



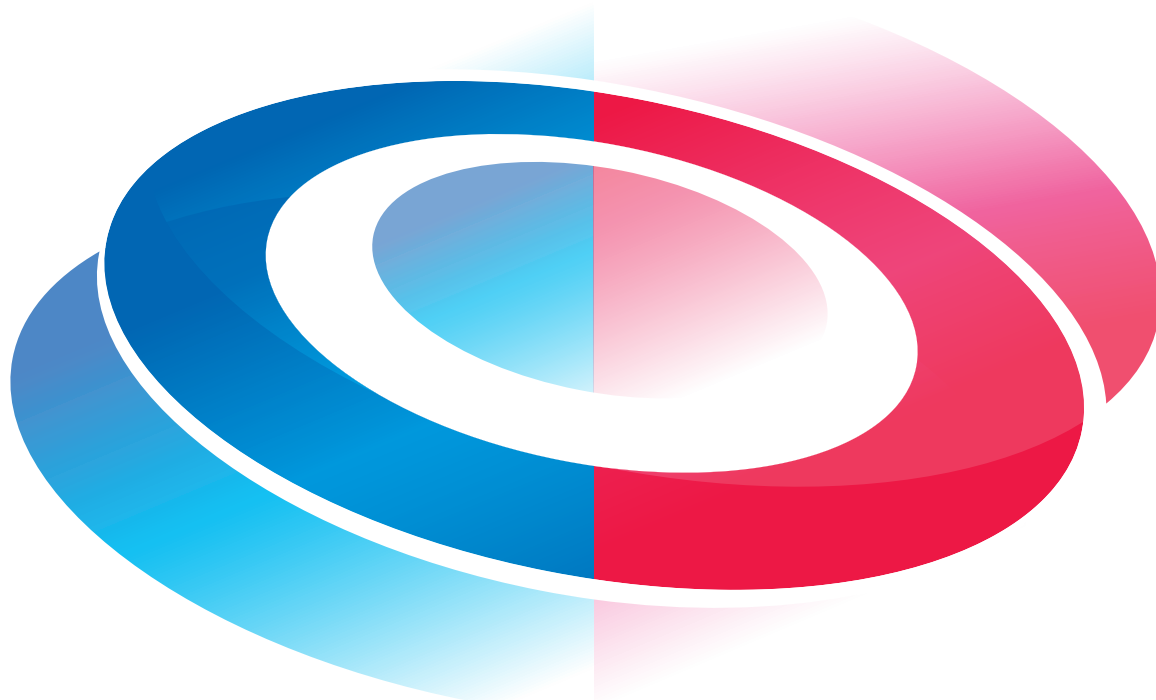
人とくるまのテクノロジー展 2024 ONLINE

Automotive Engineering Exposition 2024 ONLINE

# RESULT REPORT

# Co-Create!

未来をともに創りだそう



**ONLINE STAGE 1**

**5/15<sup>WED</sup> - 6/5<sup>WED</sup>**

**ONLINE STAGE 2**

**7/10<sup>WED</sup> - 7/31<sup>WED</sup>**

## Introduction

This year, we held the fourth online event, called the Automotive Engineering Exposition 2024 ONLINE, which was divided into STAGE 1 (Wednesday, May 15 to Wednesday, June 5) and STAGE 2 (Wednesday, July 10 to Wednesday, July 31).

This year, the online exhibition was opened one week prior to the in-person exhibition and was also used as a pre-exhibition survey before the exhibition.

Thanks to the large number of exhibitors and visitors, the online exposition proved to be a success, with 89,761 registered visitors and 126,793 site visit in STAGE 1, and 34,861 registered visitors and 45,008 site visits in STAGE 2.

This report describes the results of the exposition based on the answers to questionnaires by visitors and exhibitors.

These results will be used to make subsequent expositions even more successful.

Thank you for supporting the automotive engineering exposition, and we look forward to your continued support in the future.

# CONTENTS

## ■ AUTOMOTIVE ENGINEERING EXPOSITION 2024 ONLINE STAGE 1

SUMMARY REPORT .....	2
VISITOR DATA .....	3
VISITOR REPORT .....	6

## ■ AUTOMOTIVE ENGINEERING EXPOSITION 2024 ONLINE STAGE 2

SUMMARY REPORT .....	10
VISITOR DATA .....	11
VISITOR REPORT .....	14

## ■ AUTOMOTIVE ENGINEERING EXPOSITION 2024 ONLINE STAGE1 & 2

IMPRESSIVE EXHIBITS .....	18
EXPECTED THEMES / PRODUCTS .....	19
EXHIBITORS REPORT .....	20
ACCESS RANKING .....	23
EXHIBITORS LIST .....	25
EVENTS .....	34
ABOUT AUTOMOTIVE ENGINEERING EXPOSITIONS 2025 .....	40

Exhibition Name	AUTOMOTIVE ENGINEERING EXPOSITION 2024 ONLINE STAGE 1
Dates	Wednesday, May 15, through Wednesday, June 5, 2024
Venue	Online Exposition Website
Organizer	Society of Automotive Engineers of Japan, Inc. (JSAE)
Supported by	Automobile Business Association of Japan / Flat Glass Manufacturers Association of Japan / Information Processing Society of Japan / Japan Aluminium Association / Japan Auto-Body Industries Association Inc. / Japan Auto Parts Industries Association / Japan Automobile Manufacturers Association, Inc. / Japan Automobile Research Institute / Japan Automobile Transport Technology Association / Japan Automotive Machinery and Tool Manufacturers Association / Japan Automotive Service Equipment Association / Japan Automotive Software Platform and Architecture / Japan Internal Combustion Engine Federation / Japan Lubricating Oil Societies / Petroleum Association of Japan / The Institute of Electrical Engineers of Japan / The Iron and Steel Institute of Japan / The Japan Automobile Tyre Manufacturers Association, Inc. / The Japan Federation of Engineering Societies / The Japan Institute of Light Metals / The Japan Magnesium Association / The Japan Petroleum Institute / The Japanese Society for Artificial Intelligence / The Japan Society of Mechanical Engineers / The Society of Instrument and Control Engineers / The Society of Materials Science, Japan
Attendees	Attendees consist of engineers, researchers, from the automobile, electronic, test & measurement equipment, information & software, logistics & transportation industries as well as educational & research institutes.
Language	Japanese / English

ONLINE STAGE 1

2024  
5.15 WED - 6.5 WED



Number of Exhibitors

601

513 (2023)



Registrations

89,761

81,382 (2023)



Visitors Count

126,793

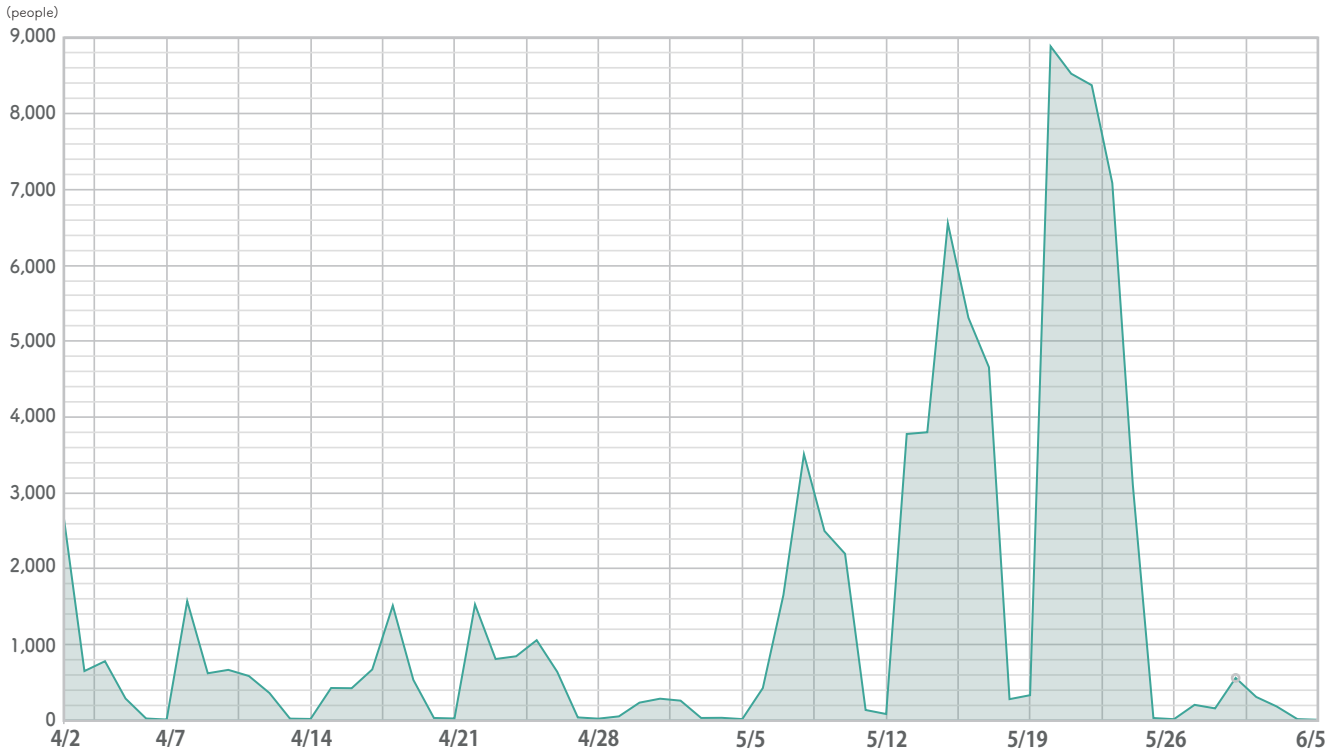
123,566 (2023)

\*The number of visitors refers to the number of times registered participants accessed the online exposition website. (One visit was defined as one access per day. If a registered participants accessed the website multiple times per day, this was counted as one visit.)

Number of Exposition Registrations

Total number of registered ONLINE STAGE 1 participants

**89,761**

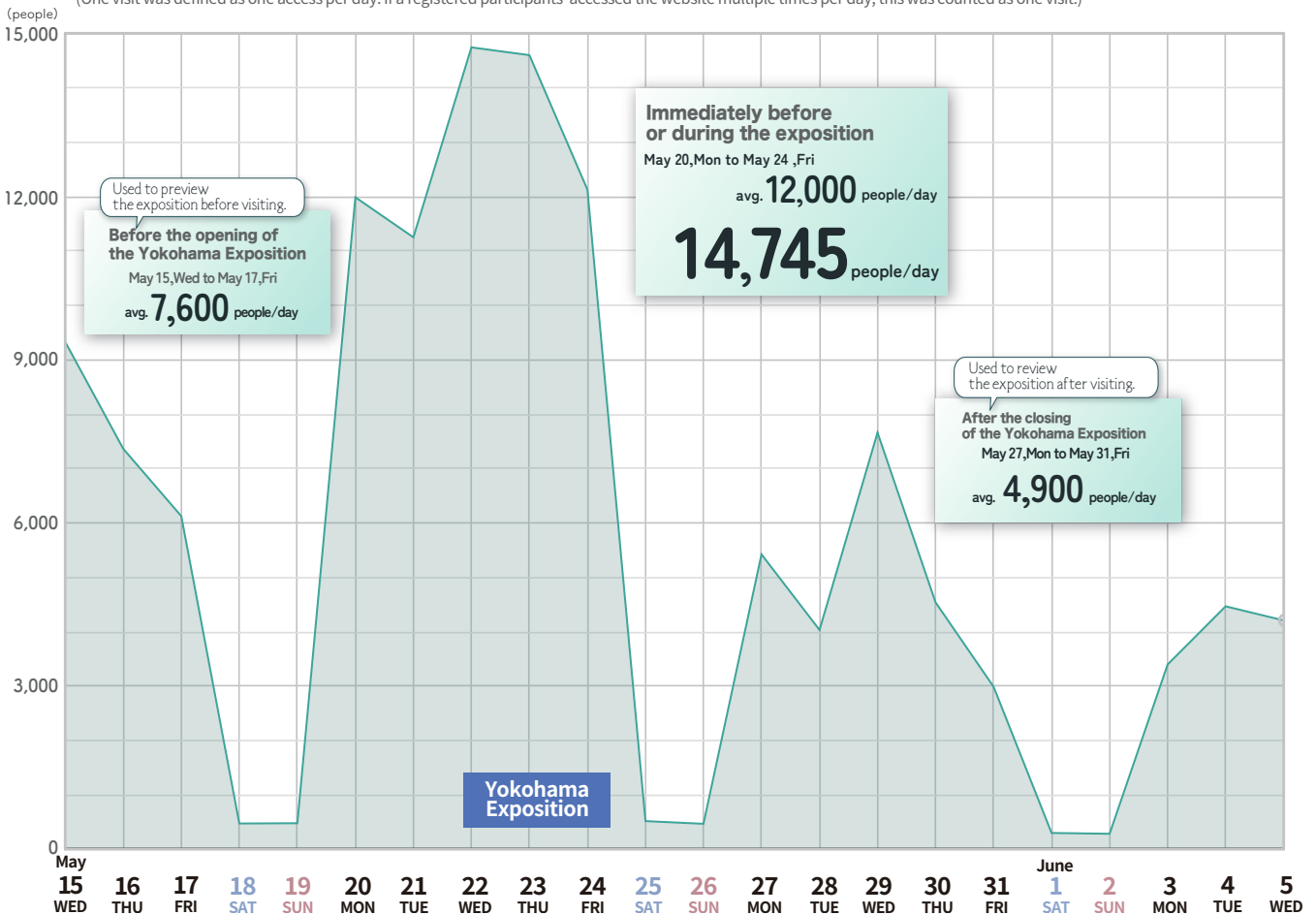


Number of Visitors

Number of times online exposition accessed by registered participants

**126,793**

\*The number of visitors refers to the number of times registered participants accessed the online exposition website.  
(One visit was defined as one access per day. If a registered participants accessed the website multiple times per day, this was counted as one visit.)



Used to preview the exposition before visiting.

**Before the opening of the Yokohama Exposition**  
May 15, Wed to May 17, Fri  
avg. **7,600** people/day



**Immediately before or during the exposition**  
May 20, Mon to May 24, Fri  
avg. **12,000** people/day  
**14,745** people/day

Used to review the exposition after visiting.

