

A woman with voluminous, curly dark hair is the central focus, looking slightly upwards and to the right with a gentle smile. She is wearing a yellow top. The background is a vibrant, futuristic digital space with a blue and orange color palette. It features a grid of glowing lines, floating geometric shapes like cubes and pyramids, and a sense of depth and movement. The overall aesthetic is clean, modern, and tech-oriented.


CES 처음 가는 사람을 위한 길라잡이

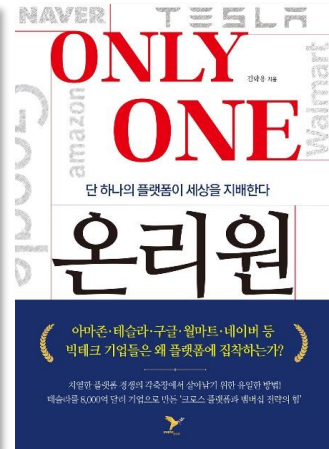
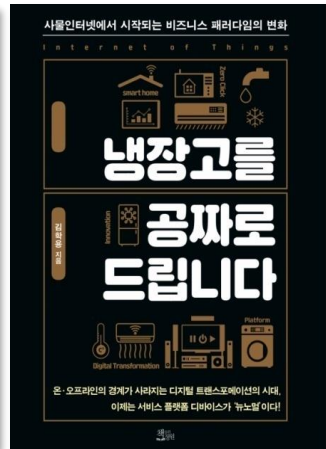
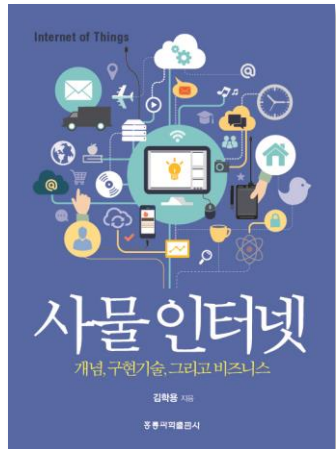
2023. 12. 28

김학용

IOT전략연구소

◆ 현) IOT전략연구소 소장

- 순천향대학교 및 부산대학교 교수 (사물인터넷) (2014~2020)
- LG유플러스 부장 및 삼성SDS 차장 (2003~2014)
- 산업자원부, 국토교통부, 과학기술부, 행정안전부, 서울시 등 자문
- 행정안전자치부 장관상(2020), 특허청 우수강사상(2016)
- 저서: <앰비언트 – 포스트 스마트폰 시대에 대비하라> 등 8권
-  김학용 IOTV



CES 2024 개요

◆ CES(Consumer Electronics Show) : 세계 최대의 **가전** 박람회 → **IT 융합** 박람회

	CES 2020	CES 2021	CES 2022	CES 2023	CES 2024
전시기간	1.7(화)~10(금), 4일	1.11(월)~14(목), 4일	1.5(수)~7(금), 3일	1.5(목)~8(일), 4일	1.9(화)~12(금)
주요특징	오프라인 개최, 역대 최대 규모	Covid-19로 온라인 개최, 16개 언어 동시번역 자막	온/오프라인 하이브리드 개최	오프라인 개최 (온라인은 별도 상품)	오프라인 개최 (최대 전시 면적)
참가규모	4,500개 기업, 18만명	2,000여 기업	2,200여 기업, 4.5만명	173국 3,200여 기업, 12만명 참관	4,124개 기업 13만명 예정
한국기업	390개 (미, 중, 3위)	341개 (미 570, 2위)	500개 (미1,300, 2위)	550개 (미1,300, 2위)	707개 3위 (미1,148, 중1,104)



CES 2020 참석



CES 2021~2022 온라인으로 참가



CES 2023 참석



CES 2024 참석

CES 2024 참가 현황

◆ CES 2024 참가 규모 (as of 12.26)

- 4,120개 이상의 기업 참가 (23년 대비 28.8% ↑)
- 우리나라는 707개 기업이 참가 (23년 대비 18.2% ↑)
- 미국 1,148개, 중국 1,104개, 프랑스 195개, 대만 178개, 일본 73개, 독일 62개

4000+

exhibitors

참가 기업수

1200+

startups within Eureka Park

유레카 파크의 스타트업

130K+

attendees

참가자수

309

FORTUNE GLOBAL 500

companies have registered.

84

INTERBRAND 100

companies have registered.

38

of the top retailers have registered.

57%

of registered attendees are senior-level.*

*President/Owner, C-level, VP, Director/Sr. Manager/General Manager

150+

countries represented.

41

different technology categories covered.

29

meetings on average
are conducted on-site.

12월 26일 기준

CES 2024 Slogan – All Together All On

- ◆ 2023년 BE IN IT(몰입하다, 빠져들다) → 2024년 All Together All On (모두 함께)
 - 전세계적인 전염병 위기, 국가간의 분쟁 및 대립을 넘어 모두 함께 하자
 - 2022년: Beyond the Everyday (일상을 넘어)
 - 모든 것이 항상 켜져 있고 연결되어 있으며 모든 산업에 걸쳐 다양한 기술이 융합되고 있음



CES 2023, BE IN IT



CES 2024, ALL TOGETHER ALL ON

CES 2024의 주요 키워드

◆ 미디어 프리뷰에서 밝힌 주요 키워드 ('23.12.07)

Generative AI

Digital Health

Vehicle Tech

Gaming

Cybersecurity

Sustainability

Space Tech

Future of Money

◆ 주목해야 할 주요 기술 분야

Generative AI

Smart Home

Digital Health

Food Tech

Beauty Tech

Metaverse

Retail Tech

Mobility

Space Tech

Sustainability

Security/Privacy

주목해야 할 분야 및 트렌드

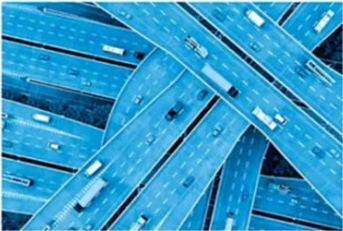
2023, 6 Key Technology Themes by CTA



Enterprise Tech Innovation



Metaverse / Web 3.0



Transportation / Mobility



Health Technology



Sustainability



Gaming and Services

2024년에 주목해야 할 트렌드



AI Everywhere



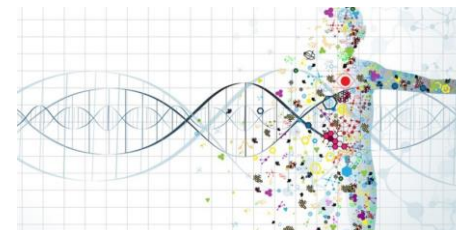
UI/UX Innovation



Smart Home (Matter+SLM)



