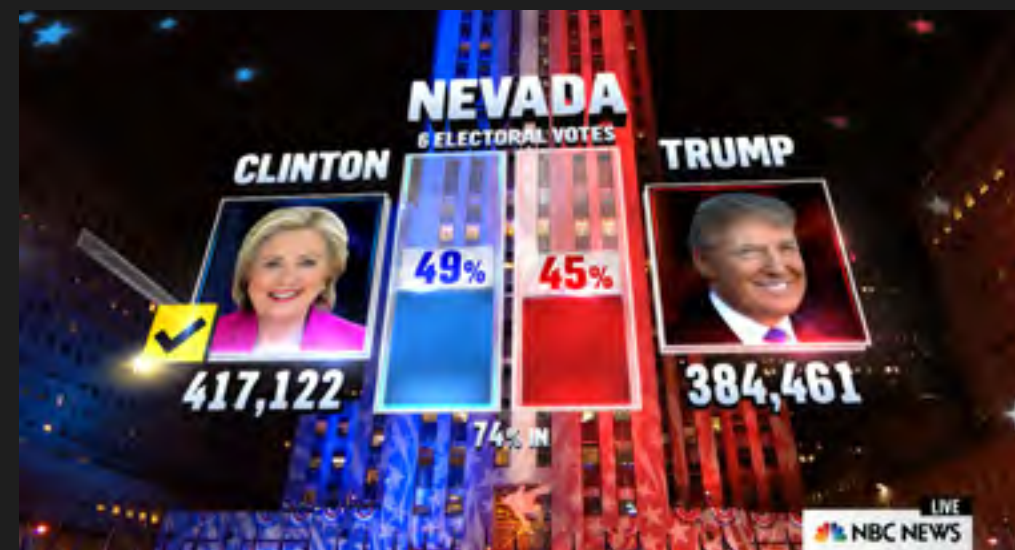


NBC MSNBC

USA ELECTIONS

AUGMENTED GRAPHICS

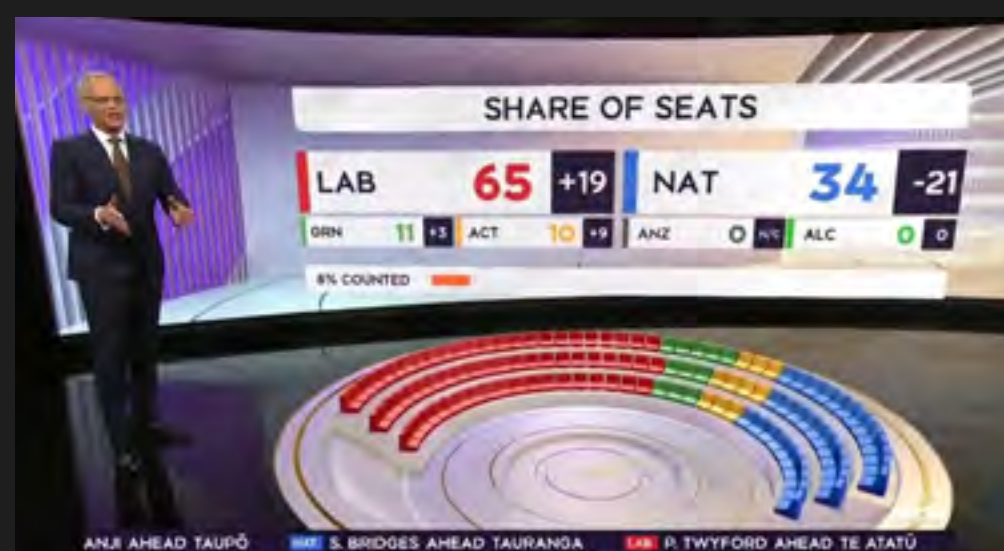
▶ NBC MSNBC REEL



TVNZ ELECTIONS 2020

AUGMENTED GRAPHICS

▶ TVNZ REEL



// ELECTIONS PROJECTS

ELECTIONS REEL

13

CANAL 13

CHILE PRESIDENTIAL ELECTIONS 2021

GRAPHICS PACKAGE

CANAL 13 REEL



7

7NEWS

AUSTRALIA ELECTIONS 2022