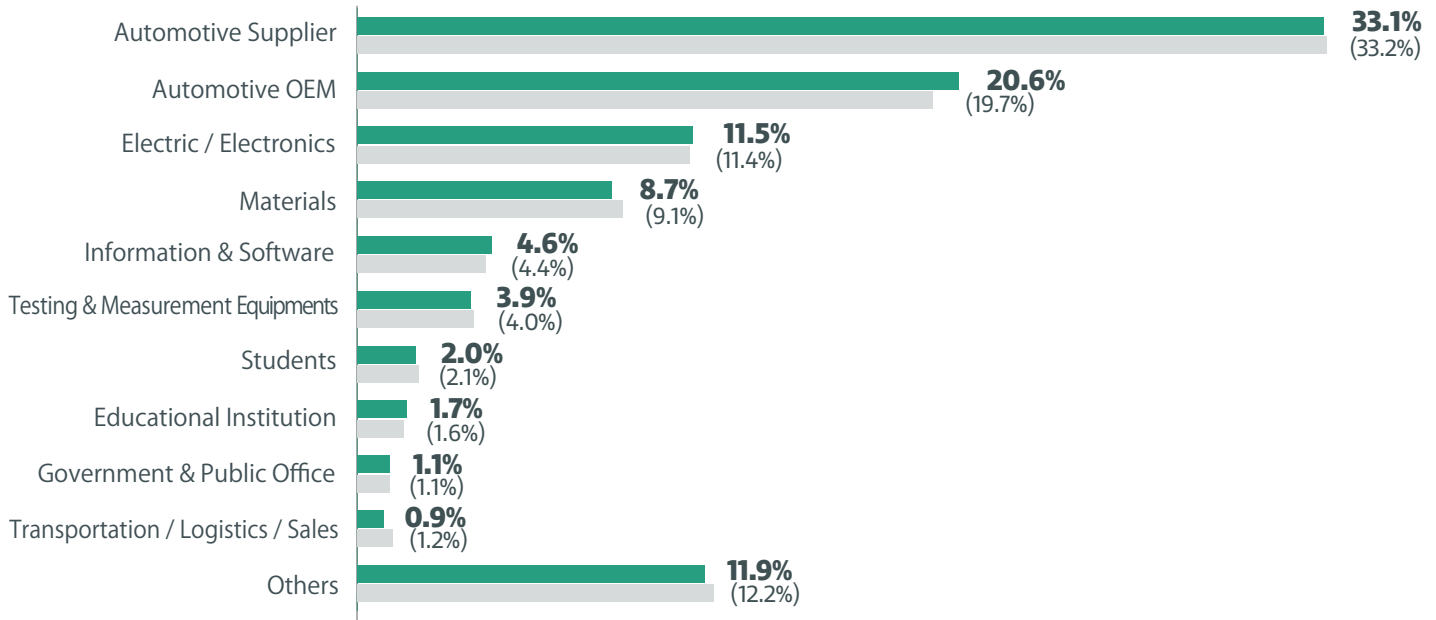
**After the closing of the Yokohama Exposition**  
May 27, Mon to May 31, Fri  
avg. **4,900** people/day

**Yokohama Exposition**

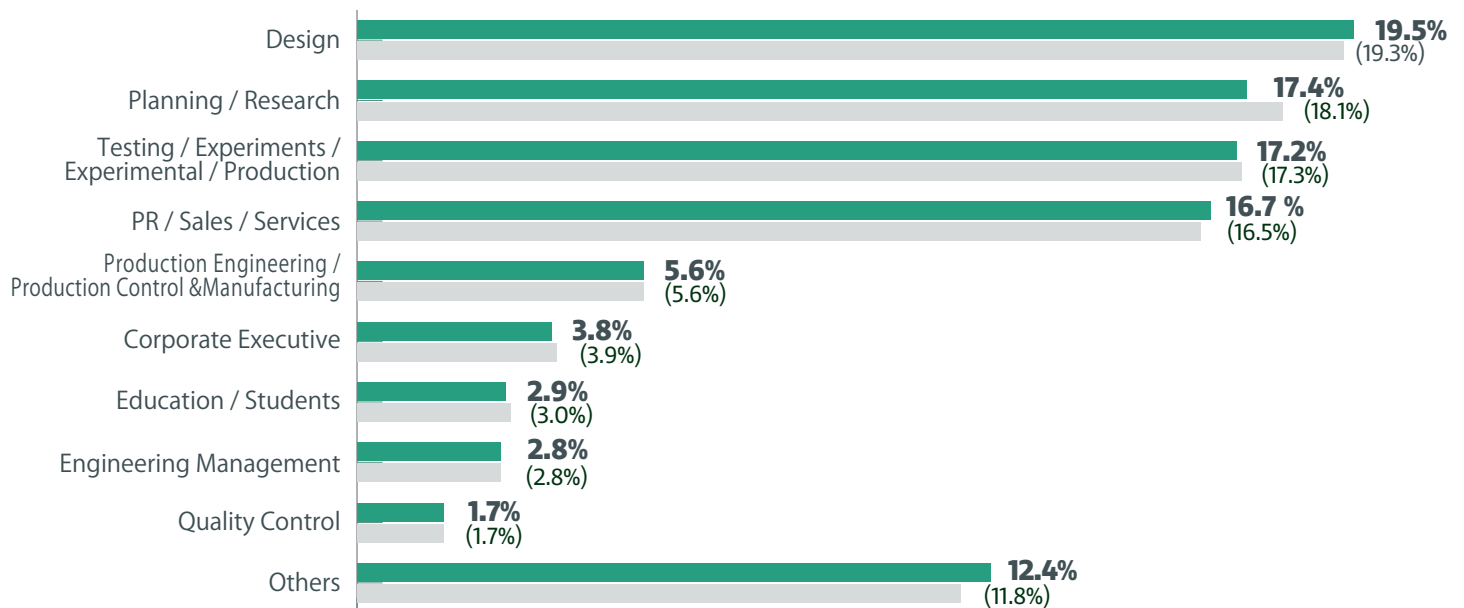


 2024  
 2023  
\*( ) figures for 2023

## Business Category

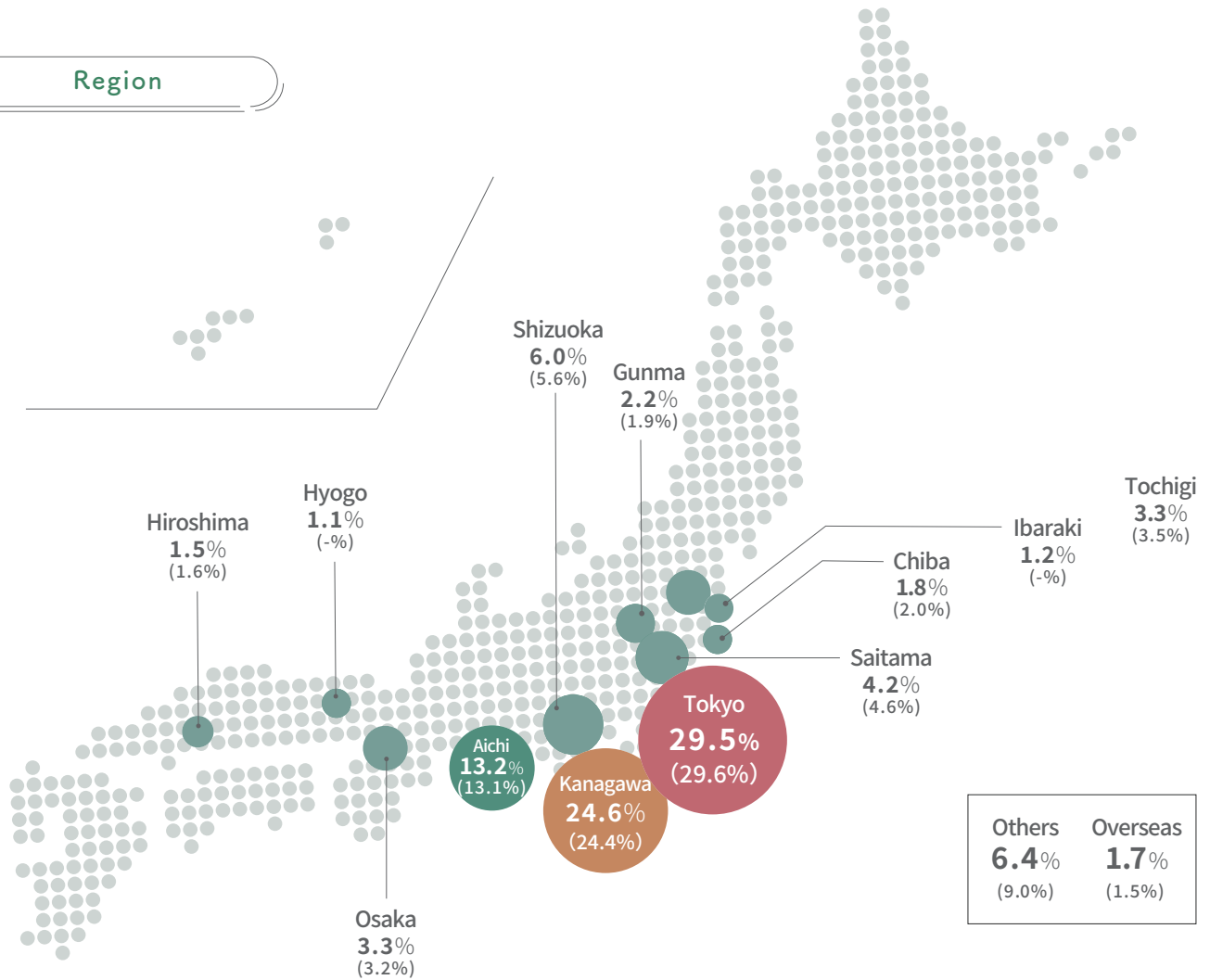


## Job Category

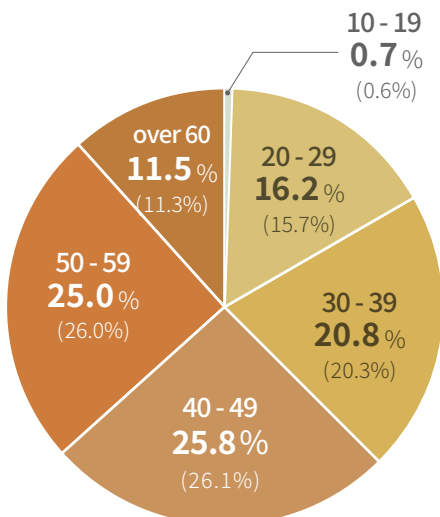


\*( ) figures for 2023

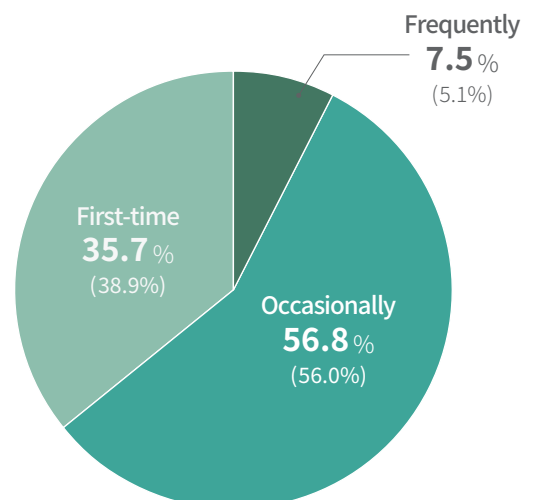
## Region



## Age



## Frequency of Visits



# VISITORS' VOICE

## QUESTIONNAIRE RESULTS

1,090 people answered the survey.

# ONLINE STAGE 1



## VISITORS' VOICE

This year, I checked the exhibition contents online in advance and then visited the in-person exhibition to gather information. It was helpful to know the exhibition contents through the digital venue map and to check each exhibitor's page in advance. I could plan which booths to focus on beforehand and review the information again when creating the inspection report, making the report more comprehensive.





The visit list and visit memo input functions were helpful in creating the business trip report. After talking with the booth representatives on-site, I entered the information into the visit memo and used the memo copy function to directly utilize it for the report. I look forward to further enhancements of the on-site memo input function.

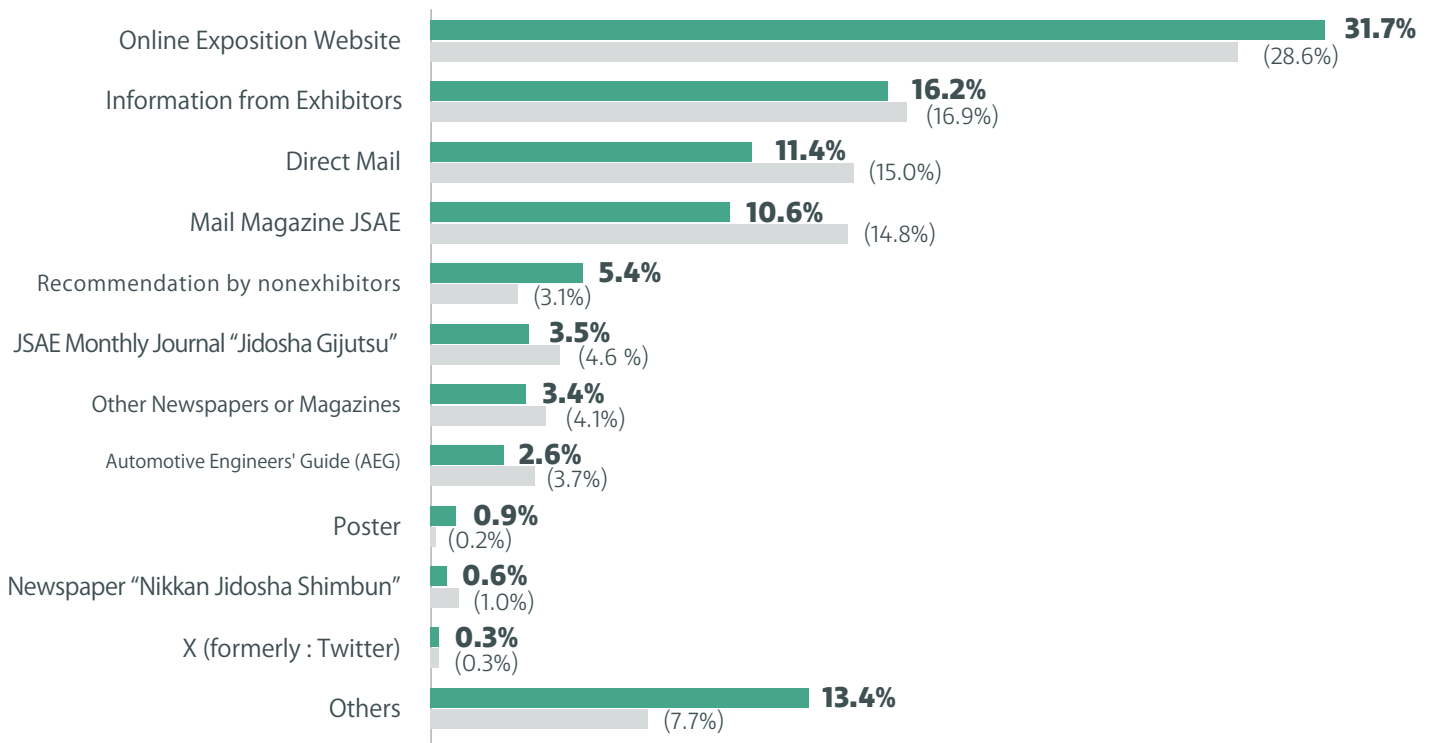




Even though I couldn't get approval for a business trip and couldn't attend the in-person exhibition, I was able to confirm and investigate satisfactory content through the online exhibition. Due to work circumstances, it is difficult to travel to distant locations, so the implementation of the online exhibition is very helpful. I hope the information provided by all companies will be further enriched.