Post Connected Car



Health, Beauty, Mind Care



Again China

Ambient

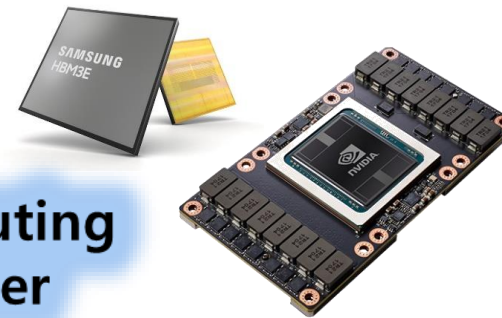
AI Everywhere & AI for All



AI Everywhere

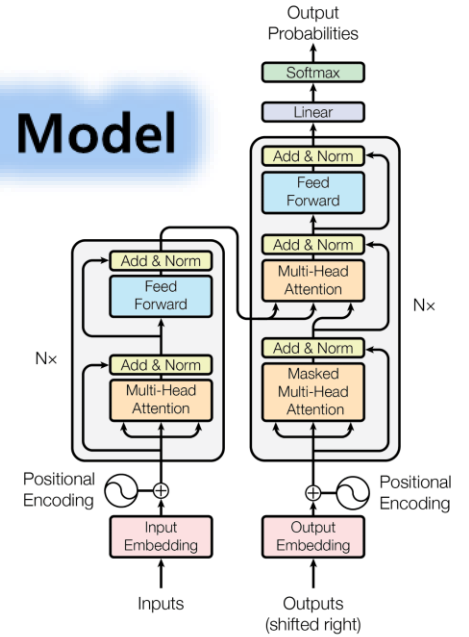


Data



Computing Power

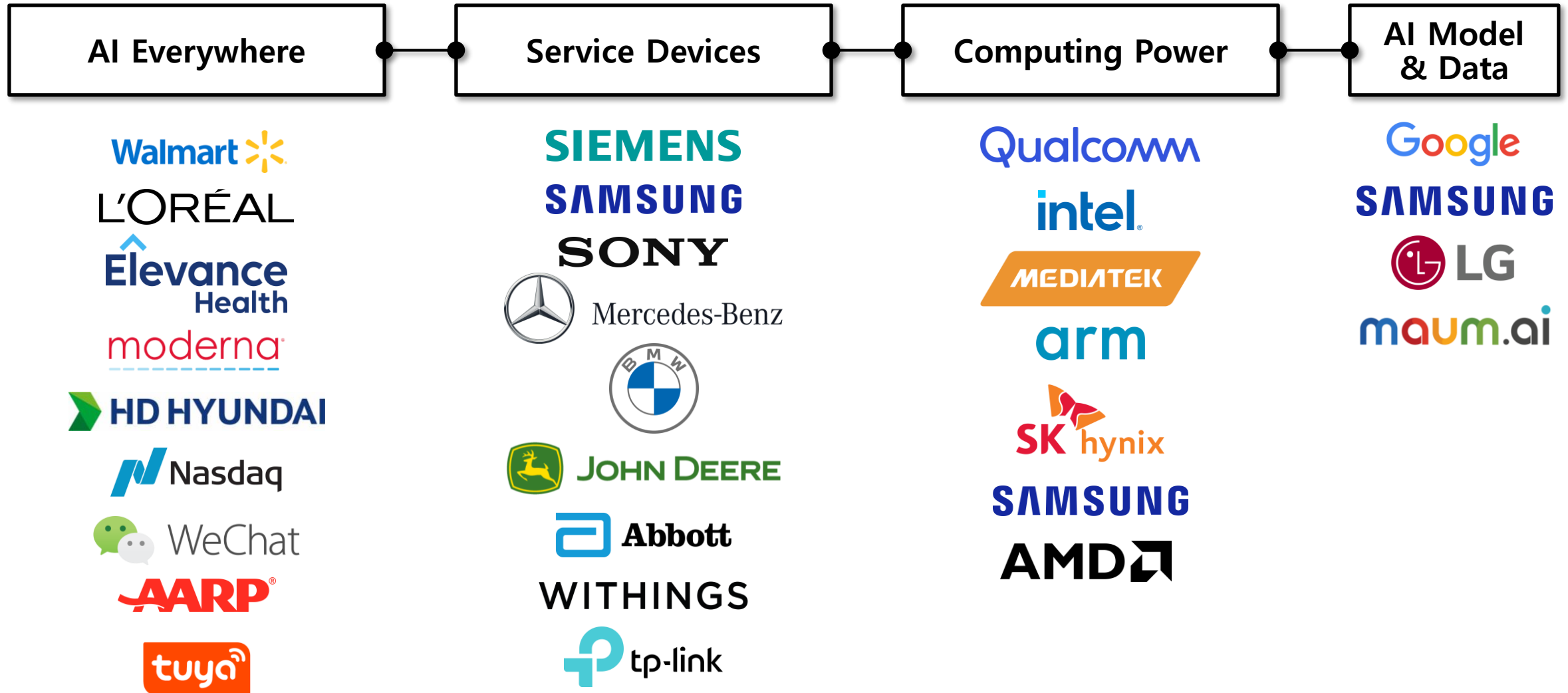
AI Model



Devices & Services



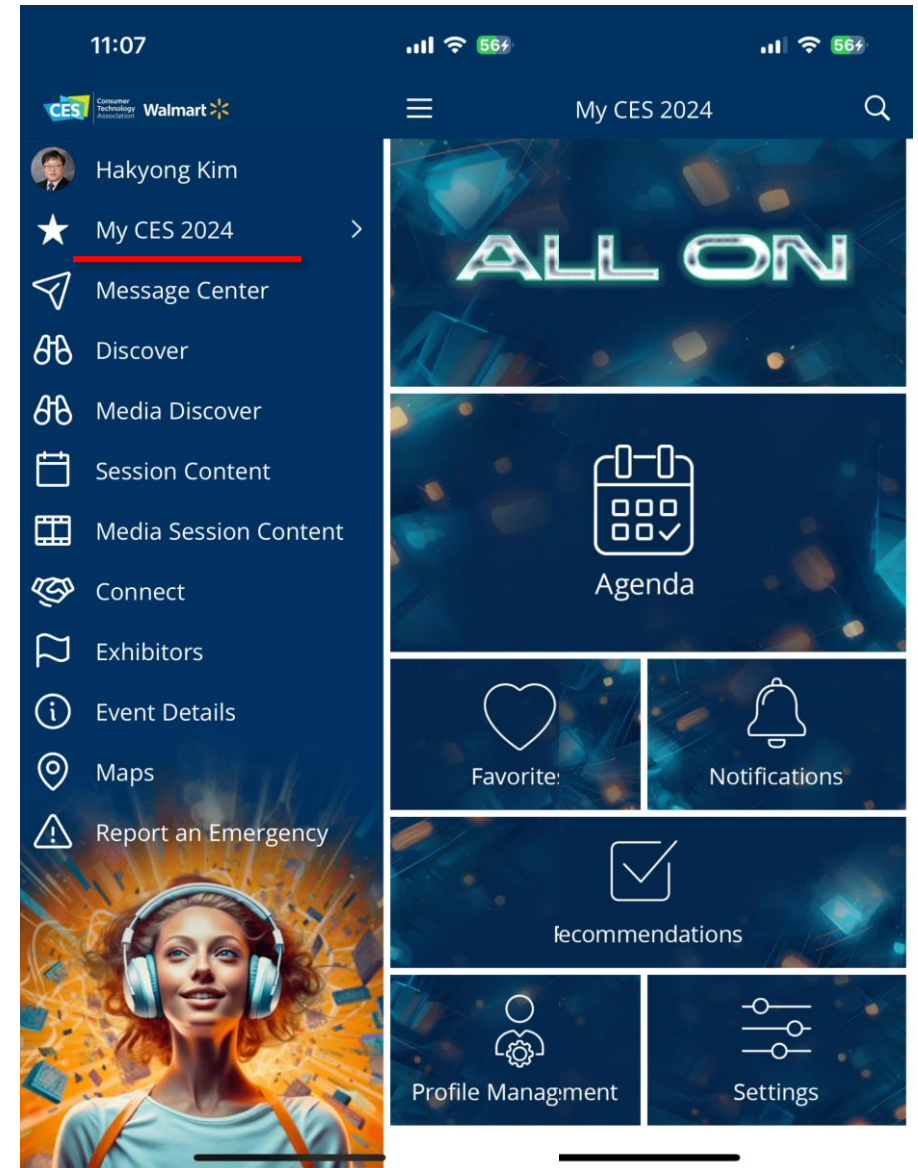
1. AI for All and AI Everywhere



CES.Tech 홈페이지 및 CES App 활용

◆ 스마트폰 앱을 설치한 후, 일정이나 관심사 관리

- 전시장 지도, 행사 정보 확인 등에 활용
- 전시참가가, 관람객 등과의 연락처 교환 등도 가능



전시 일정 (1/2)

SUNDAY, JAN. 7

Media Day 1 (Media Only)

LOCATION: MANDALAY BAY

- CES 2024 Tech Trends to Watch
- CES Unveiled Las Vegas

MONDAY, JAN. 8

Media Day 2 (Media Only)

LOCATION: MANDALAY BAY

C Space

LOCATION: ARIA

Conferences: 9 AM-6 PM

Conference Program

LOCATION: LVCC WEST

9 AM – 5 PM

TUESDAY, JAN. 9

Press Conferences

LOCATION: LVCC AND VENETIAN EXPO

Exhibits

LOCATION: LVCC AND VENETIAN EXPO

10 AM-6 PM

C Space

LOCATION: ARIA

Conferences: 9 AM-6 PM

Exhibits: 9 AM-6 PM

Conference Program

LOCATION: LVCC AND VENETIAN

9 AM – 5 PM

전시 일정 (2/2)

WEDNESDAY, JAN. 10

Press Conferences

LOCATION: LVCC AND VENETIAN EXPO

Exhibits

LOCATION: LVCC AND VENETIAN EXPO

9 AM-6 PM

C Space

LOCATION: ARIA

Conferences: 9 AM-6 PM

Exhibits: 9 AM-6 PM

Conference Program

LOCATION: LVCC AND VENETIAN

9 AM – 5 PM

THURSDAY, JAN. 11

Exhibits

LOCATION: LVCC AND VENETIAN EXPO

9 AM-6 PM

C Space

LOCATION: ARIA

Conferences: 9 AM-Noon

Exhibits: 9 AM-6 PM

Conference Program

LOCATION: LVCC AND VENETIAN

9 AM – 5 PM

FRIDAY, JAN. 12

Exhibits

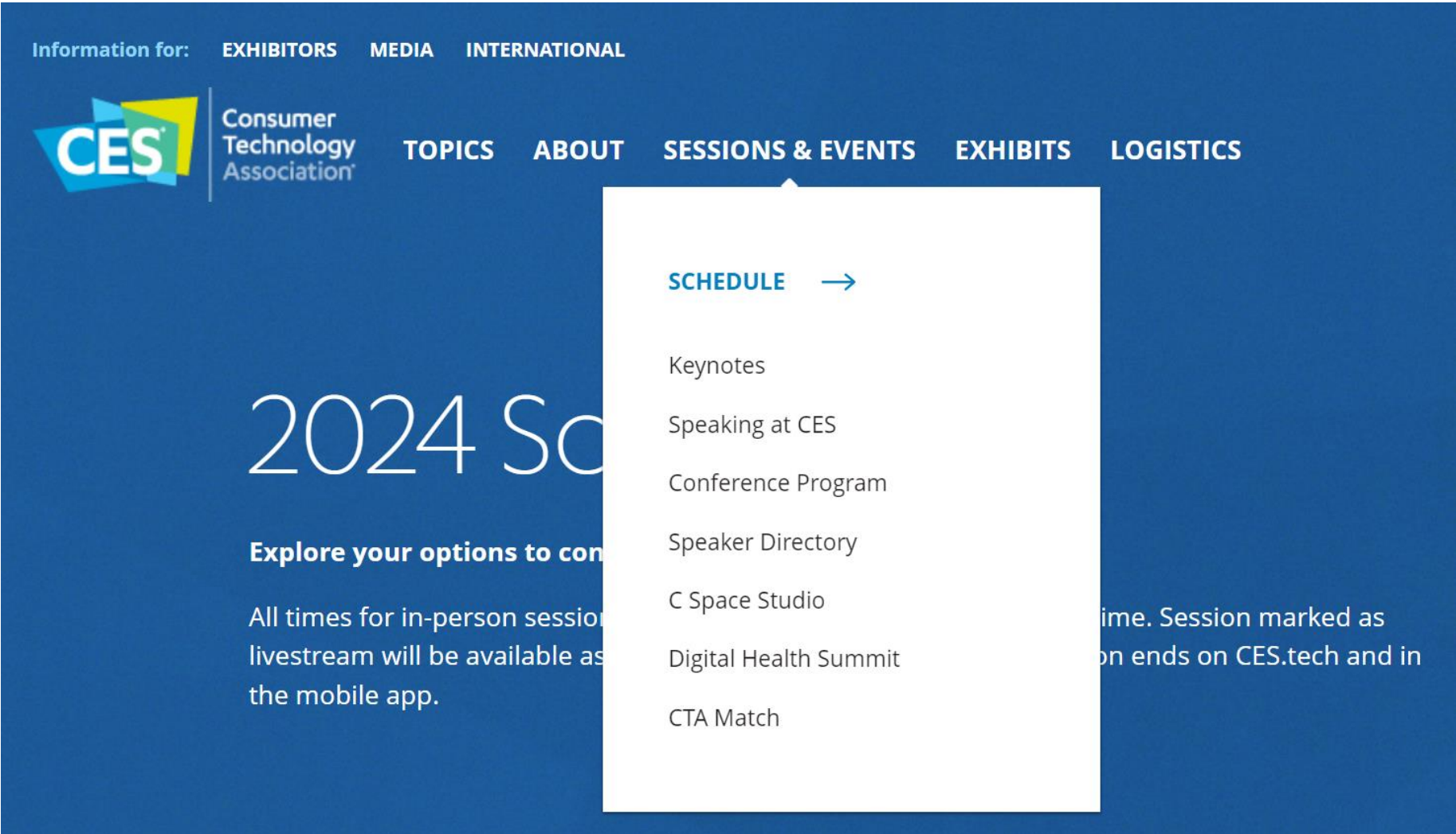
LOCATION: LVCC AND VENETIAN EXPO

9 AM-4 PM

마지막 날은 한가합니다. 즐 서야 하는 곳은 마지막날 보세요.