AUGMENTED GRAPHICS

7NEWS REEL



ABC AUSTRALIA

ABC NEWS ELECTIONS 2022

BRANDING & GRAPHICS PACKAGE
AUGMENTED GRAPHICS

ABC NEWS REEL



7

7NEWS

NSW | AUSTRALIA STATE ELECTIONS 2023

GRAPHICS PACKAGE

7NEWS REEL



// ELECTIONS PROJECTS

ELECTIONS REEL

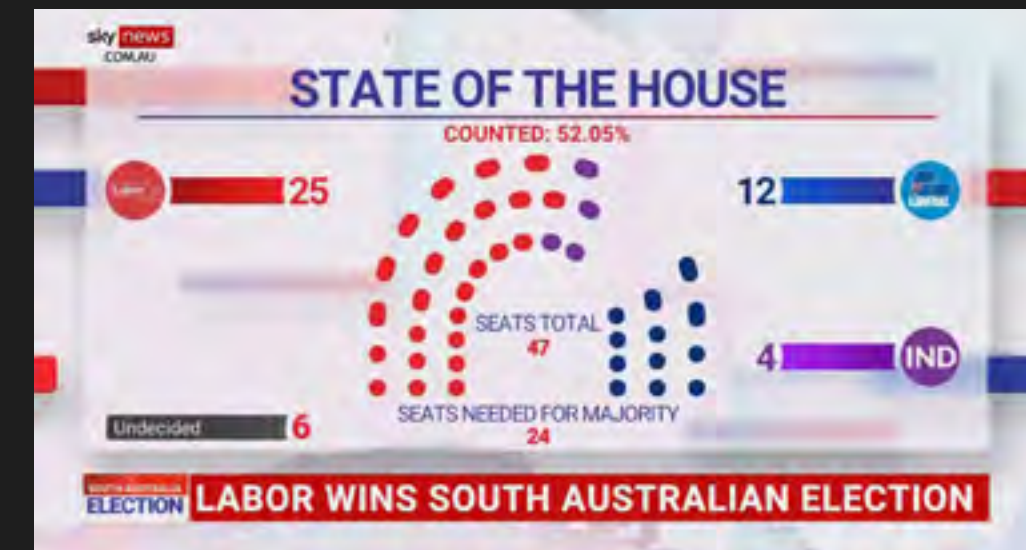
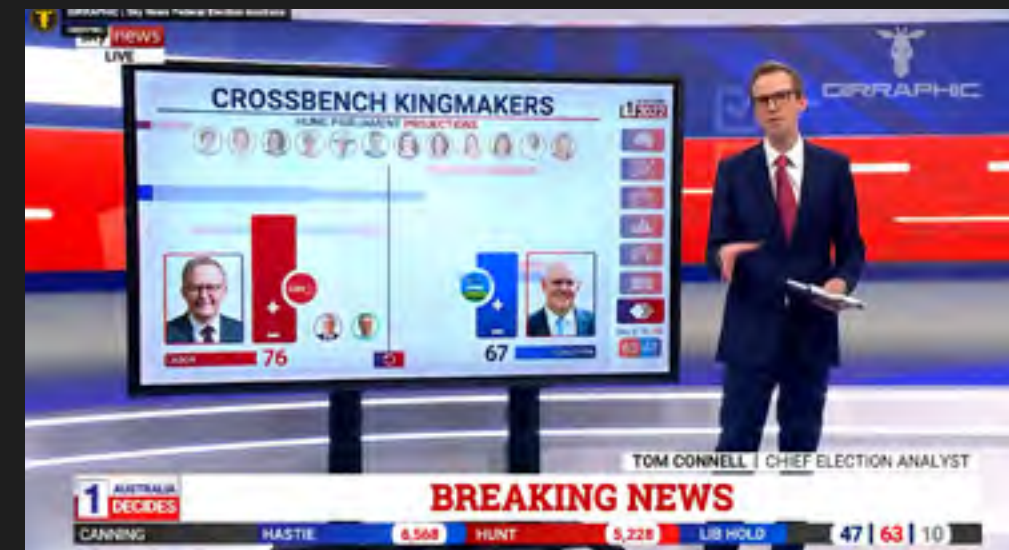
sky NEWS