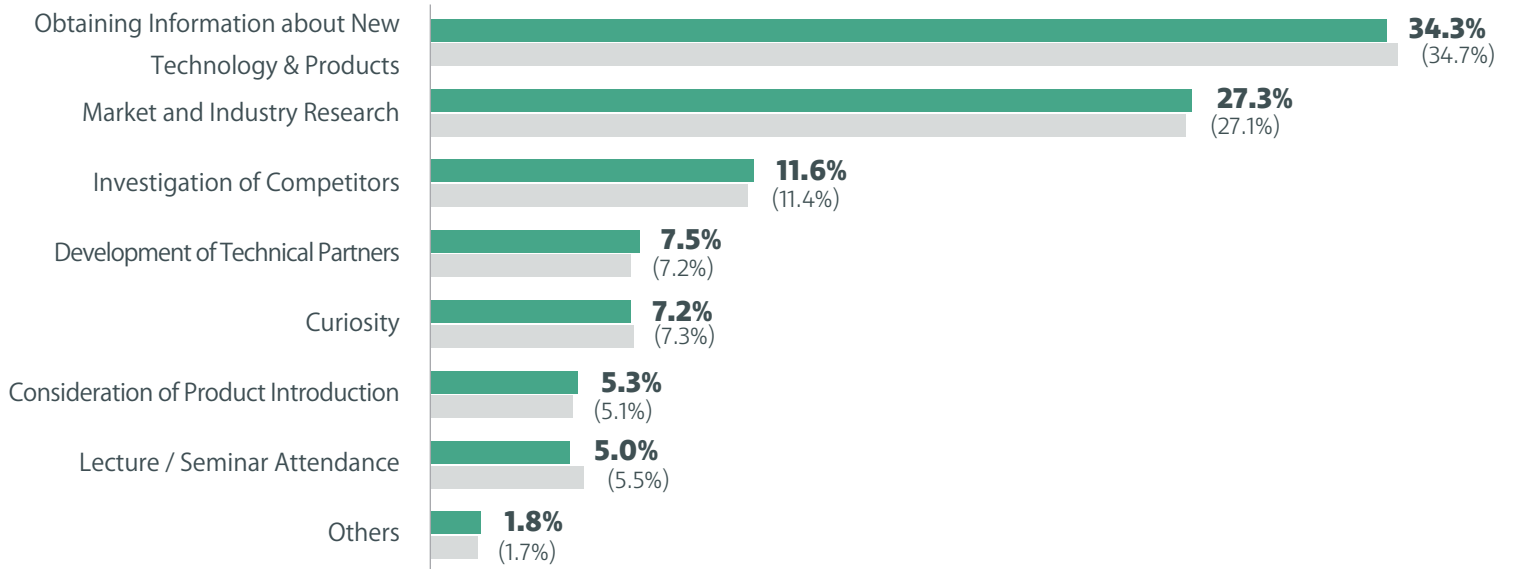
## How Visitors Knew about the Exposition

 2024  
 2023  
\*( ) figures for 2023

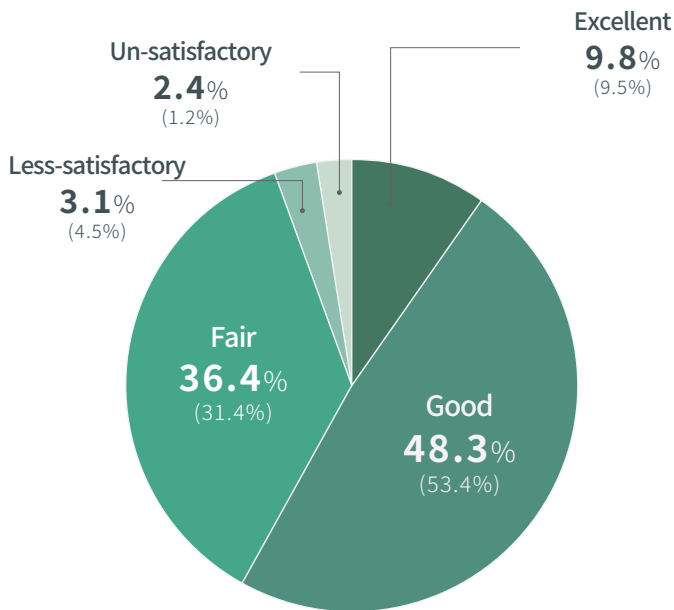


 2024  
 2023  
\*( ) figures for 2023

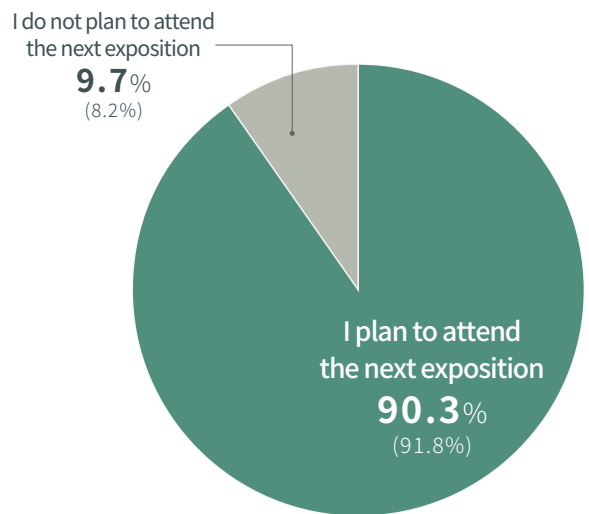
## Purpose of Visit





## Satisfaction with Visit

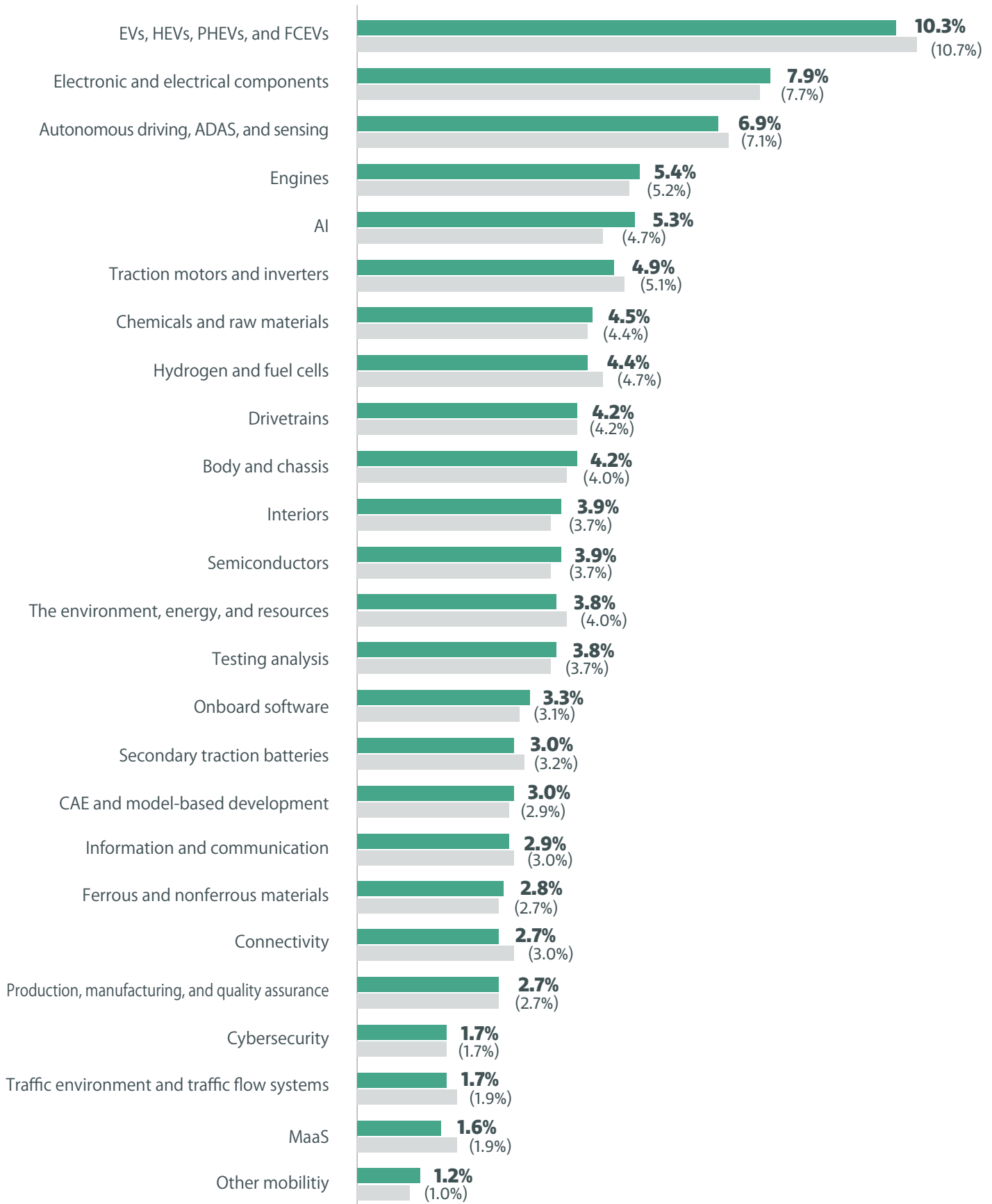


## Likelihood of attending the next exposition



 2024  
 2023  
\*( ) figures for 2023


## Exhibition Categories of Interest



Exhibition Name	AUTOMOTIVE ENGINEERING EXPOSITION 2024 ONLINE STAGE 2
Dates	Wednesday, July 10, through Wednesday, July 31, 2024
Venue	Online Exposition Website
Organizer	Society of Automotive Engineers of Japan, Inc. (JSAE)
Supported by	Automobile Business Association of Japan / Flat Glass Manufacturers Association of Japan / Information Processing Society of Japan / Japan Aluminium Association / Japan Auto-Body Industries Association Inc. / Japan Auto Parts Industries Association / Japan Automobile Manufacturers Association, Inc. / Japan Automobile Research Institute / Japan Automobile Transport Technology Association / Japan Automotive Machinery and Tool Manufacturers Association / Japan Automotive Service Equipment Association / Japan Automotive Software Platform and Architecture / Japan Internal Combustion Engine Federation / Japan Lubricating Oil Societies / Petroleum Association of Japan / The Institute of Electrical Engineers of Japan / The Iron and Steel Institute of Japan / The Japan Automobile Tyre Manufacturers Association, Inc. / The Japan Federation of Engineering Societies / The Japan Institute of Light Metals / The Japan Magnesium Association / The Japan Petroleum Institute / The Japanese Society for Artificial Intelligence / The Japan Society of Mechanical Engineers / The Society of Instrument and Control Engineers / The Society of Materials Science, Japan
Attendees	Attendees consist of engineers, researchers, from the automobile, electronic, test & measurement equipment, information & software, logistics & transportation industries as well as educational & research institutes.
Language	Japanese / English

## ONLINE STAGE 2


2024 **7.10<sub>WED</sub> - 7.31<sub>WED</sub>**



**Number of Exhibitors**

405


327 (2023)



**Registrations**

34,861

29,808 (2023)



**Visitors Count**

45,008

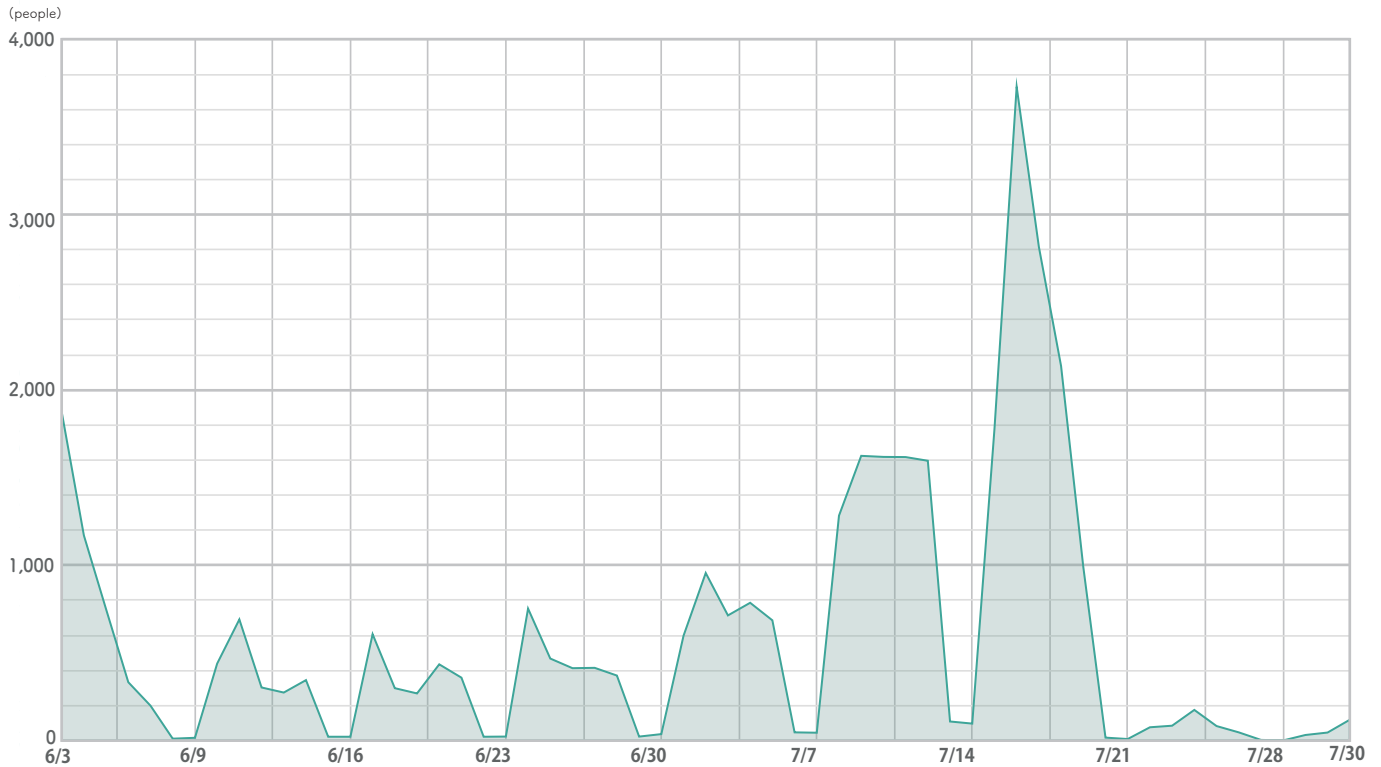
44,132 (2023)

\*The number of visitors refers to the number of times registered participants accessed the online exposition website. (One visit was defined as one access per day. If a registered participants accessed the website multiple times per day, this was counted as one visit.)