CES Keynotes & Conference Sessions

◆ 전시장과 컨퍼런스 장소를 감안하여 관람 일정을 수립해서 효과적으로 관람



자신이 관심 있는 분야의 컨퍼런스에도 참여

◆ Date, Time, Session Type, Topic, Location, Track을 선택 후 세션 검색

The screenshot displays a conference search interface. At the top, there is a dark blue header with 'Refine | 22 results' on the left and 'Tuesday, January 9' on the right. Below the header is a search bar with the text 'Search' and a magnifying glass icon. To the left of the main content area is a vertical sidebar with filter categories: DATE, TIME, SESSION TYPE, TOPIC, LOCATION, and TRACK, each with an upward-pointing arrow. The main content area shows two search results. The first result is for a session from 9:00 AM to 9:40 AM, titled 'PropTech: Extending Value in Multifamily'. It is a 'CONFERENCE SESSION' (indicated by '\$\$\$') and part of the 'Parks Associates: CONNECTIONS Summit' track. The location is 'Venetian, Level 4, Marcello 4404'. The second result is for a session from 10:00 AM to 11:00 AM, titled 'Pervasive intelligence through automated AI nanofactory'. It is a 'SHOW DAY PRESS CONFERENCE' and the location is 'LVCC, North Hall, 10974'.

Filter	Value
DATE	Tuesday, January 9
TIME	9:00 AM – 9:40 AM
SESSION TYPE	CONFERENCE SESSION \$\$\$
TOPIC	PropTech: Extending Value in Multifamily
LOCATION	Venetian, Level 4, Marcello 4404
TRACK	CONFERENCE TRACK Parks Associates: CONNECTIONS Summit
TIME	10:00 AM – 11:00 AM
SESSION TYPE	SHOW DAY PRESS CONFERENCE
TOPIC	Pervasive intelligence through automated AI nanofactory
LOCATION	LVCC, North Hall, 10974

Show Location Map – All Venues

Tech West

Tech East

Tech South

Tech West
Venetian Expo

Show Services at Tech West

Accessibility Desk Level 1 Lobby	Customer Service Center Level 2, Venetian Ballroom Level 1, Room 301	International Business Center Level 2 Lobby
CES 2025 Exhibit Space Selection Level 1, Room 310	Exhibitor Press Conferences Level 3, Lido 3105-3106	Keynotes Level 2, Palazzo Ballroom
Conference Sessions Level 4, Marcello and Lando	Innovation Awards Showcase Level 2, Halls A-D, Booth #56332	Media Room Level 2, Venetian Ballroom
CTA Member Lounge Level 2, Venetian Ballroom		Show Offices Level 3, East Foyer Venetian Tower, Suite 29-207

Key

- Accessibility Desk
- Badge Pickup
- C-Space Shuttle
- Customer Service
- Elevators
- Hotel Shuttle Buses
- Information
- Taxi
- Tech Express

Navigation Path: **TE**

Explore CES exhibit venues at CES.tech. As of Oct. 3, 2023. Locations subject to change. Map not to scale.

Tech East
Las Vegas Convention and World Trade Center (LVCC),
Renaissance Las Vegas and Westgate Las Vegas

Show Services at Tech East

Accessibility Desk LVCC, North Level 2, N250	Exhibitor Press Conferences LVCC, South Connector, S214 & S215	International Business Center LVCC, West Level 2, W225
CES 2025 Exhibit Space Selection LVCC, South Connector, S219	Media Room LVCC, West Level 2, W212	Show Office LVCC, North Level 2, N254
Conference Sessions LVCC, North Level 2, N250-N262	CTA Member Lounge LVCC, North Level 2, N237	Customer Service Center LVCC, West Level 1, W102
LVCC, West Level 2, W216-W232		

Key

- Accessibility Desk
- Automatic Doors
- Badge Pickup
- C-Space Shuttle
- Customer Service
- Elevators
- Hotel Shuttle Buses
- Information
- Live Wage Monitor
- LVCC Loop
- Passenger Pickup/Drop-off
- Taxi
- Tech Express
- Vegas Loop

Navigation Path: **TE**

Explore CES exhibit venues at CES.tech. As of Oct. 3, 2023. Locations subject to change. Map not to scale.

Tech South
ARIA

Show Services at ARIA

Badge Pickup East Level 2	Conference Sessions East Level 1, Joshua 9-10 East Level 1, Joshua 7-8
Customer Service West Level 2, Copperleaf 1	

C Space at ARIA Exhibit Hours

Tuesday, Jan. 9	9 AM-6 PM
Wednesday, Jan. 10	9 AM-6 PM
Thursday, Jan. 11	9 AM-6 PM

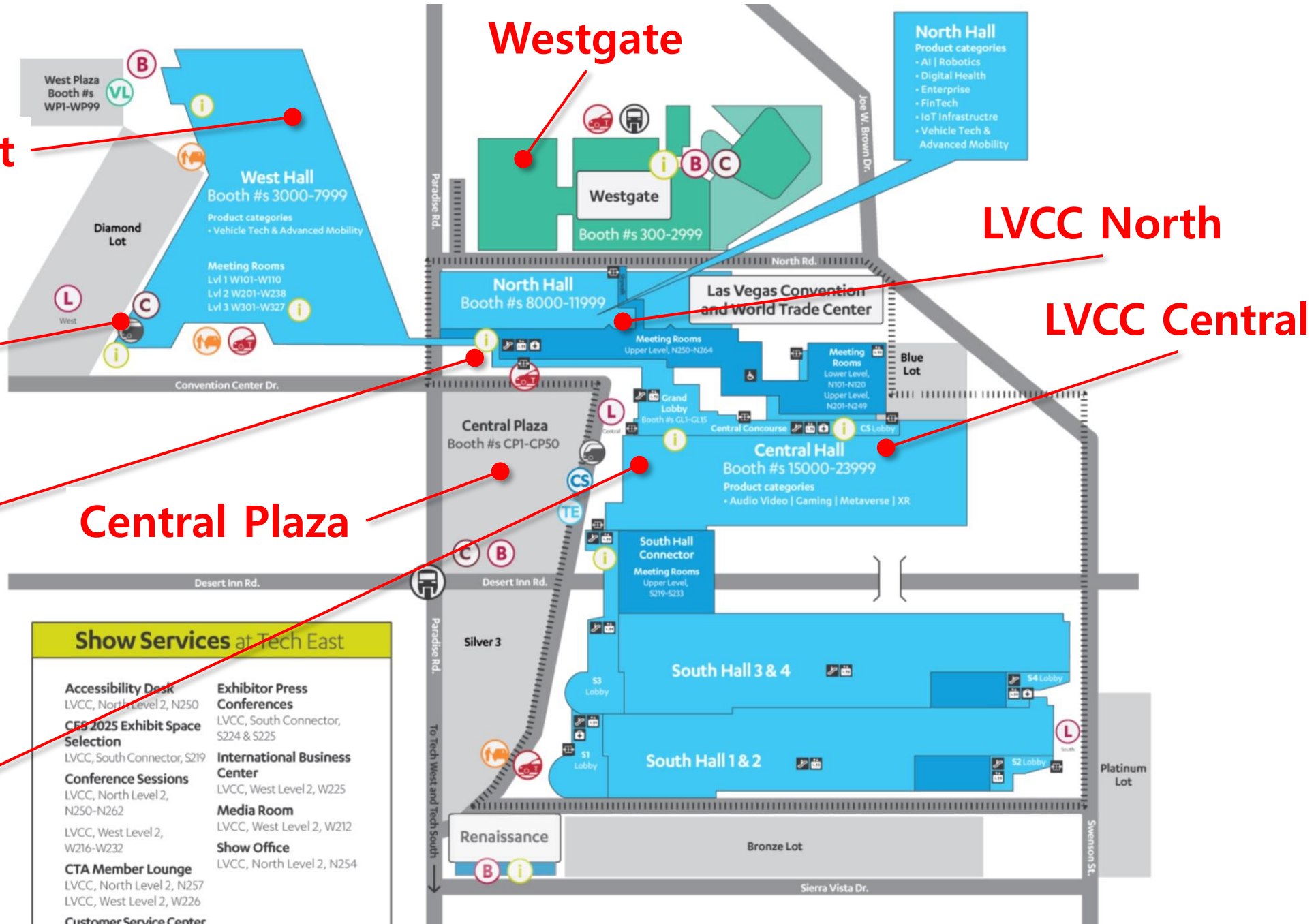
Key

- Badge Pickup
- C-Space Shuttle
- Customer Service
- Elevators
- Escalator
- Information

Explore CES exhibit venues at CES.tech. As of Oct. 3, 2023. Locations subject to change. Map not to scale.