SKYNEWS

AUSTRALIA ELECTIONS 2022

AUGMENTED GRAPHICS

SKY NEWS REEL



7NEWS

AUSTRALIA DECIDES ELECTIONS 2019

BRANDING & GRAPHICS PACKAGE
AUGMENTED GRAPHICS

7NEWS REEL



MEGA

CHILE PLEBISCITE ELECTIONS 2021

GRAPHICS PACKAGE



CANAL 13

ELECTIONS 2017

GRAPHICS PACKAGE & AUGMENTED GRAPHICS

CANAL 13 REEL



// NEWS PROJECTS -



DISCOVERY NEWS HUB

VIRTUAL SET & AUGMENTED GRAPHICS

[NEWSHUB REEL](#)



SPECTRUM ELECTION

VIRTUAL SET DESIGN



TVNZ ONE NEWS REBRAND

BRANDING & INTEGRATION

[ONE NEWS REEL](#)



WILSON DOW

COMMVAULT



IMPORTANT NOTICE

This presentation includes confidential and proprietary information developed exclusively by Girraphic and provided to you in strict confidence. By attending this presentation, you agree that no part of the presentation or disclaimer may be disclosed, distributed, or reproduced to any third party without the prior written consent of Girraphic. The recipient of this presentation agrees to hold this presentation and its contents in strict confidence and to protect the same from loss, theft, or unauthorized use.

This presentation is for the sole purpose of providing the recipients with more detailed information about Girraphic's services and methodologies. No representation, express or implied, is made to the fairness, accuracy, completeness, or correctness of information contained in this presentation, including the accuracy, likelihood of achievement or reasonableness of any forecasts or statements in relation to future matters contained in the presentation.

Neither Girraphic nor its related affiliates, directors, employees or agents, nor any other person accepts any liability including, without limitation, any liability arising from fault or negligence, for any loss arising from the use of this presentation or its contents or otherwise arising in connection with it. You represent and confirm by attending and/or retaining this presentation, that you accept the above conditions.

CONFIDENTIALITY NOTICE

This presentation and the subject matter contained herein (the "Confidential Information") is unique and valuable to the Company, and the Company would suffer irreparable harm if the party reviewing this Confidential Information (the "Receiving Party") were to divulge such Confidential Information, or use such knowledge, information, and business acumen in competition with Company. The Confidential Information may not be copied or reproduced without the prior written consent of the Company, which may be withheld in the Company's sole discretion. The Company shall retain all ownership rights in and to the Confidential Information, including any copyright or other intellectual property rights. The Receiving Party will use the same degree of care that it uses to protect the confidentiality of its own confidential information of like kind (but not less than reasonable care) to: (i) not disclose any Confidential Information for any purpose outside the evaluation of a potential investment in the Company (the "Investment"); and (ii) except as otherwise authorized by the Company in writing, limit access to this presentation to those of its employees and advisors ("Representatives") who need access for purposes consistent with evaluating the Investment and who have signed confidentiality agreements with the Receiving Party containing protections not materially less protective than those herein. The Receiving Party will remain responsible for such Representatives' compliance with this Confidentiality Notice.



THANK
YOU

GIRRAPHC
IN CONTINUOUS CREATION