## Number of Exposition Registrations

Total number of registered ONLINE STAGE 2 participants

# 34,861

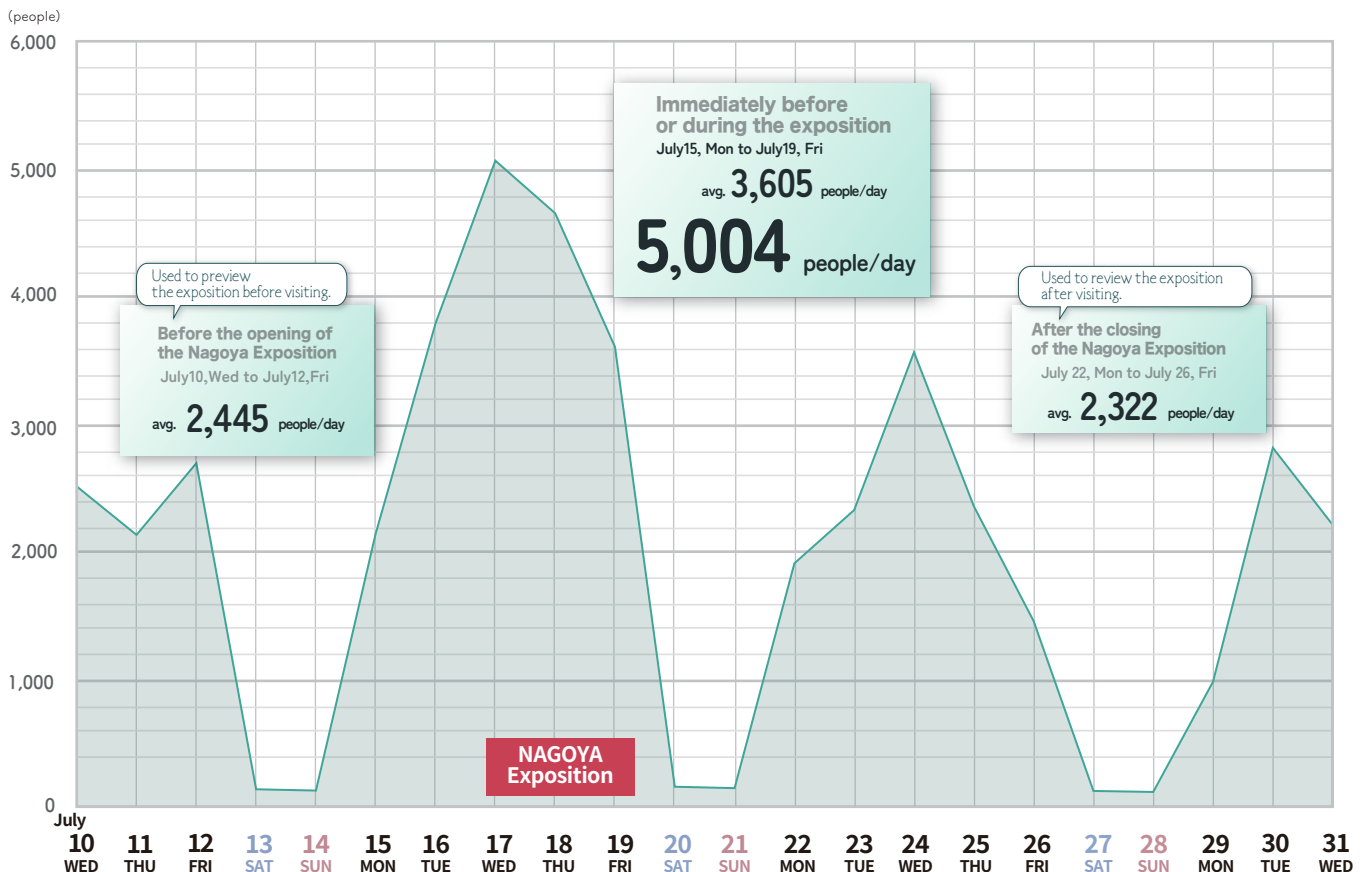


## Number of Visitors



Number of times online exposition accessed by registered participants

# 45,008

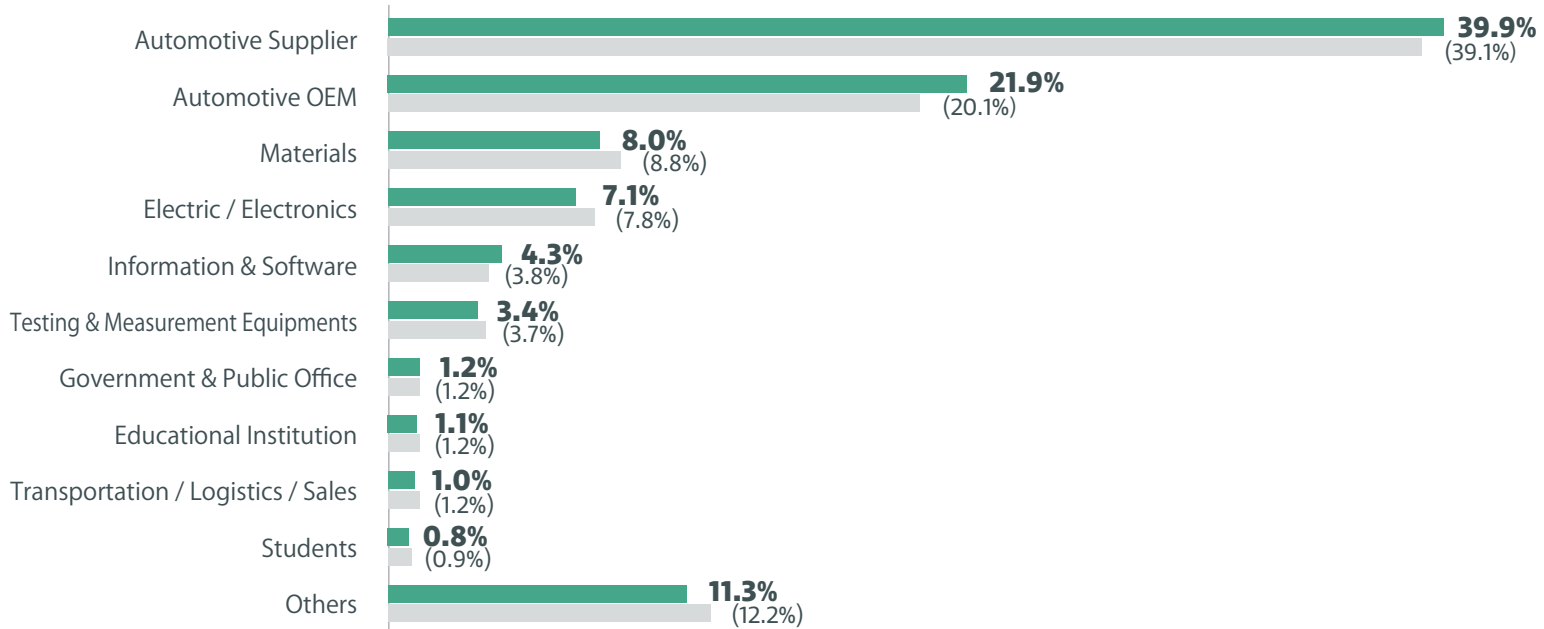
\*The number of visitors refers to the number of times registered participants accessed the online exposition website.  
(One visit was defined as one access per day. If a registered participants accessed the website multiple times per day, this was counted as one visit.)



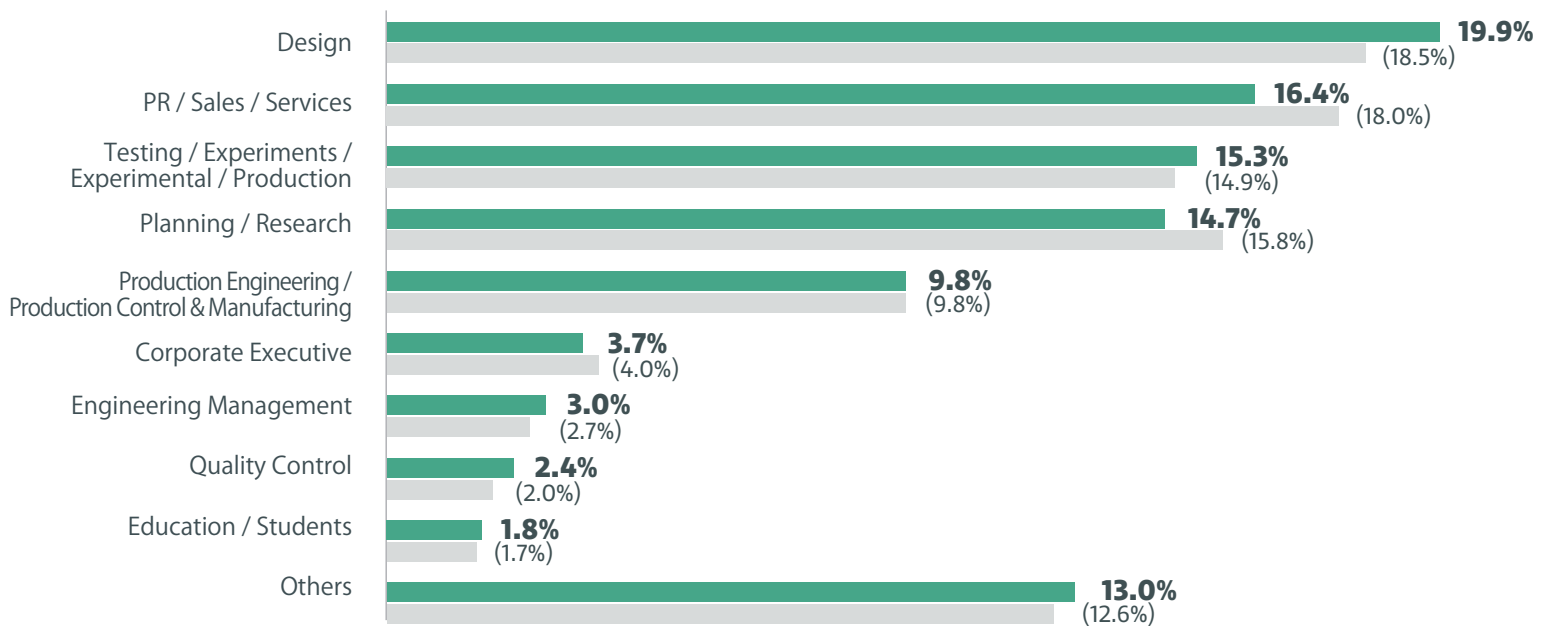


 2024  
 2023  
\*( ) figures for 2023

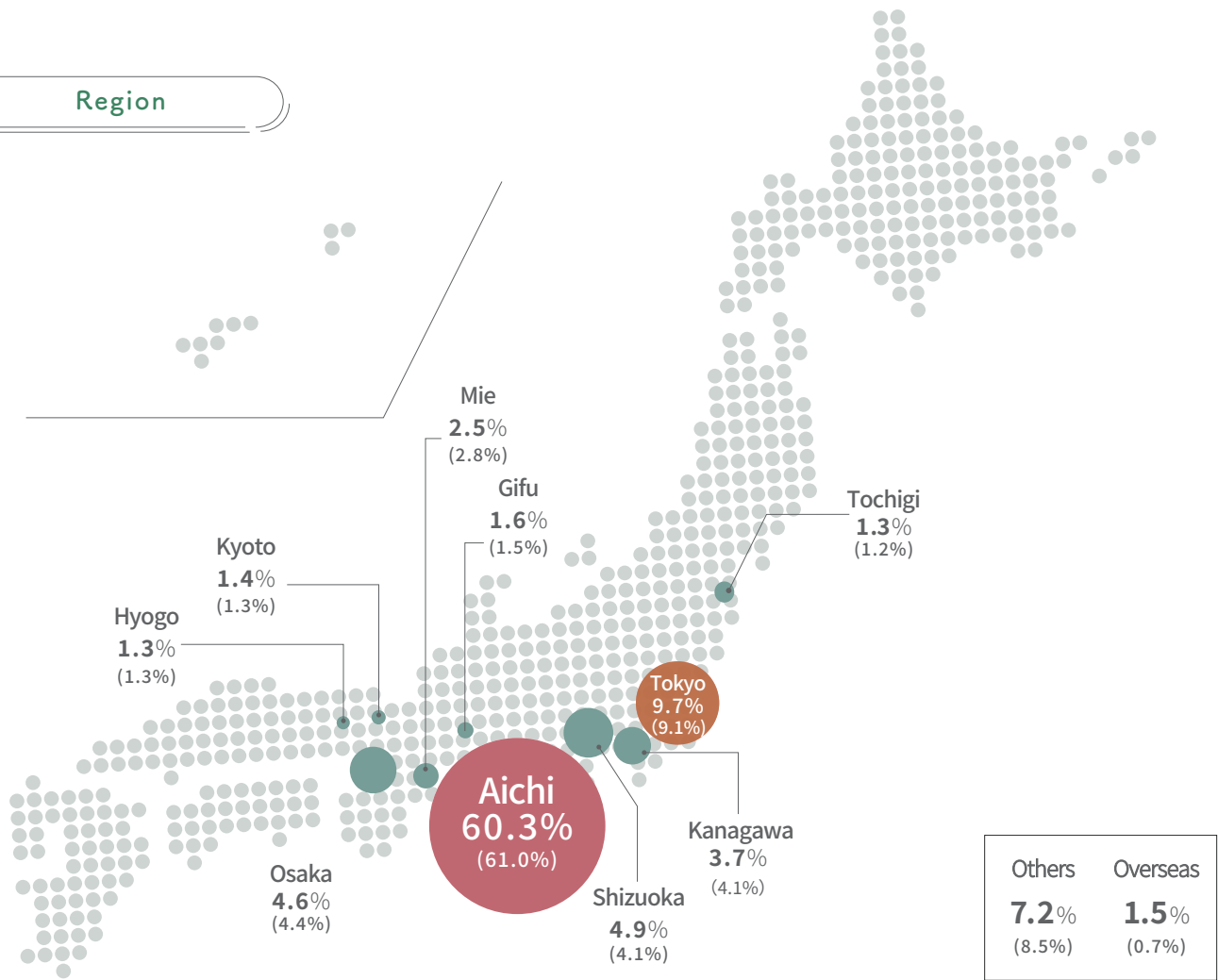
## Business Category



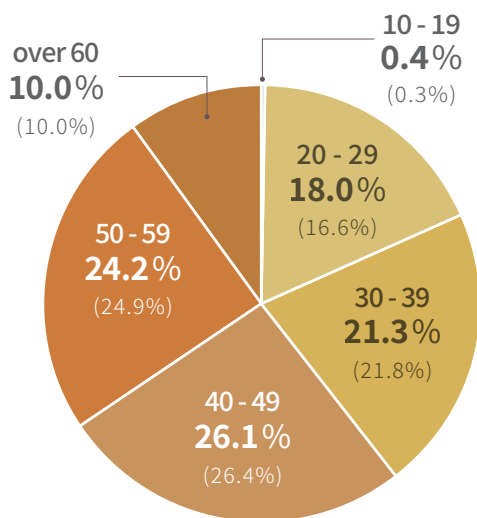
## Job Category



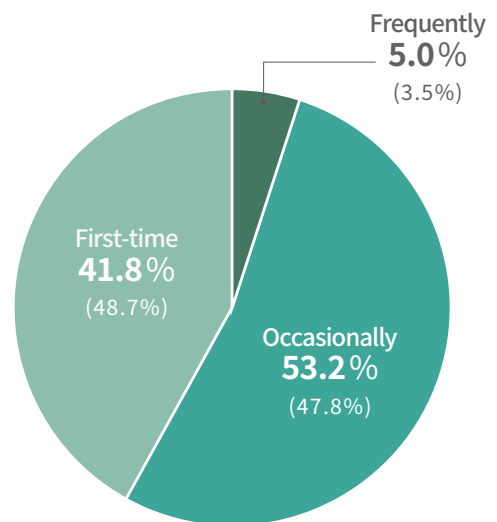
## Region



## Age



## Frequency of Visits



# VISITORS' VOICE

## QUESTIONNAIRE RESULTS

1,245 people answered the survey.

# ONLINE STAGE 2



## VISITORS' VOICE

I used the online exhibition to prepare and narrow down the booths to visit before attending the actual exhibition. By checking the booth locations on the web map in advance, I was able to smoothly navigate the in-person exhibition. The online exhibition was very effective for preliminary research and for creating reports after the visit. I hope for a hybrid event next year as well.





The videos and catalogs from the online exhibition were very helpful. This exhibition is very meaningful as it allows us to learn about the various initiatives of each company. At the on-site exhibition, it can be difficult to view the details of videos and panels at the booths due to the large number of participants, but online, it is possible to carefully review the content, which is very helpful.