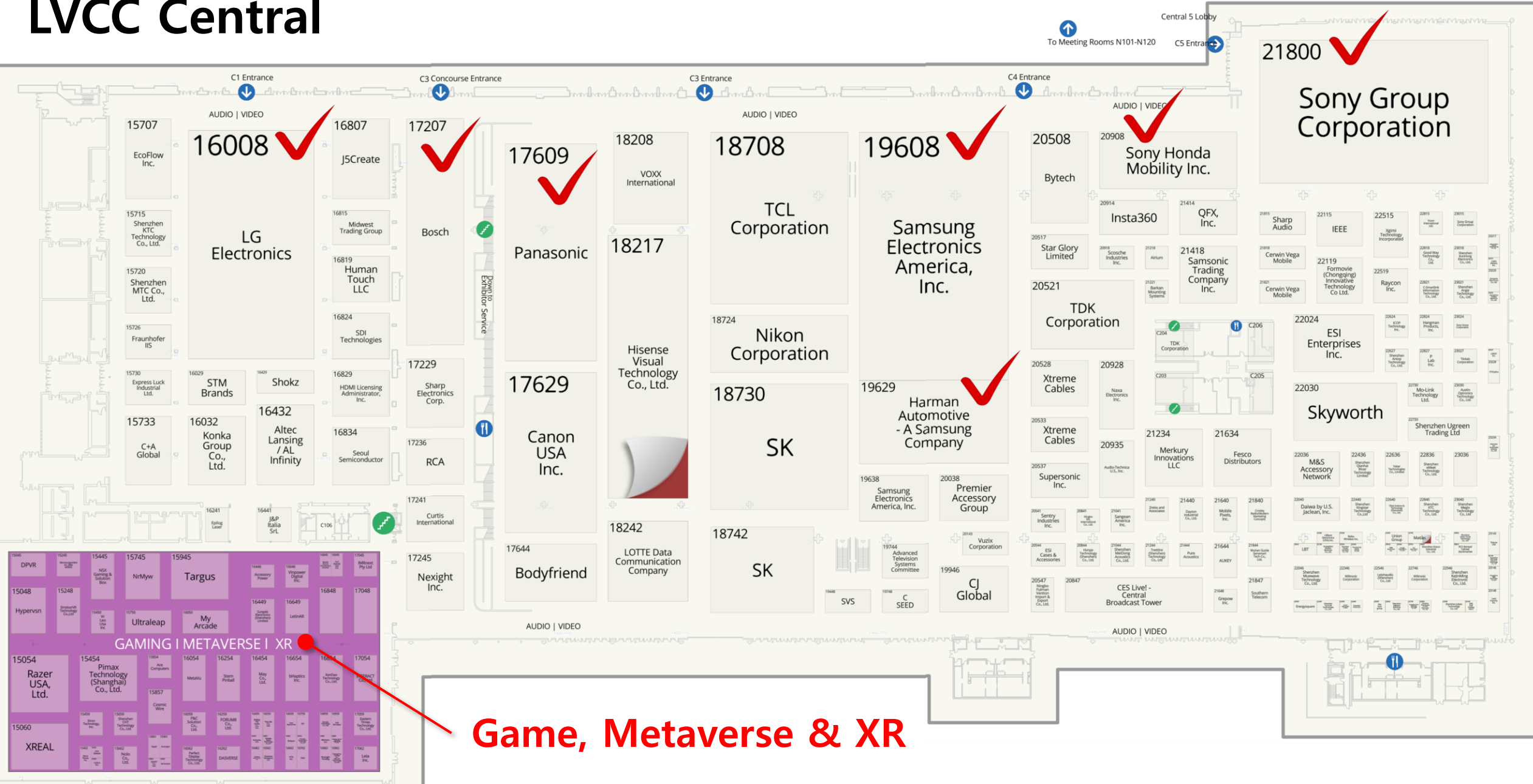
Tech East

LVCC West



Show Services at Tech East	
Accessibility Desk LVCC, North Level 2, N250	Exhibitor Press Conferences LVCC, South Connector, S224 & S225
CES 2025 Exhibit Space Selection LVCC, South Connector, S219	International Business Center LVCC, West Level 2, W225
Conference Sessions LVCC, North Level 2, N250-N262 LVCC, West Level 2, W216-W232	Media Room LVCC, West Level 2, W212
CTA Member Lounge LVCC, North Level 2, N257 LVCC, West Level 2, W226	Show Office LVCC, North Level 2, N254
Customer Service Center	

LVCC Central



Game, Metaverse & XR

LVCC North IoT Infrastructure Enterprise FinTech Digital Health

IoT INFRASTRUCTURE

11077	10977	10978	10877	10777	10677	10577
IoT M2M Council		SMA Com Wireless Solutions Limited	Blue	Quest Global		
11071	11070	10971	10870	10770	10670	10570
FluLive						
11062	10863	10763	10662	10562	10363	
Taoglas	ThunderSoft	1NCE	Telit IoT Solutions Inc.	Airgain Inc.	Quectel Wireless Solutions Co., Ltd.	

SMART CITIES IoT SUSTAINABILITY

10177	9977	9873	9777	9677	
Department of Energy	SoluM America Inc.	Yashiro Technology Inc.	Vaisala	Neonode Inc.	
10271	10171	10071	9971	9771	9671
Smarttech Technologies	Soltech Infonet Inc.	Star Charge Americas Corp.	Socionext America Inc.	GetWiress	Transportation Administration Dept.
10263	10163	10063	9963	9763	9663
Varogee Technology Co., Ltd.	u-blox	Shenzhen Cnisher Technology	Genesis Systems	Canonical Group Limited	Shenzhen Burchengda Electric Technology Co., Ltd.

FINTECH

9577	9477	9377	9277	9177	9077
Technis SA					Enterprise
9468	9368	9268	9168	9068	
9363	9263	9163	9063		
Shinhan Bank	HangZhou NUBIO Technology Co., Ltd.	Shenzhen Finewealth Technology Co., Ltd.	Mic-Power		

DIGITAL HEALTH

8777	8677	8577	8477	8377	8277	8177	8077
Human IT Solution	briab Inc.						
8700	8600	8500	8400	8300	8200	8100	8000
8600	8500	8400	8300	8200	8100	8000	

VEHICLE TECH & ADVANCED MOBILITY

11051	10951	10855	10804	10750	10653	10553	10351
AutoNext Corporation	what3words	Tata Technology, Inc.	Altegr	Element	Etilfos	Verge Motorcycles	
11043	10943	10848	10840	10743	10647	10545	10345
Cipla Vision Ltd.	EyeLights	Keyence	Intertek	Comer	Kyocera Avix	AJIN INDUSTRIAL Co., Ltd.	
10731	10315	10315	10337	10337	10337	10337	10337
Constellium Automotive	Mullen Automotive, Inc.	Mullen Automotive, Inc.					
11022	10714						
LeddarTech	Sumitomo Rubber Industries, Ltd.						

SMART CITIES IoT SUSTAINABILITY

10147	10044	9853	9653	954	
HERE North America, LLC	Siemens Digital Industries Software	EVBox E.V.	Sensata Technologies		
10137	10036	9844	9745	9645	
Yadea Technology Group Co., Ltd	Yazaki Innovations, Inc.	ECM PCB Stator Tech	Orbtec Inc.	BLUETTI	
10015	9827	9627	9613	9613	
Honda Motor Co., Ltd.	Willand (Beijing) Technology Co., LTD.	Skyworks Solutions	3M		
	9815	9613			
	Jackery Inc.				

AI/ROBOTICS

9554	9455	9255	9053	8953	
Industrial Technology Research Institute	Aiper Intelligent, LLC	ENEOS Corporation			
9550	9431	9247	9145	9045	
		Sublue Underwater Ai Co., Ltd.	Light Robotics USA, Inc.	Shenzhen Hangyue Technology Co., Ltd.	
9341	9243	9037	9029	9017	
Wilrobotics	Incheon Free Economic Zone Authority (IFEZ)	Roborock (HK) Limited		Alibaba.com Singapore E-Commerce Private Limited	

DIGITAL HEALTH

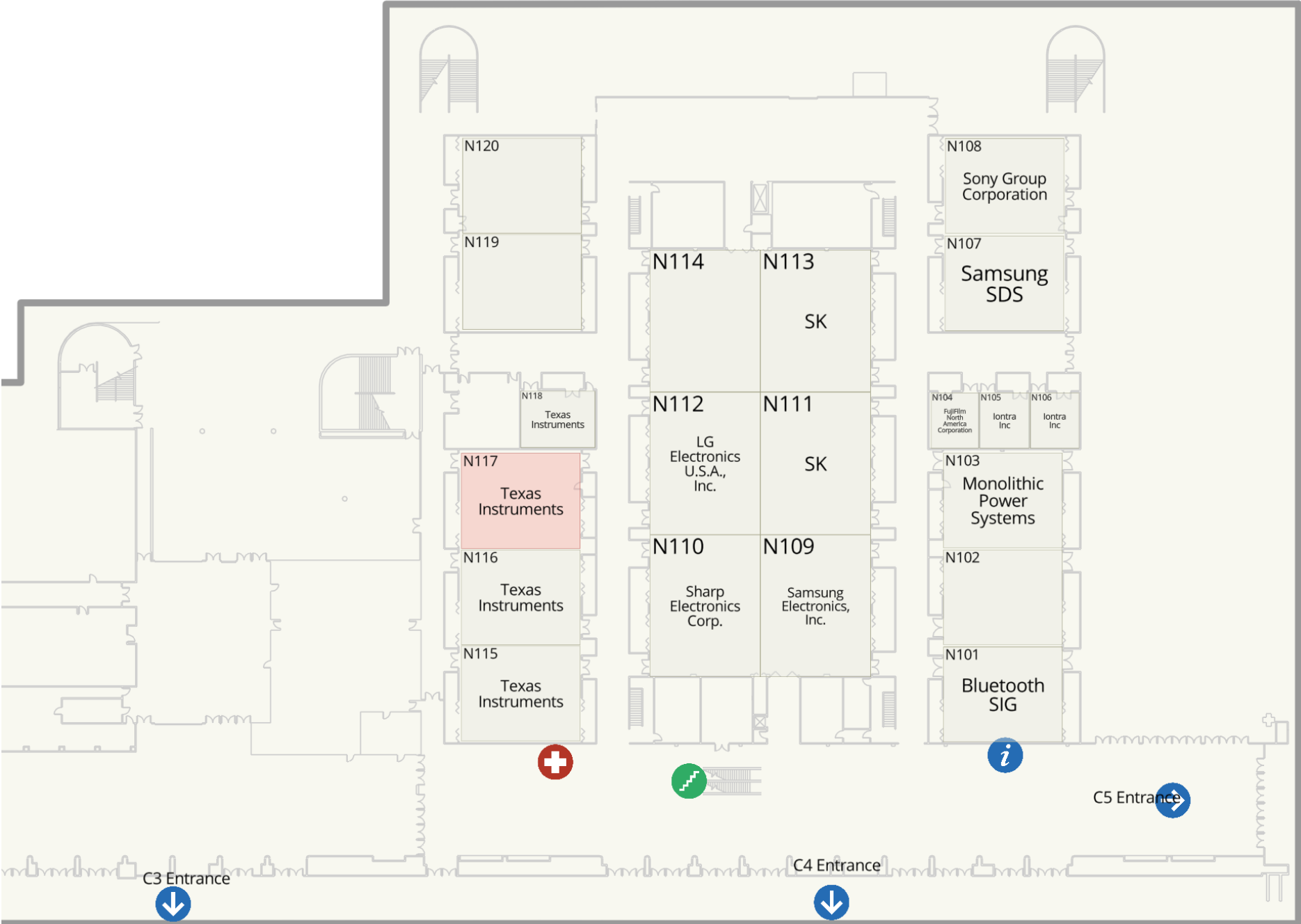
8753	8653	8553	8453	8353	8253	8153	8053
Nuvilab	JOH Health Co. Ltd.	BodyLog	GermPass	Sai Ganga Panacea PVT LTD	InBody	Mitro Co. Ltd.	Svakorn United Sta
8745	8645	8545	8447	8347	8247	8147	8047
Vivoo	Humetrix	Owllet Baby Care Inc.	Myhixel	ActivBody, Inc.	Airthings		
8630	8537	8331	8237	8137	8037		
Withings	Xandar Kardian Inc.	Ybrain Inc.					
8725	8525a	8325a	8225	8125	8025		
Luxottica Group Spa	Resmed	Resmed					
8925	8825b	8625b	8525b	8425	8325	8225	8125
Co-Diagn-ostic, Inc. (CO-Di)	ModernaTX, Inc.	Nuheara	Selleo EPSGN Corporation	greenteg AG	Alworks Global, Inc.		
8917	8517	8317	8216	8116	8016		
Abbott	Keesoon Technology Corporation, Ltd.	ONTACTHEALTH					

Vehicle Tech & Advanced Mobility

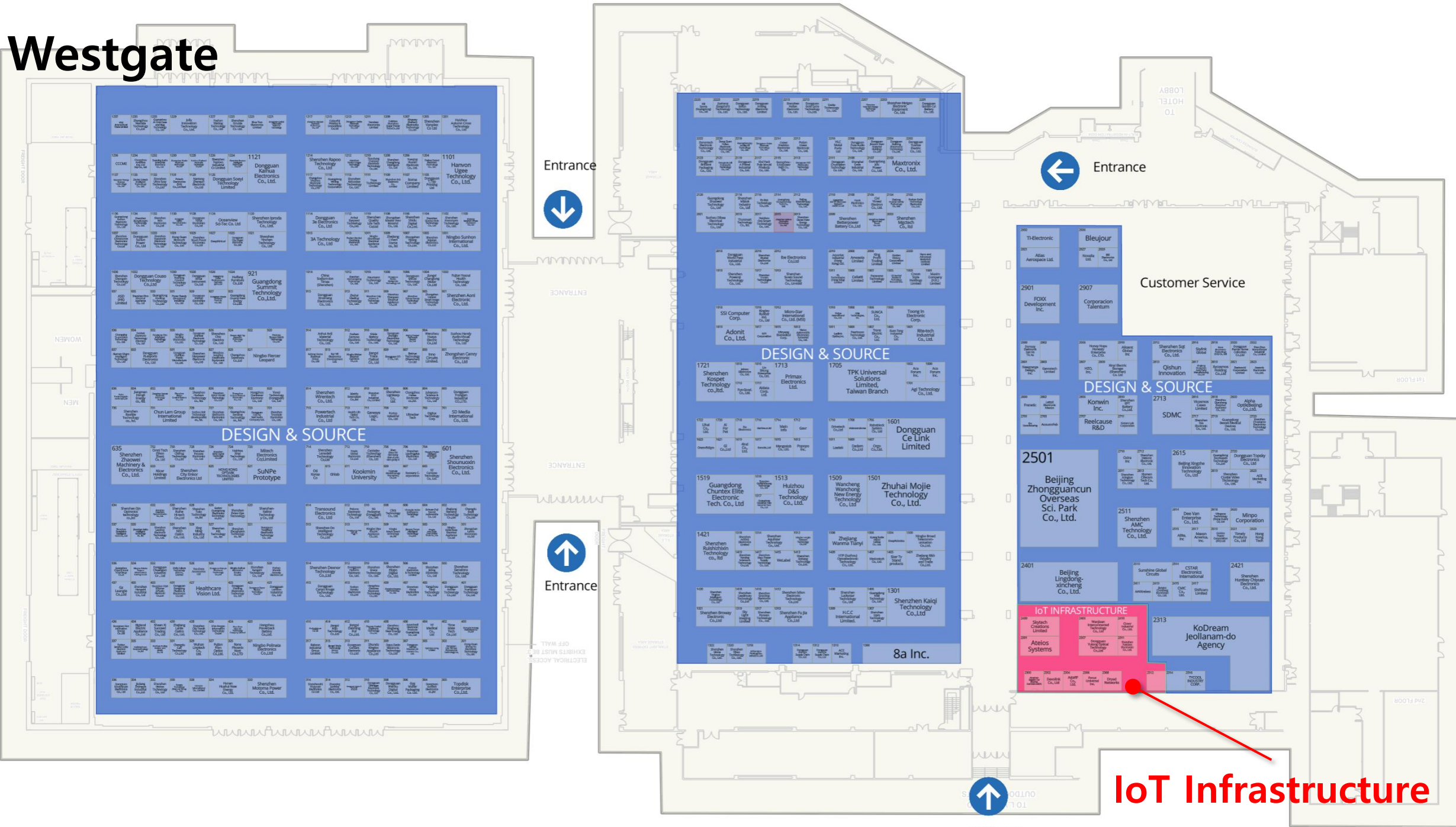
Smart City IoT Sustainability

AI/Robotics

LVCC North



Westgate



DESIGN & SOURCE

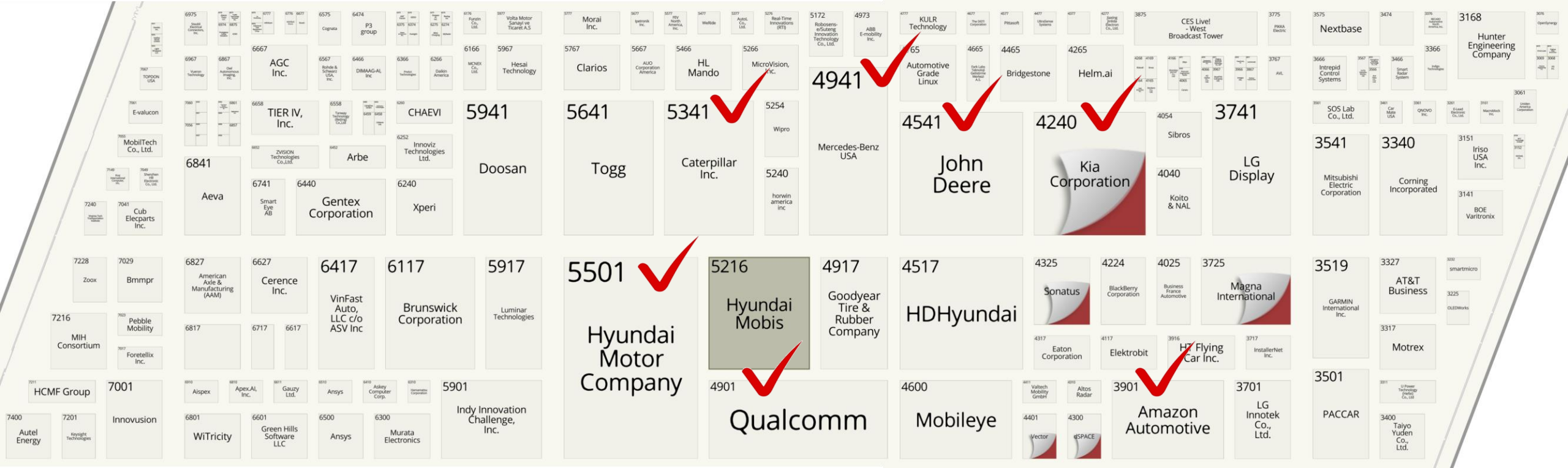
DESIGN & SOURCE

DESIGN & SOURCE

IoT Infrastructure

LVCC West

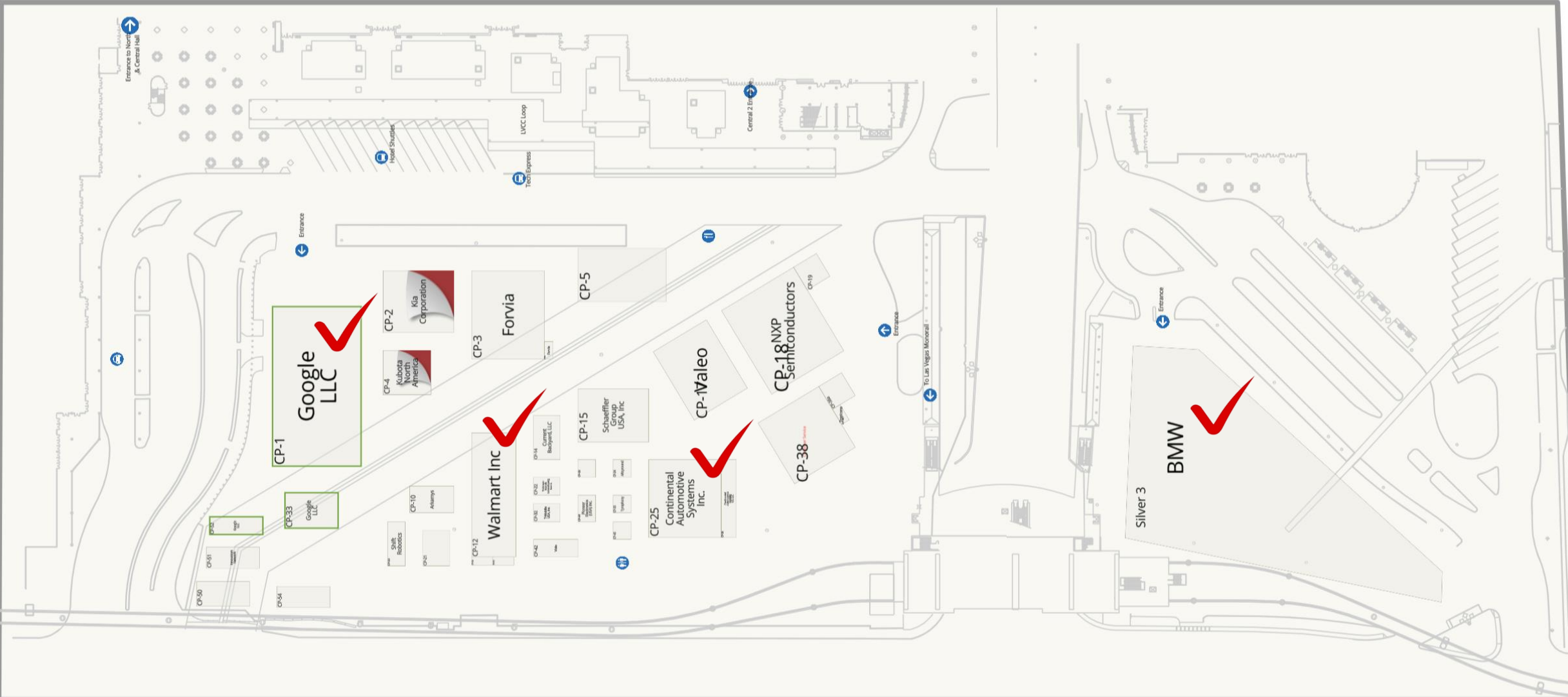
Mobility



LVCC Loop 타는 곳에
Supernal과 Mercedes Benz 전시장



LVCC Central Plaza & Silver 3



Venetian Expo

1층: Eureka Park

2층: Home & Life

29층, 34 & 35층



Venetian Expo 2nd Floor

Accessories

Smart Home

Food Tech

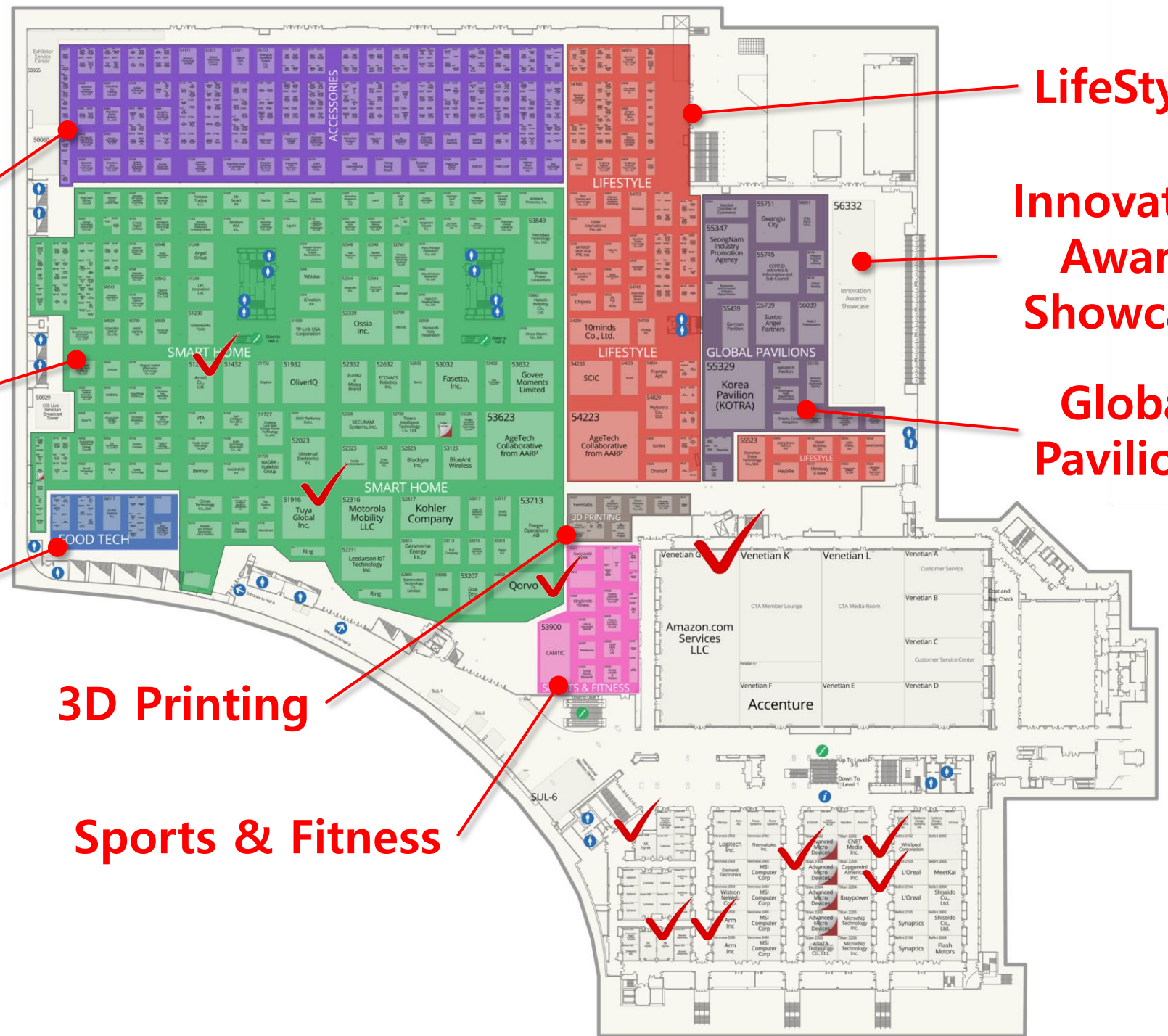
3D Printing

Sports & Fitness

LifeStyle

Innovation
Award
Showcase

Global
Pavilions

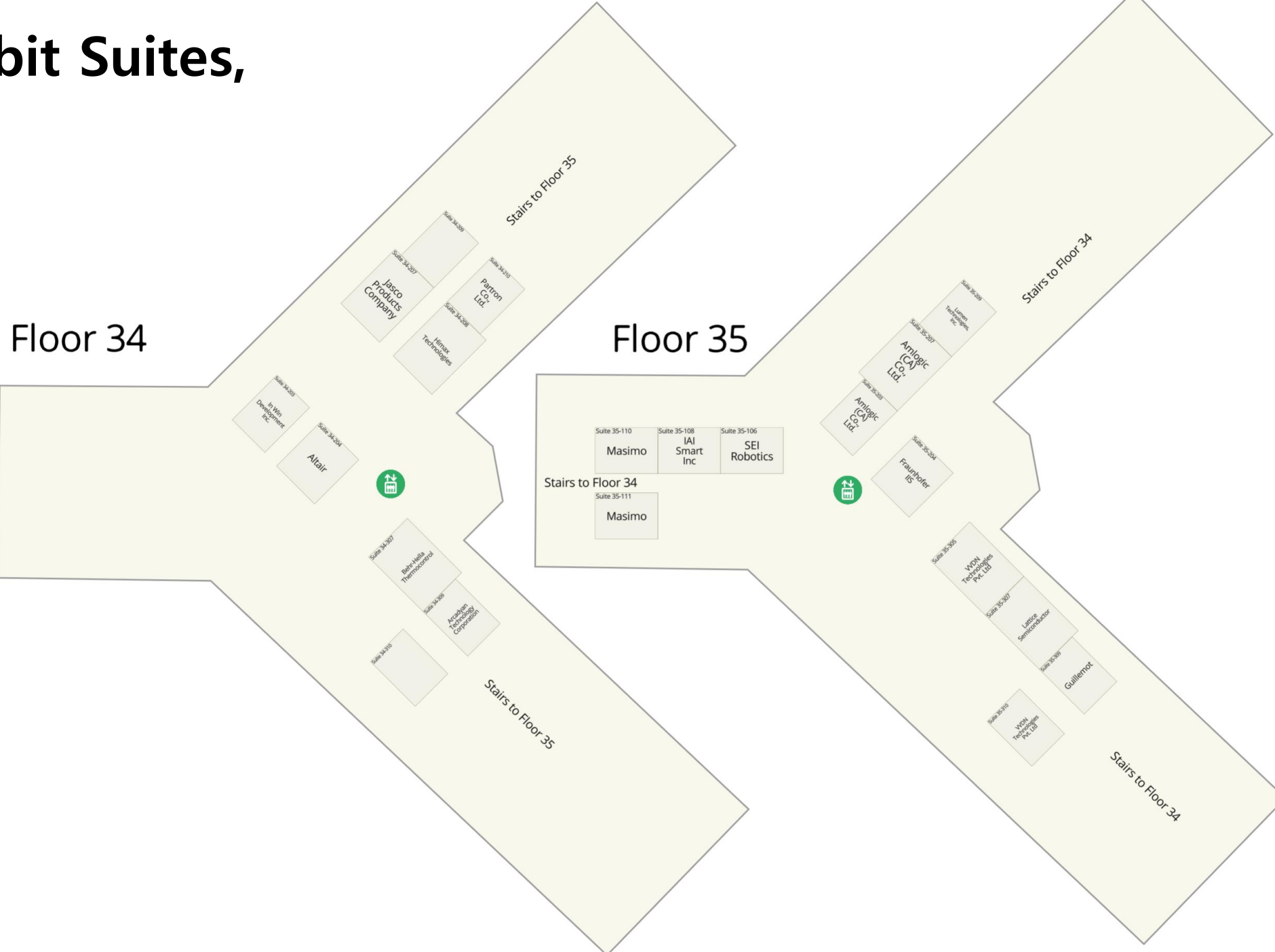


Venetian 1st Floor Eureka Park

Venetian Expo Leve 3 & 4 Meeting Room



Venetian Exhibit Suites, Floor 34 & 35



Badge Pickup

- ◆ ces.tech에 들어가서 Logistics 선택 후 Badge Pickup 메뉴 선택 후 장소 확인
 - 공항에서 픽업해도 되지만, 호텔에 짐 풀고 호텔 근처에서 픽업하세요!
 - 배지 분실 시 재발급에 **300달러** 추가 금액 발생

Monday, January 8, 2024

Harry Reid Airport

Location	Hours
Baggage Claim, Terminal 1	7 AM-Midnight