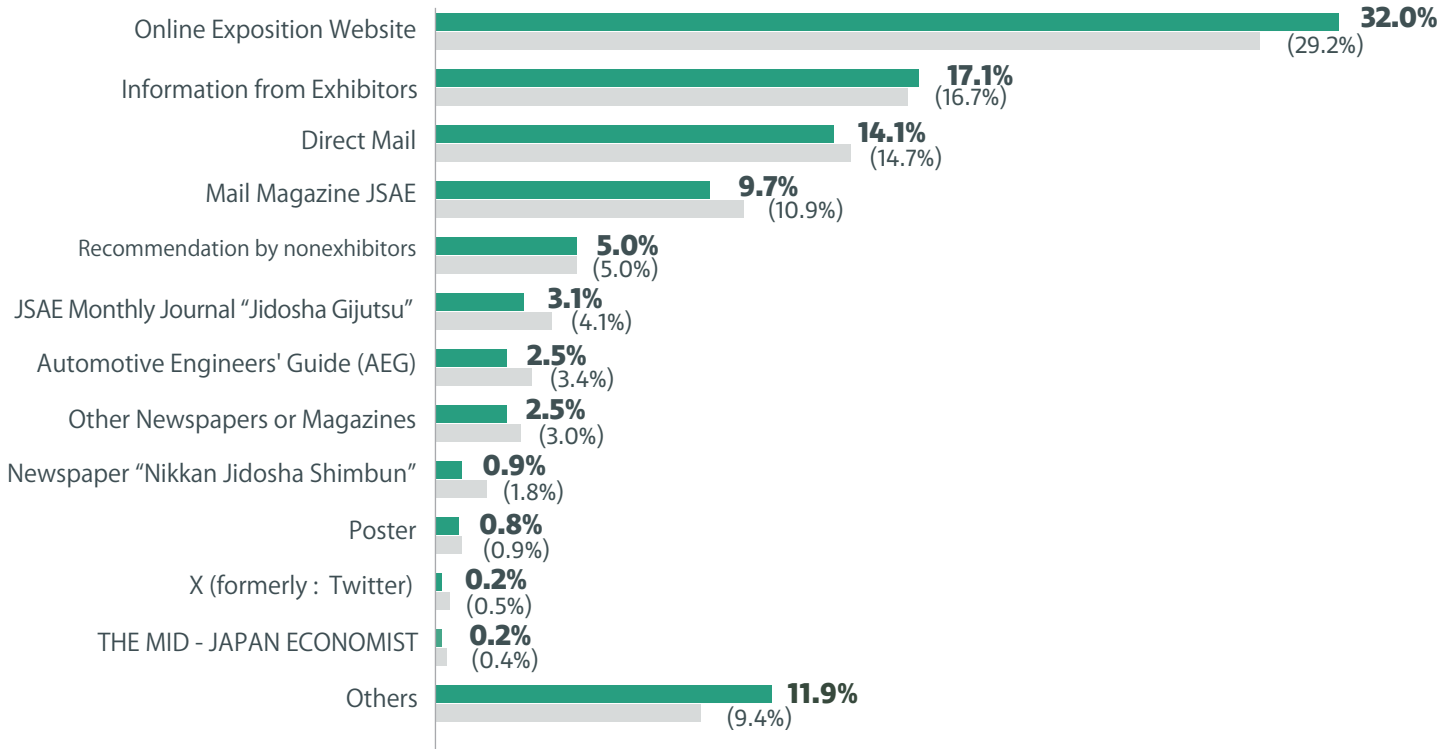




I participated in the online exhibition this time. Due to work, it was difficult to attend the in-person exhibition, so being able to participate online was very beneficial. I gathered information on the exhibits and attended lectures. Although the content is more limited compared to the in-person exhibition, I still learned a lot and think it is a good system.



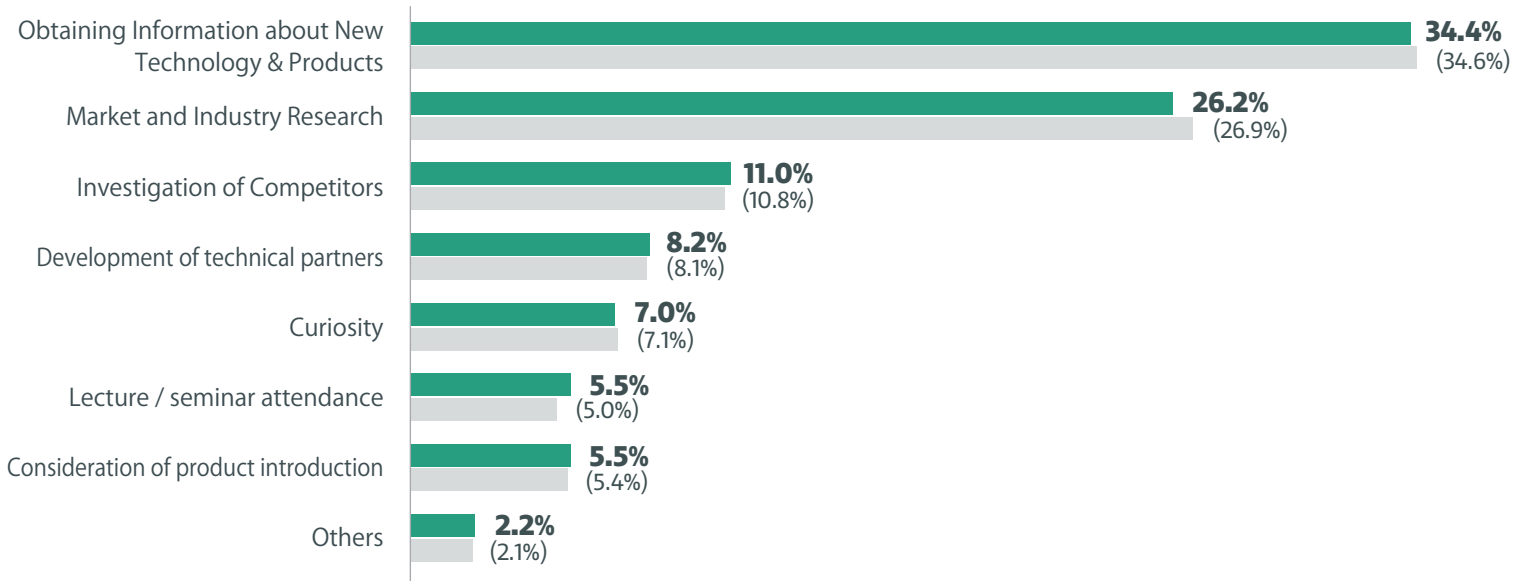
## How Visitors Knew about the Exposition

 2024  
 2023  
\*( ) figures for 2023

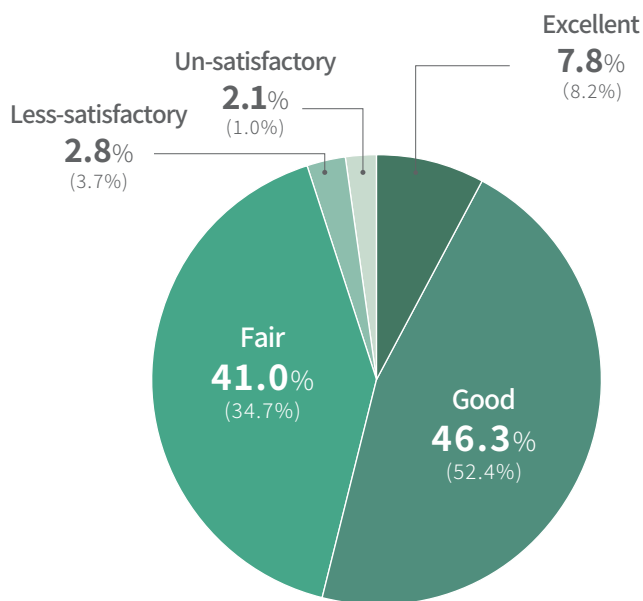


 2024  
 2023  
\*( ) figures for 2023

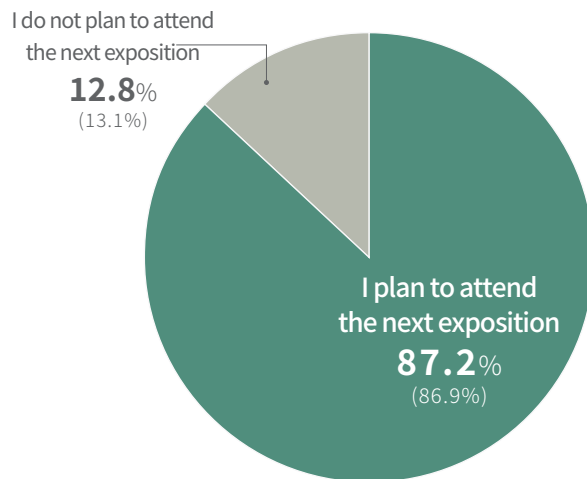
## Purpose of Visit

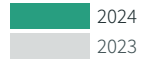


## Satisfaction with Visit



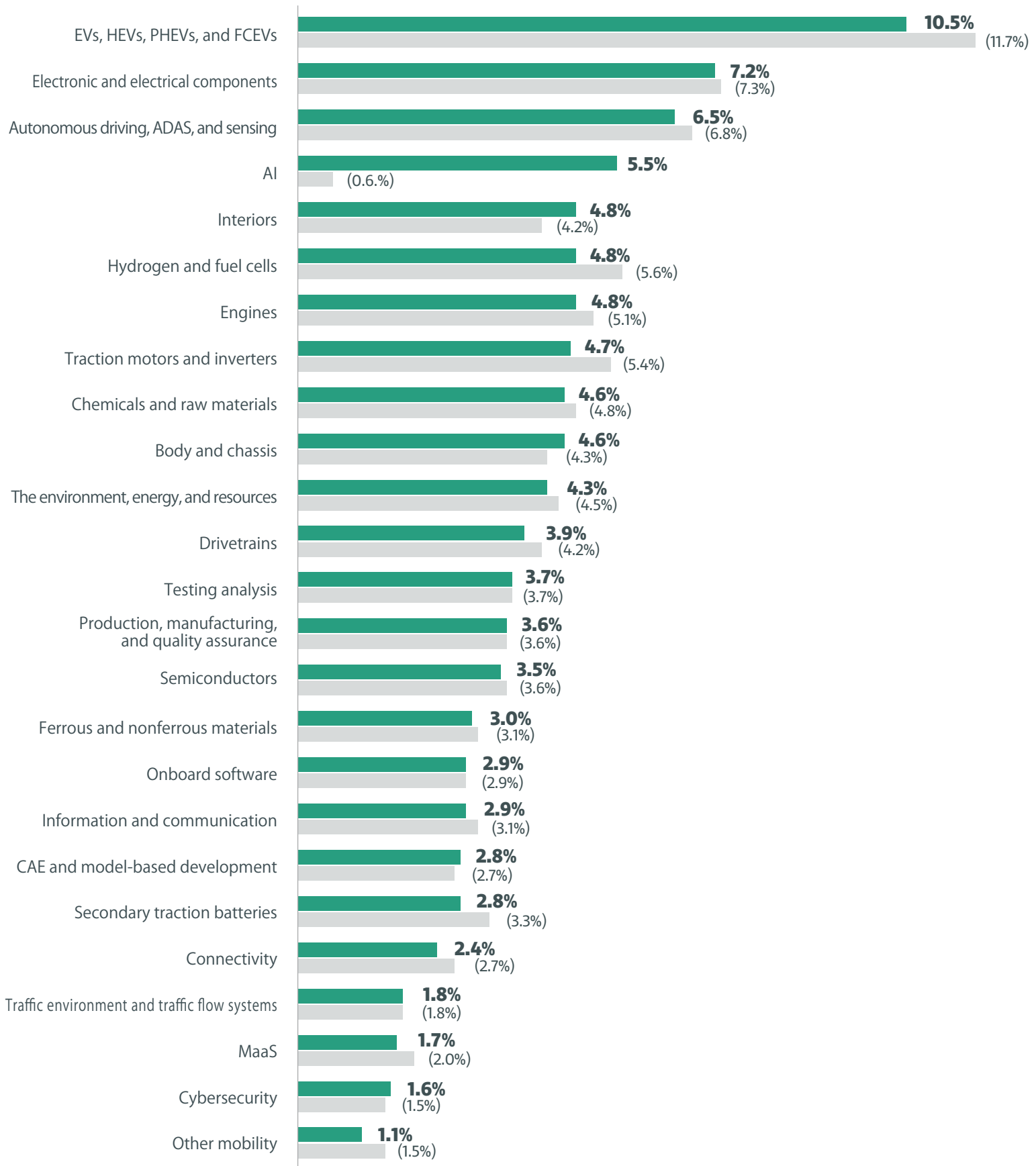
## Likelihood of attending the next exposition





\*( ) figures for 2023

## Exhibition Categories of Interest



Which exhibits left the best impression in the general exhibits?

Answer Ranking

<b>No.1</b>	<b>FCVs</b>
<b>No.2</b>	<b>Highly functional plastics</b>
<b>No.3</b>	<b>Next-generation mobility</b>
<b>No.4</b>	<b>Commercial vehicle</b>
<b>No.5</b>	<b>Plant-derived material products</b>

3D printers	Heat pumps
AI translation services	Heat shielding seat fabric
Air pressure detection systems	Hydrogen tanks
Aluminum castings	In-wheel motors
Audio software	Lithium-ion batteries
Automatic mosaic application technologies	Low-noise microphones
Autonomous driving technologies	Massage seats
BEVs	Microfilters
Body adhesives	Monocular cameras
Carbon nanotubes	Nap boxes
Carbon neutrality	Noise source probes
Circular economy	PHEVs
Circular economy	Raindrop removing AI
Coating transference	Recycled products
Cooling modules	Remote sensing
Cut models	Rotary engines
Cybersecurity	Screw diffusion bonding
Decorative films	Separator stamping technologies
Dissimilar joining technologies	Steering systems
Driving simulators	Thin-film decoration technologies
e-Axle	Thin-wall casting
Glass heat insulating films	Transparent heaters
Hand gesture technologies	

\*in alphabetical order

Which themes and products would visitors like exhibitors to show in future exhibitions?

Answer Ranking

<b>No.1</b>	<b>Carbon neutrality</b>
<b>No.2</b>	<b>Autonomous driving technologies</b>
<b>No.3</b>	<b>Recycled Products</b>
<b>No.4</b>	<b>Circular Economy</b>
<b>No.5</b>	<b>Next-generation mobility</b>

- Aerospace development
- AI technologies
- Air conditioning systems
- BEVs
- Cameras
- Car audio
- Charging technologies
- Cooling modules
- Cut models
- Decorative films
- eVTOL
- FCVs
- Gasoline vehicles
- Gigacasting
- Heat management
- High electric heating materials
- Highly functional plastics
- Hydrogen tanks
- Infrastructure development
- Interactive exhibits
- Interiors
- Lithium-ion batteries
- Metal sensors
- Metal working technologies
- Millimeter-wave radar
- Motion capture
- Noise meters
- Non-contact thermal diagnostics
- Non-destructive inspection
- Non-Japanese BEV manufacturers
- Passive safety
- Power generation systems
- Printed circuit board design
- Quality inspection
- SDVs
- Smart cities
- Software development
- Solar cells
- Superconductivity
- Tear down exhibits
- Vehicle-to-vehicle communication devices
- Vibration meters
- Weight reduction technologies
- Wiring design
- Workplace digital transformation



# EXHIBITORS' VOICE

## Questionnaire Results

72 company answered the survey.

ONLINE STAGE 1  
ONLINE STAGE 2



## EXHIBITORS' VOICE

Online exhibitions are extremely effective when it is not possible to visit other booths at the actual exhibition venue. I am convinced that they are highly valuable for promoting products.

Given that some attendees cannot visit the venue in person, being able to approach them both online and in-person is beneficial.

I hope that hybrid events will continue to be held in the future.





I feel that more people have gained prior knowledge by viewing the online exhibition in advance compared to last. This made communication at the booth easier. I realized that the online exhibition is being effectively used as a preliminary research tool before visiting the actual venue.

I hope that the features will be further improved and utilized by many more attendees.