Baggage Claim, Terminal 3, West (United)	7 AM-Midnight
Baggage Claim, Terminal 3, International	7 AM-Midnight

Hotels

Location	Hours
ARIA (East Convention Space, Level 2 Foyer)	8 AM-6 PM
Bellagio (Registration Desk 1)	8 AM-6 PM
Cosmopolitan (Level 2, Condesa Registration Desk)	8 AM-6 PM
The D Las Vegas (12th Fl. Meeting Space Foyer)	8 AM-6 PM
Encore at Wynn (Outside of the Encore Theater Promenade)	8 AM-6 PM



호텔-전시장-전시장 이동 교통편 - 무료 셔틀 버스

Information for: [EXHIBITORS](#) [MEDIA](#) [INTERNATIONAL](#)



Consumer
Technology
Association

[TOPICS](#)

[ABOUT](#)

[SESSIONS & EVENTS](#)

[EXHIBITS](#)

[LOGISTICS](#)

Transportation

Find out how to get around the show and the city of Las Vegas during CES 2024

[View CES 2024 Transportation Flyer \(PDF\)](#)

Complimentary Hotel Shuttle Service

Complimentary shuttle service will be provided at select official CES hotels to help attendees get around the city. [View the full shuttle schedule below](#), or view the information in our [CES 2024 Transportation Guide](#).