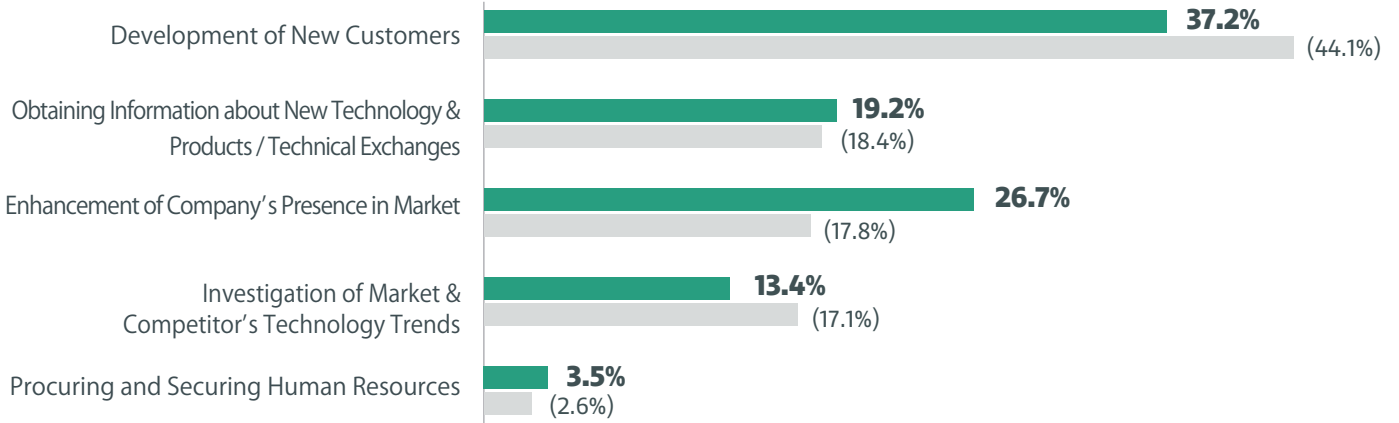


Not only the attendee data obtained on-site, but also the online exhibition has been a valuable source of high-quality leads. We can see which products and technologies are attracting interest and even check the time spent on product pages, which helps us with detailed product and technology analysis for our company.

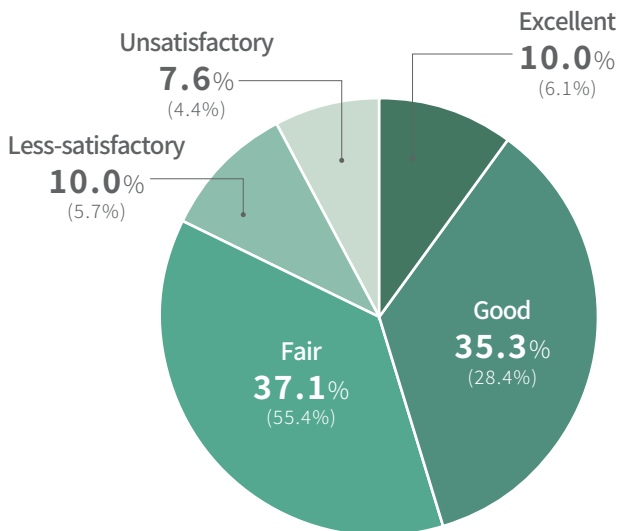


 2024  
 2023  
\*( ) figures for 2023

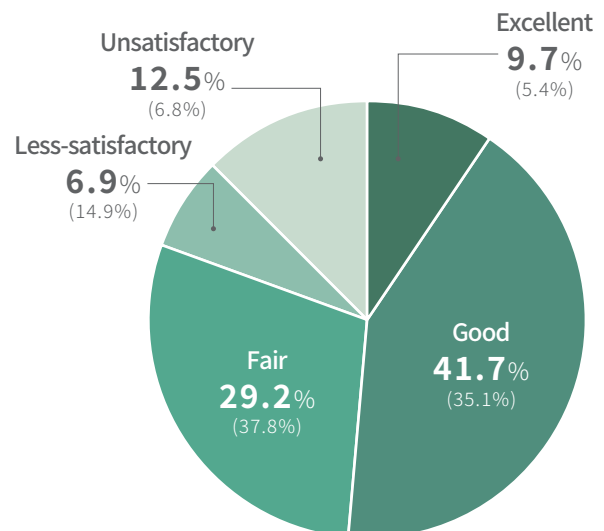
## Purpose of Exhibit



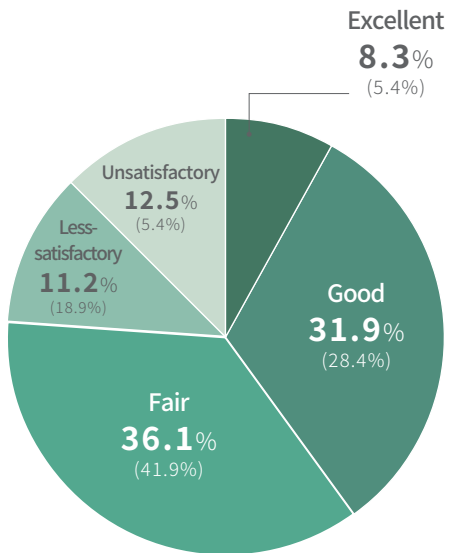
## Satisfaction with Exhibit



## Impression of Visitors




## Comprehensive Evaluation



The AUTOMOTIVE ENGINEERING EXPOSITION 2024 ONLINE STAGE 1 was visited by 89,761 registered participants between Wednesday, May 15, through Wednesday, June 5, 2024.  
Of the 601 exhibitors, the following 30 attracted the most visitors.

## STAGE 1 Access TOP 10

 <b>1</b>	<b>Honda Motor Co., Ltd.</b>	<b>6</b>	<b>Toyota Boshoku Co., Ltd.</b>
 <b>2</b>	<b>Toyota Motor Corporation</b>	<b>7</b>	<b> AISIN CORPORATION</b>
 <b>3</b>	<b>DENSO Corp.</b>	<b>8</b>	<b>Schaeffler Japan Co., Ltd.</b>
<b>4</b>	<b>Nissan Motor Co., Ltd.</b>	<b>9</b>	<b>Mitsubishi Motors Co., Ltd.</b>
<b>5</b>	<b>Mazda Motor Corporation</b>	<b>10</b>	<b>SUBARU Co., Ltd.</b>

<b>11</b>	<b>SUZUKI MOTOR Corp.</b>	<b>21</b>	<b>Mitsubishi Chemical Corp.</b>
<b>12</b>	<b>Sumitomo Electric Industries Ltd.</b>	<b>22</b>	<b>SEKISUI CHEMICAL Co., Ltd.</b>
<b>13</b>	<b>YAMAHA MOTOR Co., Ltd.</b>	<b>23</b>	<b>KANEKA Corp.</b>
<b>14</b>	<b>NSK Ltd.</b>	<b>24</b>	<b>Asahi Kasei Corp.</b>
<b>15</b>	<b>ISUZU MOTORS LIMITED</b>	<b>25</b>	<b>Sumitomo Chemical Co., Ltd.</b>
<b>16</b>	<b>FURUKAWA ELECTRIC Co., Ltd.</b>	<b>26</b>	<b>KYOCERA Corporation</b>
<b>17</b>	<b>TOYOTA AUTO BODY Co., Ltd.</b>	<b>27</b>	<b>Daikin Industries, Ltd.</b>
<b>18</b>	<b>Dai Nippon Printing Co., Ltd.</b>	<b>28</b>	<b>DuPont Japan K.K.</b>
<b>19</b>	<b>YAZAKI Corp.</b>	<b>29</b>	<b>SCSK Corp.</b>
<b>20</b>	<b>Valeo Japan Co., Ltd.</b>	<b>30</b>	<b>AVL JAPAN K.K.</b>

The AUTOMOTIVE ENGINEERING EXPOSITION 2024 ONLINE STAGE 2 was visited by 34,861 registered participants between Wednesday, July 10, through Wednesday, July 31, 2024.

Of the 405 exhibitors, the following 30 attracted the most visitors.

## STAGE 2 Access TOP 10



1

**Honda Motor Co., Ltd.**

6

**AISIN CORPORATION**



2

**Toyota Motor Corporation**

7

**SUBARU Co., Ltd.**



3

**DENSO Corp.**

8

**Mitsubishi Motors Co., Ltd.**

4

**Nissan Motor Co., Ltd.**

9

**SEKISUI CHEMICAL Co., Ltd.**

5

**Mazda Motor Corporation**

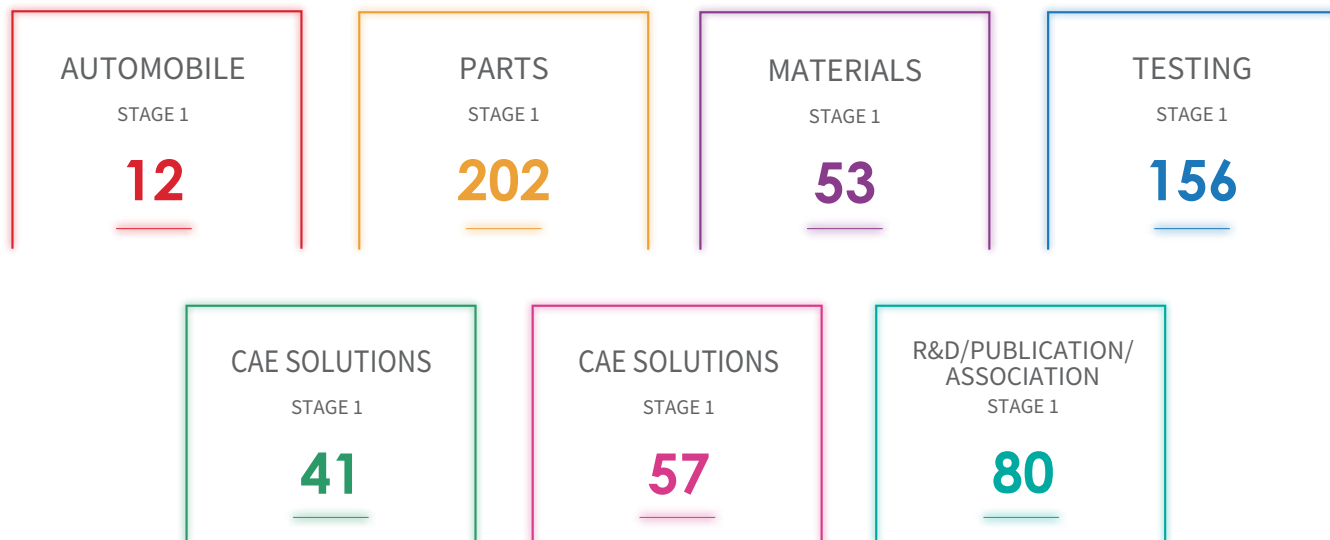
10

**TOYOTA AUTO BODY Co., Ltd.**

11	<b>SUZUKI MOTOR Corp.</b>	21	<b>KOBELCO GROUP</b>
12	<b>FURUKAWA ELECTRIC Co., Ltd.</b>	22	<b>DuPont Japan K.K.</b>
13	<b>Sumitomo Electric Industries Ltd.</b>	23	<b>SCSK Corp.</b>
14	<b>ISUZU MOTORS LIMITED</b>	24	<b>MinebeaMitsumi Inc.</b>
15	<b>Mitsubishi Chemical Corporation</b>	25	<b>MEIJI ELECTRIC INDUSTRIES Co., Ltd.</b>
16	<b>Sumitomo Chemical Co., Ltd.</b>	26	<b>Yamada Manufacturing Co., Ltd.</b>
17	<b>Dai Nippon Printing Co., Ltd.</b>	27	<b>TOPPAN Co., Ltd.</b>
18	<b>Asahi Kasei Corp.</b>	28	<b>Hino Motors, Ltd.</b>
19	<b>Daitron Co., Ltd.</b>	29	<b>TACHI-S Co., Ltd.</b>
20	<b>AGC Inc.</b>	30	<b>SHIGERU Co., Ltd.</b>

# ONLINE STAGE 1 EXHIBITORS LIST ☰

THE NUMBER OF EXHIBITORS / ONLINE STAGE 1 **601** exhibitors



"Alphabetical order in each category.  
\* The ""\*"" mark indicates a joint exhibitor or a group exhibitor."

AUTOMOBILE	
Hino Motors, Ltd.	ASANO LABORATORIES Co., Ltd.
Honda Motor Co., Ltd.	Baotou Tianhe Magnetics Technology Co., Ltd.
ISUZU MOTORS LIMITED	Biko Industry Co., Ltd.
Mazda Motor Corporation	BORGWARNER
Mitsubishi Motors Co., Ltd.	Bosch Corp.
Nissan Motor Co., Ltd.	Brose Japan Ltd.
SUBARU Corp.	Continental Automotive
Suzuki Motor Corp.	CPE ELECTRONICS Co., Ltd.
TOYOTA AUTO BODY Co., Ltd.	Daidometal Co., Ltd.
Toyota Motor Corp.	DAIICHI JITSUGYO Co., Ltd.
UD Trucks Corp.	DaikyoNishikawa Corp.
YAMAHA MOTOR Co., Ltd.	Daitron Co., Ltd.
	Dai Nippon Printing Co., Ltd.
PARTS	
A2Mac1 Japan Ltd.	Dana Japan, Ltd.
AAM	Delfingen Japan K.K.
Advanex Inc.	DELTA KOGYO Co., Ltd.
AICHI STEEL CORPORATION	DENSHIJIKI INDUSTRY Co., Ltd.
AISAN INDUSTRY Co., Ltd.	DENSO Corp.
AISIN Corporation	Earth-Panda Advance Magnetic Material Co., Ltd.
ALTIA Co., Ltd.	Elephantech Inc.
Amsted Automotive Group	Elmos Japan K.K.
Analys Research Corp.	Elringklinger Marusan Co., Ltd.
● Chuo Kogaku Shuppan Co., Ltd.	EXEDY Corp.
Aomi Precision Co., Ltd.	● Dynax Corporation
Asahi Forge Corp.	F.C.C. Co., Ltd.
ASAHI RUBBER Inc.	FALTEC Co., Ltd.
	Focuslight Technologies Inc.
	FORVIA (HELLA Japan)
	FORVIA Faurecia
	Fuji Electronics Industries Co., Ltd.
	● SEIKOH GIKEN
	FUJIKURA COMPOSITES Inc.
	● Nitto Denko Corporation
	FUKOKU Co., Ltd.
	Fukui Byora Co., Ltd.
	FURUKAWA ELECTRIC Co., Ltd.
	FUTABA INDUSTRIAL Co., Ltd.
	Gestamp AutoTech Japan Co., Ltd.
	GLOBETECH Inc.
	GMB Corp.
	GSI Creos Corp.
	HAMAMATSU PHOTONICS K.K.
	HASHIBA INTERNATIONAL Inc.
	HEISHIN Ltd.
	HIROSE ELECTRIC Co., Ltd.
	Hitachi Astemo, Ltd.
	HKS Co., Ltd.
	HKT Corp.
	HONDA TSUSHIN KOGYO Co., Ltd.
	HOTTY POLYMER Co., Ltd.
	I-PEX Inc.
	ICHIKOH INDUSTRIES Ltd.
	iFLYTEK Automotive Japan Co., Ltd.
	igus K.K.