ADA accessible transportation is available during regularly scheduled shuttle service.

[REGISTER NOW](#) →

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[On-Site Services](#)

[Safety & Security](#)




[CES App](#)

호텔-전시장-전시장 이동 교통편 - 무료 셔틀 버스

	HOTEL	BOARDING LOCATION
1	Encore at Wynn Wynn	At Wynn, South Gate Bus Area (Service to LVCC only) South Gate Bus Area (Service to LVCC only)
2	Mirage Treasure Island	Tour Bus Area (Service to LVCC only) Tour Bus Area (Service to LVCC only)
3	MGM Grand  New York New York Signature at MGM	Grand Garden Entrance Valet Entrance At MGM Grand, Grand Garden Entrance
4	Delano Mandalay Bay Tropicana	At Mandalay Bay, Shark Reef Entrance Shark Reef Entrance North Entrance
5	Circa The D Las Vegas The Plaza	NE Corner of Carson Ave. & 3rd St. NE Corner of Carson Ave. & 3rd St. NE Corner of Carson Ave. & 3rd St.
7	Bellagio Cosmopolitan	Tour Bus Area Tour Bus Area
8	ARIA Park MGM Vdara at City Center	Tour Bus Area At ARIA, Tour Bus Area At ARIA, Tour Bus Area

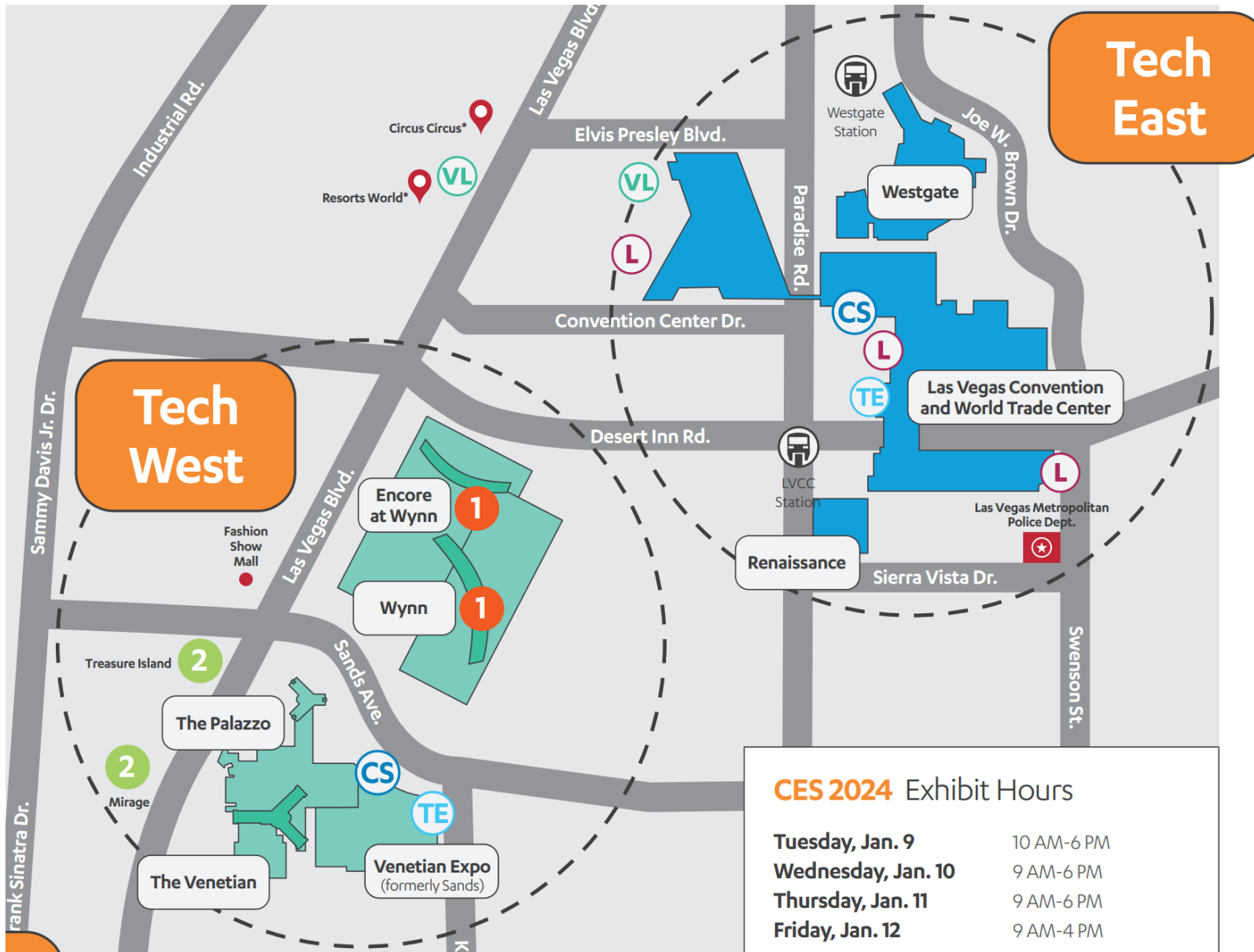
9	Excalibur Luxor	Tour Bus Area/Rotunda Entrance At Excalibur, Tour Bus Area/Rotunda Entrance
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WALKING DISTANCE

Renaissance 	Walking distance to the LVCC
Resorts World 	Walking distance to the LVCC
Venetian/Palazzo	Tech Express on property
Westgate 	Walking distance to the LVCC



호텔-전시장-전시장 이동 교통편 - 무료 셔틀 버스



Key

- C Space Shuttle/Route 8
- Hotel
- Las Vegas Monorail
- LVCC Loop
- Tech Express/Route 10
- Vegas Loop

Explore CES exhibit venues at [CES.tech](https://ces.tech).
As of Oct 17, 2023. Locations subject to change. Map not to scale.

CES 2024 Exhibit Hours

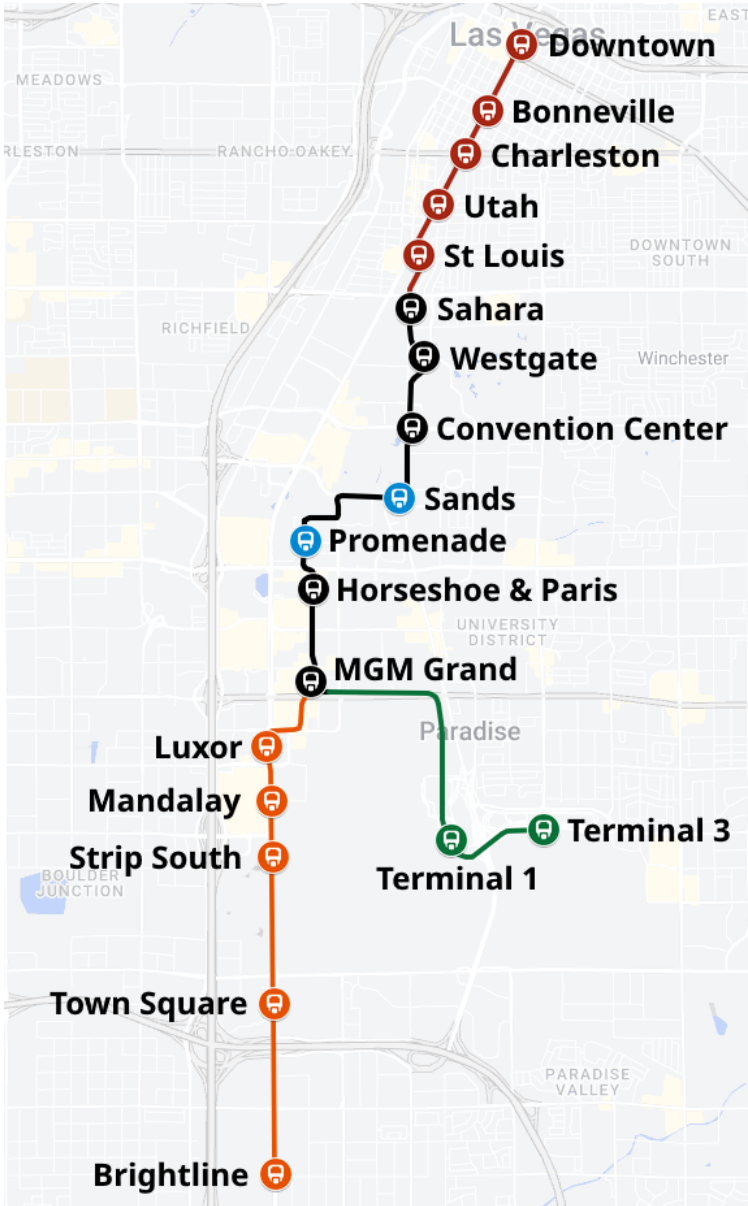
Tuesday, Jan. 9	10 AM-6 PM
Wednesday, Jan. 10	9 AM-6 PM
Thursday, Jan. 11	9 AM-6 PM
Friday, Jan. 12	9 AM-4 PM

호텔-전시장-전시장 이동 교통편

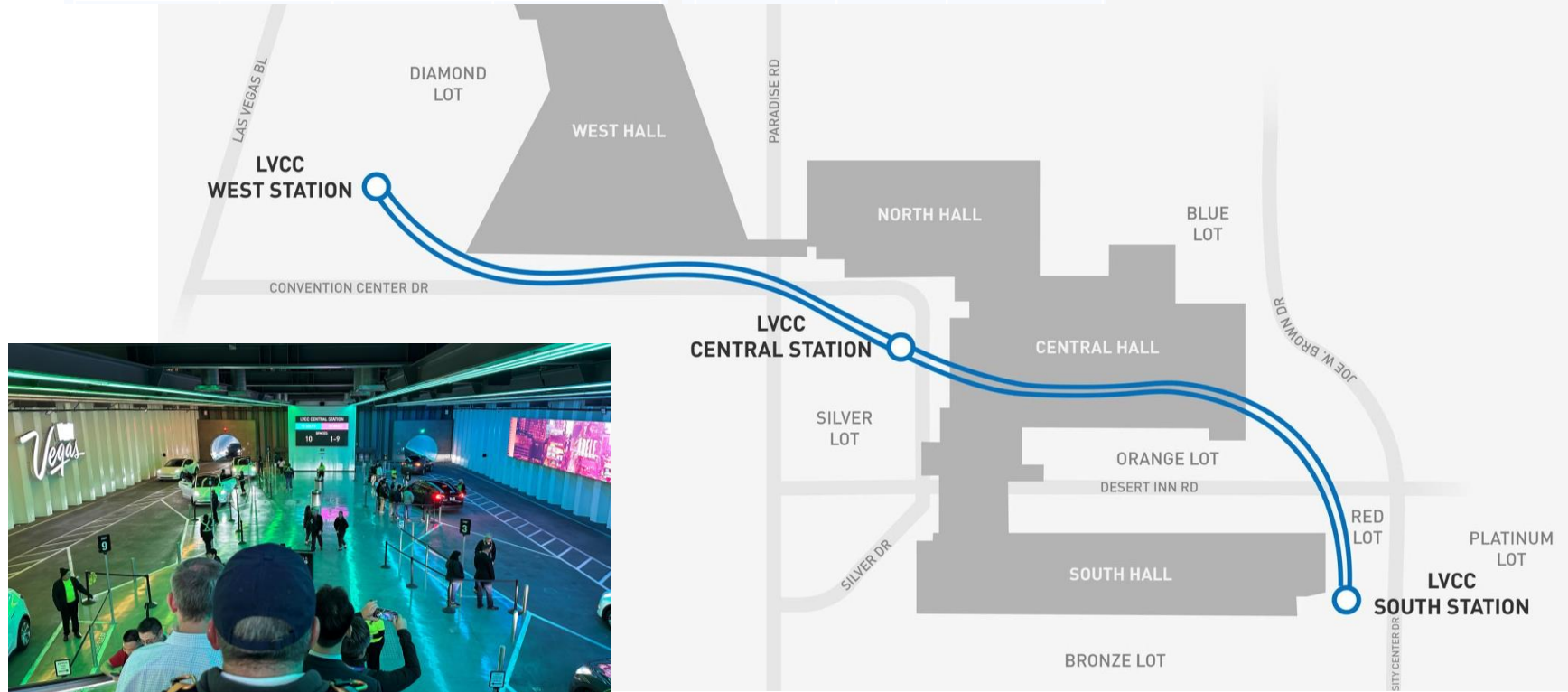


Las Vegas (Reid) 공항
제3터미널(T3)에 있는
Lyft/Uber Pickup Zone

Monorail & LVCC Loop



Ticket	Full Fare	eTicket	Purchase	2 DAY PASS UNLIMITED	\$26	\$23.75	5 DAY PASS UNLIMITED	\$47	\$44.50
ONE-RIDE ONE-RIDE	\$6	\$5.50	BUY	3 DAY PASS UNLIMITED	\$32	\$29.95	7 DAY PASS UNLIMITED	\$62	\$57.50
1 DAY PASS UNLIMITED	\$15	\$13.45	BUY	4 DAY PASS UNLIMITED	\$39	\$37			



점심 및 식사, 팁

- ◆ 전시장에도 카페테리아, 푸드 트럭 등이 있지만, 미리 준비해 가볍게 해결할 것
 - 햄버거 세트가 15~20불 정도 + 대기 시간 2~30분 + 빈 테이블 찾는 시간
 - 에너지바, 음료를 챙겨서 1~2시간마다 조금씩 취식하면서 휴식 → 저녁에 맛있는 식사
 - 조식이 제공되지 않는 호텔 투숙 시, 접이식 커피포트/라면포트
 - 레스토랑에서 팁은 20% 내외로 (팁이 계산에 선 반영된 경우도 있음)



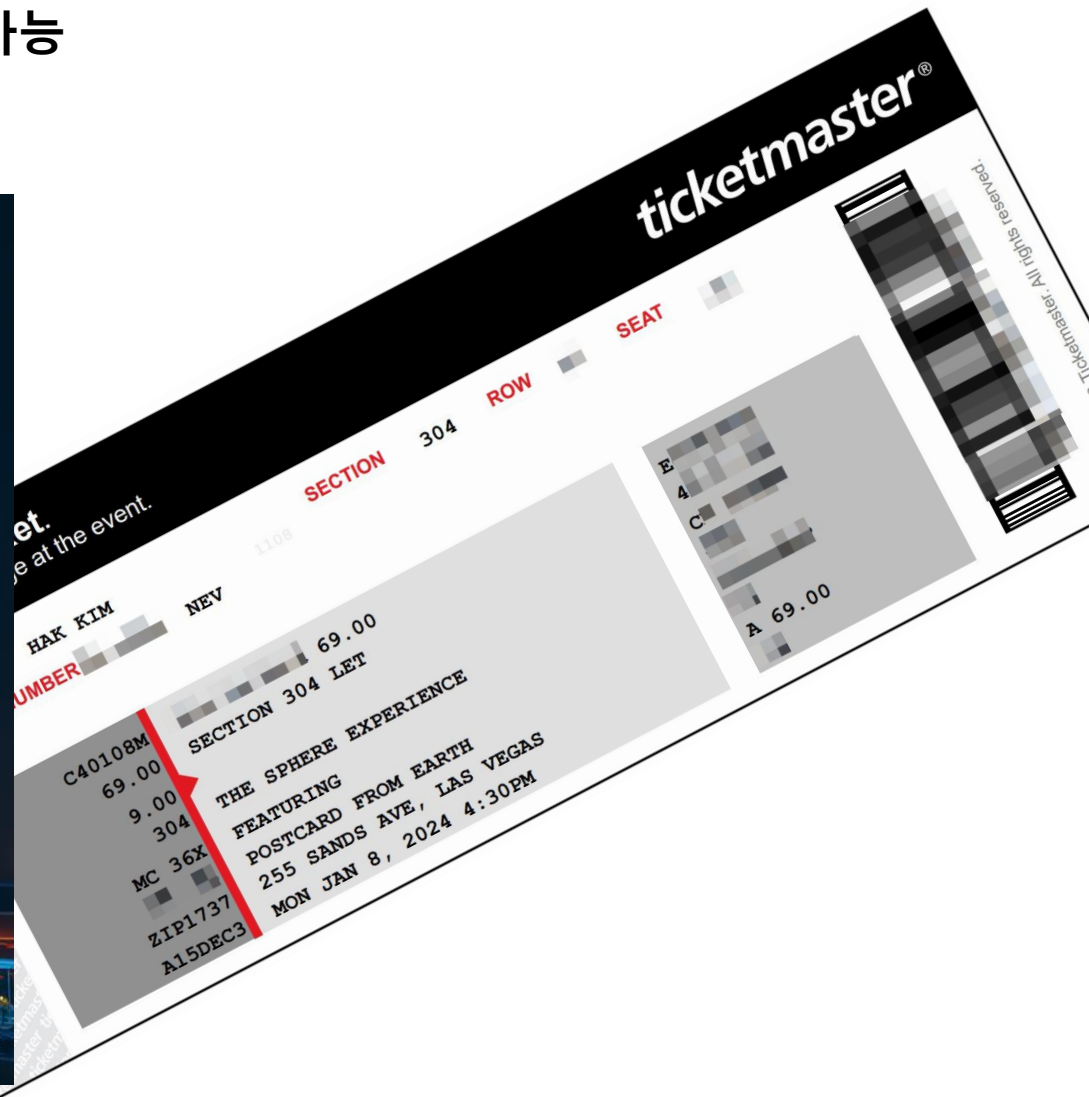
기타 준비물

- ◆ 편하고 가벼운 복장 및 신발 : 온도는 최저 영상 1도 ~ 최고 영상 13도 사이
- ◆ 보조배터리, (셀카봉), 명함 충분히 : 사진 찍고 녹화하다 보면 오전 중에罄
- ◆ 물, 간단한 음식 : 전날 저녁 혹은 아침에 근처 편의점에서 미리 구입
- ◆ 이들을 넣을 가벼운 가방 : 태블릿 등 무거운 거는 절대 넣지 마세요!!
- ◆ 호텔에서 사용할 전원 아답타, 충전 케이블, 멀티탭 등



공연 관람

- ◆ Ticketmaster나 vividseats 등에서 원하는 공연 예매 및 관람
 - 개별 호텔에서 하는 작은 공연들 포함 현장 예매도 가능



출국은 여유 있게

- ◆ 대부분이 12~13일 떠나므로 공항이 매우 혼잡하고 수속에 3시간 정도 걸림
 - 미국 국내선을 타더라도 상황은 마찬가지로 3-4시간 이전에 공항에 도착하도록 할 것





Thank You!!

For more information, please visit

- 사물인터넷 카페 : <http://cafe.naver.com/iotioe>
- 김학용 블로그 : <http://blog.naver.com/honest72>
- <https://www.facebook.com/hakyong.kim.12139>

or contact me

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