## EXHIBITORS LIST

IJTT Co., Ltd.	MD Electronics	Sawakyu Industries Co., Ltd.
IKUYO Co., Ltd.	METALART Corp.	Schaeffler Japan Co., Ltd.
IRISO Electronics Co., Ltd.	MICRO FASTENERS Co., Ltd.	Sensata Technologies Japan Ltd.
IWATA BOLT Co., Ltd.	MinebeaMitsumi Inc.	SHENZHEN HOVERBIRD ELECTRONICS TECHNOLOGY Co., Ltd.
iwis mobility systems Japan K.K.	Mitsuboshi MFG Co., Ltd.	SHIGERU Co., Ltd.
JATCO Ltd	MIZUNO TEKKOSHO Co., Ltd.	● IBUKI Inc.
JLMAG RARE-EARTH JAPAN Co., Ltd.	MORIROKU GROUP	SHINE-ETSU DENSO Co., Ltd.
JMC Corp.	Morpho, Inc.	SINO-JAPAN ELECTRIC HEATER Co., Ltd.
JOMESA Japan K.K.	Musashi Engineering Inc.	SJM Co., Ltd.
JTEKT CORPORATION	NACHI-FUJIKOSHI Corp.	SMK Corp.
Kaminashi Inc.	Naka Liquid Control Co., Ltd.	SMT Japan
KASAI KOGYO Co., Ltd.	Namitei Co., Ltd.	SPAL Japan K.K.
KATO SEISAKUSHO Co., Ltd.	NHK spring Co., Ltd.	SPC ELECTRONICS CORPORATION
KAUTEX JAPAN Corp.	NIHON PLAST Co., Ltd.	SUGIURA SEISAKUSHO Co., Ltd.
KEEPER Co., Ltd.	Nihon Spindle Manufacturing Co., Ltd.	Sumitomo Electric Industries Ltd.
KEIHIN SEIMITSU KOGYO Co., Ltd.	Nippon Light Metal Group	Sumitomo Heavy Industries Ltd.
KEL Corp.	Nippon POP Rivets and Fasteners Ltd.	● Nihon Spindle Manufacturing Co., Ltd.
KEYENCE Corp.	Nippon Seiki Co., Ltd.	● Topia Co., Ltd.
Kimura Foundry Co., Ltd.	NIPPON SOSEY KOGYO Co., Ltd.	SWCC Corp.
Knorr-Bremse Commercial Vehicle Systems Japan Ltd.	Nippon Tanshi Co., Ltd.	Taiho Kogyo Co., Ltd.
KOITO MANUFACTURING Co., Ltd.	Nissan Manufacturing Co., Ltd.	TAIYO MANUFACTURING Co., Ltd.
KOIWAI Co., Ltd.	NITTOSEIKO Co., Ltd.	Takagi Seiko Corp.
● AOKI Manufacturing Co., Ltd.	NIX, Inc.	Takayanagi Co., Ltd.
● Dasai Co., Ltd.	NOK Corp.	TBK Co., Ltd.
Kurashiki Kako Co., Ltd.	NPR-RIKEN Corp.	TE Connectivity
kurimoto Co., Ltd.	NSK Ltd.	TODA RACING Co., Ltd.
Kuwahara Casting Corporation	NTN Corp.	TOKAI RIKA Co., Ltd.
Leaner Technologies Inc.	Oetiker Japan Co., Ltd.	TOKOROZAWA ALLOY FOUNDRY Co., Ltd.
Linamar Japan Inc.	OGAWA INDUSTRY Corp.	Tokyo R&D Co., Ltd.
Magna International Japan Inc.	Origin Co., Ltd.	TOP Co., Ltd.
MAHLE Group	Osaka Forming Co., Ltd.	TOYODA GOSEI Co., Ltd.
Manufacturing Support Center Shimosuwa	OTICS Corp.	TOYOTA BOSHOKU Corp.
● Kyoshin Seiko Co.,Ltd.	OTSUKA SEIKO Co., Ltd.	TPR Co., Ltd.
● CERIOTEC Co.,Ltd.	Panasonic Industry Co., Ltd.	TRIS Inc.
● Yamato Denki Ind Co.,Ltd.	PROFIL Japan	Tsubakimoto Chain Co.
● Ings Shinano Co.,Ltd.	RHYTHM Co., Ltd.	UNIVANCE Corp.
● NAGANO HIDAKA Co.,Ltd.	Rollax Japan	Valeo Japan Co., Ltd.
● SRIC Corporation	RYOBI Ltd.	VicOne Inc.
● ITO PARTS INDUSTRY Co.,Ltd.	Saint-Gobain K.K.	Vicor K.K.
MarkLines Co., Ltd.	SANEI Industries Co., Ltd.	Victrex Japan Inc.
Martinrea	Sango Co., Ltd.	Vitesco Technologies Japan K.K.
Marubeni Ele-Next Co., Ltd.	SANJO MACHINE WORKS, Ltd.	Wieland
MATSUI UNIVERSAL JOINT CORPRATION	SANWA SEIKI Ltd.	Witzenmann Japan K.K.
Matsumoto Kosan Co., Ltd.	SASAKI Inc.	Yamada Manufacturing Co., Ltd.

YANAGAWA SEIKI Co., Ltd.	SEKISUI CHEMICAL Co., Ltd.	EVIDENT Corp.
YAZAKI Corp.	Sumitomo Chemical Co., Ltd.	FEV Japan Co., Ltd.
YOSHIKAWA Engineering Inc.	Sunwa Trading Corp.	FIT Pacific Inc.
<b>MATERIALS</b>	ThreeBond Co., Ltd.	FT TECHNO Co., Ltd.
AGC Inc.	TODA KOGYO Corp.	FUJI KEISOKU SYSTEM Co., Ltd.
Aica Kogyo Co., Ltd.	TOPPAN Co., Ltd.	Fuji Technical Research Inc.
ARKEMA / Bostik	Toray Industries, Inc.	fukuda Co., Ltd.
Asahi Kasei Corp.	TOYO DRILUBE Co., Ltd.	GAFS Co., Ltd.
Bax Inc.	UACJ Corp.	● Blueke Co., Ltd.
CARBON FLY Inc.	UNITIKA Ltd.	Gailogic Corp.
Covestro Japan Ltd.	VisasQ Inc.	GTR TEC Corp.
Daikin Industries, Ltd.	Zeon Corp.	Haraseisakusyo Co., Ltd.
DELO Industrial Adhesives & APPEX Corp.	<b>TESTING</b>	HBK-Hottinger Brüel & Kjær
DJK Corp.	4Assist Inc.	HEAD acoustics Japan K.K.
DuPont Japan K.K.	A&D Co., Ltd.	HORIBA, Ltd.
Eastman Chemical Japan Co., Ltd.	● BEST INSTRUMENTS CO., Ltd.	Humanetics Innovative Solutions Japan K.K.
H.E.F DURFERRIT JAPAN Co., Ltd.	AB Dynamics G.K.	iASYS Technology Solutions K.K.
● TS Nanocoat corp.	ADVANTEST Corp.	IAV Co., Ltd.
● TS Gunma Co., Ltd.	Allion Japan Inc.	IDIADA AUTOMOTIVE TECHNOLOGY S.A.
HAGATAYA Co., Ltd.	Ametek Co., Ltd.	IMV Corp.
Haltermann Carless Japan	● Ametek Co., Ltd. ATLAS	Intrepid Control Systems Japan K.K.
HellermannTyton Co., Ltd.	● Ametek Co., Ltd. CREAFORM	IR System Co., Ltd.
Henkel Japan Ltd.	APL Automotive Japan K.K.	ITACCESS Co., Ltd.
Hoganas Japan K.K.	aptpod Inc.	ITK Engineering Japan Inc.
Idemitsu Kosan Co., Ltd.	AR BROWN Co., Ltd.	Japan Automobile Research Institute
KANEKA Corp.	ASAM Japan G.K.	Japan Laser Corp.
KINYOSHA Co., Ltd.	ATESTEO Japan K.K.	Japan Probe Co., Ltd.
KOBELCO GROUP	ATI Worldwide LLC	Japan Quality Assurance Organization
KURARAY Co., Ltd.	ATSENSE Inc.	Japan Radio Co., Ltd.
KYORITSU ELEX Co., Ltd.	Automax Co., Ltd.	JASTI Co., Ltd.
LINTEC Corp.	AutoTechnicJapan Co., Ltd.	JFE TECHNO-RESEARCH Corp.
MATSUO SANGYO Co., Ltd.	AVL JAPAN K.K.	KANOMAX JAPAN Inc.
Metco Joining & Cladding	Bruker Japan K.K.	KATO TECH Co., Ltd.
Microwave Absorbers Inc.	bryka international Inc.	KEN AUTOMATION Inc.
Midori Auto Leather Co., Ltd.	Catec Inc.	KEYCOM Corp.
Mitsubishi Chemical Corp.	Chemitox Inc.	Keysight Technologies Japan K.K.
Mitsui Chemicals Inc.	Comet Technologies Japan K.K.	KIKUSUI ELECTRONICS Corp.
Nippon Steel Corp.	DEWEJapan Co., Ltd.	Kistler Japan G.K.
NISSAN ARC, Ltd.	DITECT Corp.	KOBUNSHI KEIKI Co., Ltd.
Oerlikon Japan Co., Ltd.	dSPACE Japan K.K.	KOKUSAI Co., Ltd.
Polyplastics -Evonik Corp.	DTS INSIGHT Corp.	KOZO KEIKAKU ENGINEERING Inc.
Proterial Ltd.	e-OHTAMA Ltd.	KYOWA ELECTRONIC INSTRUMENTS Co., Ltd.
RIKEN TECHNOS Corp.	Easy-Measure Co., Ltd.	Laser Measurement Corp.
SABIC	Enable Inc.	LaVision
San Fang Chemical Industry Co., Ltd.	ETAS K.K.	● MARUBUN



## EXHIBITORS LIST

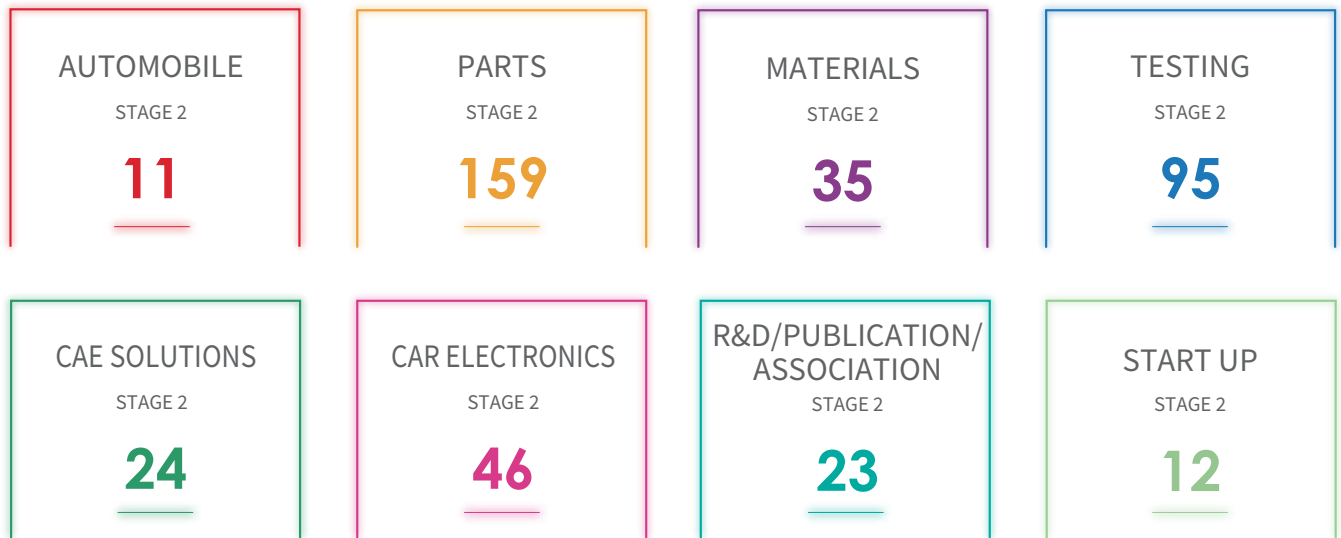
Leader Electronics Corp.	SANSHA ELECTRIC MANUFACTURING Co., Ltd.	Flow Science Japan Inc.
Marubeni Information Systems Corp.	Sanyo Trading Co., Ltd.	FORUM8 Co., Ltd.
● Witz Corporation	SGS Japan Inc.	FsTech Inc.
Marubun Corp.	SHIMADZU Corp.	FunctionBay K.K.
MATSUI Corp.	● Shimadzu Techno-Research, Inc.	GENIO Solutions Co., Ltd.
Matsusada Precision Inc.	SHIN NIPPON TOKKI Co., Ltd.	Gleason Asia Co., Ltd.
Maximator Fluid Technologies Ltd.	SINFONIA TECHNOLOGY Co., Ltd.	HEXAGON
MEIDENSHA Corp.	SPI ENGINEERING Co., Ltd.	● Volume Graphics Co., Ltd.
MEIJI ELECTRIC INDUSTRIES Co., Ltd.	STRINGO Co., Ltd.	IDAJ Co., Ltd.
● Comet Technologies Japan K.K.	Sumika Chemical Analysis Service Ltd.	Integral Technology Co., Ltd.
● Anton Paar Japan K.K.	SYSTEM PLUS Inc.	Integration Technology Co., Ltd.
● Alxstal Co., Ltd.	TAKASAGO, Ltd.	IPG Automotive K.K.
● ORIX Rentec Corporation	TEAC CORPORATION	JMAG Business Company
● Nippon BARNES Company Ltd.	Tec Gihan Co., Ltd.	Keisoku Engineering System Co., Ltd.
● LINX Corporation	TECHMATRIX Corp.	Neorium Technology Co., Ltd.
Mitsubishi Precision Co., Ltd.	TECHNICAL SUPPORT Co., Ltd.	NewtonWorks Corp.
Mitutoyo Corp.	TESCO Corp.	NTT DATA Automobiligence Research Center Ltd.
MODE · CREATE Co., Ltd.	TEXIO TECHNOLOGY Corp.	Prometech Software Inc.
Moog Japan Ltd.	TMEIC Corporation	PTV Group Japan Ltd.
MORITANI & Co., Ltd.	TOHO ENGINEERING Co., Ltd.	Reactive Systems Inc.
● Myway Plus Corporation	TOKYO BOEKI TECHNO-SYSTEM Ltd.	Research Center of Computational Mechanics Inc.
● ACT ELECTRONICS CORPORATION	Tokyo Dylec Corp.	rFpro Limited
MTS Japan Ltd.	Tokyo Measuring Instruments Laboratory Co., Ltd.	RICOS Co., Ltd.
Muratec Mechatronics Co., Ltd.	Tokyo Seimitsu Co., Ltd.	RPV Co., Ltd.
Myway Plus Corp.	Topcon Technohouse Corp.	Satyam-Venture Engineering Services Private Limited
nac Image Technology Inc.	Tosoku Co., Ltd.	SCSK Corp.
NetVison Co., Ltd.	TOYO Corp.	SCTM Engineering Corp.
Nihon Denkei Co., Ltd.	TOYO DENKI SEIZO K.K.	Siemens K.K.
Nihon Onkyo Engineering Co., Ltd.	toyonaka hot laboratory Co., Ltd.	soridlay Co., Ltd.
NIPPO CORPORATION	Toyota Technical Development Co., Ltd.	Stratasys Japan
Nishiyama Corp. / Yamato Scale Co., Ltd / JAPAN WIND TUNNEL MFG.	Tsukasa Sokken Co., Ltd.	Terrabyte Co., Ltd.
Nobby Tech. Ltd.	UNIPULSE Corp.	zhongqiao business Co., Ltd.
OCTEC Inc.	VBOX JAPAN Inc.	● EFFECTO GROUP S.p.A.
OHTE GIKEN, Inc.	VI-grade	<b>CAR ELECTRONICS</b>
OKI Engineering Co., Ltd.	VIOS SYSTEM Co., Ltd.	Amphenol Japan Ltd.
Ono Sokki Co., Ltd.	<b>CAE SOLUTIONS</b>	ams-OSRAM Japan Ltd.
Palmeso Co., Ltd.	Altair Engineering Inc.	ANALOG DEVICES K.K.
PHOTRON LIMITED	Ansys Japan K.K.	ASTI Corp.
Polytec Japan	Applied Intuition Inc.	Audiokinetic K.K.
Pulstec Industrial Co., Ltd.	BETA CAE Systems Japan Inc.	Bell Energy K.K.
QMAIL	CDH-Japan Ltd.	Canon IT Solutions Inc.
Rigaku Corporation	Cybernet Systems Co., Ltd.	CATANA CORPORATION Ltd.
RION Co., Ltd.	DIGITAL PROCESS Ltd.	Chroma Japan Corp.
SAGINOMIYA SEISAKUSHO, INC.	ESI Japan Ltd.	CORNES Technologies Ltd.

Creact Corp.	● Toshiba Electronic Devices & Storage Corporation	● Betterfrost Technologies
CRI Middleware Co., Ltd.	● Toshiba Materials Co., Ltd.	● Burger Group/SBS Drivetec
Datatec Co., Ltd.	wolfSSL Inc.	● Geomate
Elektrobit Nippon K.K.	R&D/PUBLICATION/ASSOCIATION	● iNAGO Corporation
Foretellix	ARCHIVETIPS Inc.	● inMotive
Fujitsu Limited	AUTOSAR	● Innovative Automation Inc.
Green Hills Software	Dempa Publications Inc.	● Longterm Technology Services Inc.
Japan Aviation Electronics Industry, Ltd.	FOURIN Inc.	● Mold-Masters (2007) Limited
Japan Novosense Microelectronics Co., Ltd.	Hashimotoya Co., Ltd.	● Nuralogix Corporation
KYOCERA Corp.	HELTEC Co., Ltd.	● The Narmco Group
MAC SYSTEMS Corp.	IP Agent Corp.	● APMA
Melexis Japan Technical Research Center K.K.	● patsnap	Ota City Industrial Promotion Organization
Molex Japan LLC	JAPAN MOTOR-RACING INDUSTRY ASSOCIATION	QuEST Global Japan Corporation
MOVING MAGNET TECHNOLOGIES SA	● Tamachi Industries Co., Ltd.	S&P Global Mobility
● CPM	● DAIWA RADIATOR MANUFACTURING CO.,LTD.	shizuoka industrial foundation
Murata Manufacturing Co., Ltd.	● YoneshimaFelt Co., Ltd.	● NST CO., LTD.
NICHICON Corp.	● Pankl Japan LLC	● NAGAKURA MFG. CO.,LTD.
Nihon Plasmatreat Inc.	● TODA RACING Co., Ltd.	● GAUDI CO.,LTD. MISHIMA OFFICE
Nihon Synopsys G.K.	● Toray Carbon Magic Co., Ltd.	● TEIBOW CO.,LTD.
NIKON-TRIMBLE Co., Ltd.	● MOONCRAFT CO., LTD.	● METATECHNO CO.,LTD. SHIZUOKA TECHNOLOGY CENTER
Nippon Chemi-Con Corp.	● JHI Co.,Ltd.	● SUZUKI ORISHO CO.,LTD.
Nippon TV/ NTT DATA	● SCT Co., Ltd.	SmartEyeJapan Co., Ltd.
NRA Dynamics AB	● TOYOTA CUSTOMIZING & DEVELOPMENT Co., Ltd.	State of North Carolina
Nuvoton Technology Corporation Japan	● TOM'S INC.	Tebiki Inc.
Opsoc Ltd.	● DOME CO., LTD.	TOBII TECHNOLOGY K.K.
PUES Corp.	● IKEYA FORMULA CO., LTD.	UK Pavilion
Qt Group	● BRIDE CO.,LTD.	● Continental Engineering Service
RYOMO SYSTEMS Co., Ltd.	● KYOTO ENGINEERING DEVELOPMENT Co., LTD.	● Intelligent Energy
SOLIZE Corporation	● ARJ Co., Ltd.	● WAE
SONCEBOZ	● SHINKO KOGYO Co.,Ltd.	● Electric North East England
SUMIDA CORPORATION	● SHIBA LINING JAPAN Co.,Ltd.	● TotalSim
TAIYO YUDEN Co., Ltd.	Misaki Design	● Drive System Design
TDK Corp.	Netherlands Pavilion	● Pickering Test
Techno-Accel Networks Corp.	● TNO	● Beam
● WirelessCar Japan K.K.	● Holst Centre	● UK Battery Industrialisation Centre
● Cyphy-Twin Corp.	Okayama Prefecture Industrial Promotion Foundation	● Eatron
● Chintek Inc.	● SHINKO KOGYO Co., Ltd.	● Zenzic
Texas Instruments Japan Ltd.	● KAWAMURAKAKOU Co.,Ltd.	● Advanced Propulsion Centre UK
Thundersoft Japan Co., Ltd.	● TIMEC inc.	Uzabase, Inc.
● ThunderX Auto Technology Co., Ltd.	● ASTEER CO.,LTD.	Yukai Engineering Inc.
● Rightware K.K.	● SEIMITSU SPRING CO.,LTD.	
Toshiba Group	● Fujioka Engineering Co.,Ltd.	
● Toshiba Corporation	● YUASA CO.,LTD.	
● Toshiba Information Systems (Japan) Corporation	Ontario, Canada	

# ONLINE STAGE 2 EXHIBITORS LIST ☰

THE NUMBER OF EXHIBITORS

ONLINE STAGE 2 **405** exhibitors



"Alphabetical order in each category.  
\* The ""\*"" mark indicates a joint exhibitor or a group exhibitor."

AUTOMOBILE	
Hino Motors, Ltd.	DENSHIJKI INDUSTRY Co., Ltd.
Honda Motor Co., Ltd.	DENSO Corp.
ISUZU MOTORS LIMITED	DIAMET CORPORATION
Mazda Motor Corporation	FALTEC Co., Ltd.
Mitsubishi Motors Co., Ltd.	Fiem Industries Limited
Nissan Motor Co., Ltd.	FTS Co., Ltd.
SUBARU Corp.	FUJISOFT Inc.
Suzuki Motor Corp.	FUKUJU INDUSTRY CO.,LTD
TOYOTA AUTO BODY Co., Ltd.	FURUKAWA ELECTRIC Co., Ltd.
Toyota Motor Corp.	GLOBETECH Inc.
UD Trucks Corp.	Harxon Corporation
	HASHIBA INTERNATIONAL Inc.
PARTS	
A2Mac1 Japan Ltd.	HEISHIN Ltd.
AikoSpring Co., Ltd.	HIROSE ELECTRIC Co., Ltd.
AISIN Corporation	HONDA TSUSHIN KOGYO Co., Ltd.
ALTIA Co., Ltd.	HORI GLASS Co., Ltd.
Biko Industry Co., Ltd.	HOTTY POLYMER Co., Ltd.
Caillau Ltd.	Hyundai Pavilion
Correns Corporation (WAFIOS/PST/L+R)	● KUM HO INDUSTRIAL
CPE ELECTRONICS Co., Ltd.	● DAE YOUNG MACHINERY
CWB Electronics Japan Co., Ltd.	● NS WORLD
Daidometal Co., Ltd.	● BIOLIGHT
DAIICHI JITSUGYO Co., Ltd.	● HMG OFFICE
Dai Nippon Printing Co., Ltd.	● ENA INDUSTRY
Daitron Co., Ltd.	● DAS
Dana Japan, Ltd.	● SANYANG RUBBER
	● TESK
	● SJF
	● KOREA LOST-WAX
	● G-Max
	● SENSORTEC
	● DAEYANG TECH
	● AFS
	● DKS
	● DAOU PRECISION IND.
	● BONG IL METAL
	● GWANG SHIN GEAR
	● HYUNDAI POLYTECH
	● HYLIUM INDUSTRIES
	Hyundai Polytech
	● Dongil Machinery
	iFLYTEK Automotive Japan Co., Ltd.
	igus K.K.
	illumination Co., Ltd.
	indie Semiconductor Japan K.K.
	Institute for Information Industry(III)
	IRISO Electronics Co., Ltd.
	JOMESA Japan K.K.
	Kaminashi Inc.
	KASAI KOGYO Co., Ltd.
	KATO SEISAKUSHO Co., Ltd.
	Kawasaki Industrial Co., Ltd.
	KEEPER Co., Ltd.
	KEL Corp.

## EXHIBITORS LIST

Kimura Foundry Co., Ltd.	● MATIX Co., Ltd.	Witzenmann Japan K.K.
● Laubinger + Rickmann	● SEKISO Co.Ltd.	Yamada Manufacturing Co., Ltd.
KITAGAWA INDUSTRIES Co., Ltd.	● Kanuc Co.Ltd	YOKOI HD Co., Ltd.
Knorr-Bremse Commercial Vehicle Systems Japan Ltd.	● ASAHİ TEKKO CO.,LTD.	<b>MATERIALS</b>
Knowles Electronics Japan K.K.	Nissin Manufacturing Co., Ltd.	ACHILLES Corp.
KOIWAI Co., Ltd.	NITTOSEIKO Co., Ltd.	AGC Inc.
Komine Musen Denki Co., Ltd.	NIX, Inc.	Aica Kogyo Co., Ltd.
Kurashiki Kako Co., Ltd.	OGAWA INDUSTRY Corp.	ARKEMA
kurimoto Co., Ltd.	Okazaki Manufacturing Company Co., Ltd.	Asahi Kasei Corp.
KYOWA KOGYO Co., Ltd.	Osaka Forming Co., Ltd.	ATG Hand Care (Pvt) Ltd.
LCA Plus-Mitsui & Co.,LTD.	OTSUKA SEIKO Co., Ltd.	Chemicals Evaluation and Research Institute, Japan
Leaner Technologies Inc.	QMS Co., Ltd.	Covestro Japan Ltd.
Manufacturing Support Center Shimosuwa	Resonac Corporation	DJK Corp.
● CERIOTEC CO.,LTD	RHYTHM Co., Ltd.	DuPont Japan K.K.
● Yamato Denki Ind Co.,Ltd	Saint-Gobain K.K.	Envalior Japan K.K.
● INGS SHINANO Co.,Ltd.	SANEI Industries Co., Ltd.	FUJIMORI Kogyo Co.,Ltd.
● NAGANO HIDAKA Co. Ltd.	SANJO MACHINE WORKS, Ltd.	GUNZE LIMITED
● ITO PARTS INDUSTRY CO .,LTD.	Sanshu Wire-Harness Co., Ltd.	Hangzhou Magnet Power Technology Co., Ltd.
● Kyoshin Seiko Co.,Ltd.	SANWA SEIKI Ltd.	Henkel Japan Ltd.
Martinrea	SHENZHEN HOVERBIRD ELECTRONICS TECHNOLOGY Co., Ltd.	KOBELCO GROUP
Maxell, Ltd.	SHIGERU Co., Ltd.	KURARAY Co., Ltd.
MD Electronics	● IBUKI Inc.	KYORITSU ELEX Co., Ltd.
METALART Corp.	SJM Co., Ltd.	LINTEC Corp.
Miba Precision Components (China) Co., Ltd.	SMT Japan	Midori Auto Leather Co., Ltd.
MICRO FASTENERS Co., Ltd.	Stueken JAPAN	Mitsubishi Chemical Corp.
MinebeaMitsumi Inc.	Sumitomo Electric Industries Ltd.	Mitsui Chemicals Inc.
mitec	SWCC Corp.	Oji Holdings Corp.
Mitsuboshi MFG Co., Ltd.	TACHI-S Co., Ltd.	Pro-pure Incorporation
Mouser Electronics Inc.	Taiho Kogyo Co., Ltd.	SABIC
● YAGEO Group	TAIYO MANUFACTURING Co., Ltd.	San Fang Chemical Industry Co., Ltd.
● Nisshinbo microdevice	Takatori Corp.	SEKISUI CHEMICAL Co., Ltd.
● Vicor	Tamachi Industries Co., Ltd.	Sumitomo Chemical Co., Ltd.
● Nippon Chemicon	TE Connectivity	TATSUTA ELECTRIC WIRE & CABLE CO., LTD.
● Bourns Inc	TODA RACING Co., Ltd.	TOPPAN Co., Ltd.
● Analog Devices, Inc.	TOKAIKOGYO CO., LTD.	Toray Industries, Inc.
Musashi Engineering Inc.	● Kaseikogyo Co., Ltd.	TOYO DRILUBE Co., Ltd.
NHK spring Co., Ltd.	● ADO Co.,Ltd.	TOYO MORTON Co., Ltd.
Nippon Cannon Inc.	TOKIN Corp.	UACJ Corp.
Nippon Donaldson, Ltd.	TOP Co., Ltd.	VisasQ Inc.
Nippon Light Metal Group	Topia Co., Ltd.	Zeon Corp.
Nippon Tanshi Co., Ltd.	TPR Co., Ltd.	<b>TESTING</b>
Nippon Vinyon Co., Ltd.	TRIS Inc.	A&D Co., Ltd.
NISHIO CITY	Union Gosei Co., Ltd.	ADVANTEST Corp.
● Ohno Seiko Co.,Ltd.	UNIVANCE Corp.	Allion Japan Inc.

ATESTEO Japan K.K.	Myway Plus Corp.	VBOX JAPAN Inc.
AutoTechnicJapan Co., Ltd.	nac Image Technology Inc.	WINDHILL Technologies Co., Ltd.
Carl Zeiss Co., Ltd.	NFC Forum / Fime Japan	WIZAPPLY Co., Ltd
Chemitox Inc.	NIKKO TECNO CO., INC.	Yamamoto Scientific Tool Laboratory Co., Ltd.
CLEARIZE Co., Ltd.	● LINNENBRINK TECHNIK WARBURG MASCHINENBAU GMBH	<b>CAE SOLUTIONS</b>
DEWEJapan Co., Ltd.	NIPPO CORPORATION	Ansys Japan K.K.
DITECT Corp.	Nobby Tech. Ltd.	Applied Intuition Inc.
Easy-Measure Co., Ltd.	OCTEC Inc.	ASSIST ENGINEER Co., Ltd.
Enable Inc.	Ono Sokki Co., Ltd.	Basemark Oy
EVIDENT Corp.	Oxford Instruments K.K.	BETA CAE Systems Japan Inc.
Fime Japan / Zimperium	PHOTRON LIMITED	CDH-Japan Ltd.
FT TECHNO Co., Ltd.	Physix Technology Inc.	Dell Technologies Japan Inc.
Fuji Ceramics Corporation	● TechnoTeam Bildverarbeitung GmbH	FORUM8 Co., Ltd.
Fuji Technical Research Inc.	Polytec Japan	FOUNDATION FOR COMPUTATIONAL SCIENCE
fukuda Co., Ltd.	Pulstec Industrial Co., Ltd.	FsTech Inc.
GAFS Co., Ltd.	QMAIL	GENIO Solutions Co., Ltd.
Gailogic Corp.	Rigaku Corporation	GeoTechnologies Inc.
HORIBA, Ltd.	RION Co., Ltd.	IDAJ Co., Ltd.
Humanetics Innovative Solutions Japan K.K.	SAGINOMIYA SEISAKUSHO, INC.	Integral Technology Co., Ltd.
IR System Co., Ltd.	SANKO Co., Ltd.	NewtonWorks Corp.
ITK Engineering Japan Inc.	● TUV Rheinland Japan Ltd.	NTT DATA Automobiligence Research Center Ltd.
Japan Electric Meters Inspection Corporation	● NOISE LABORATORY CO.,LTD.	Realis Simulation Inc.
Japan Quality Assurance Organization	● FTS., LTD.	rFpro Limited
JFE TECHNO-RESEARCH Corp.	● HAKARU PLUS CORPORATION	RICOS Co., Ltd.
KEYCOM Corp.	● Software Research Associates, Inc.	Satyam-Venture Engineering Services Private Limited
KIKUSUI ELECTRONICS Corp.	● aptpod, Inc.	SCSK Corp.
KYOWA ELECTRONIC INSTRUMENTS Co., Ltd.	Sanyo Trading Co., Ltd.	SCTM Engineering Corp.
Laser Measurement Corp.	SGS Japan Inc.	Stratasys Japan
Leader Electronics Corp.	SHIMADZU Corp.	Terrabyte Co., Ltd.
Loccioni Japan Co., Ltd.	● Shimadzu Techno-Research, Inc.	<b>CAR ELECTRONICS</b>
Marubeni Information Systems Corp.	STRINGO Co., Ltd.	Advanced Data Controls Corp.
● Cybellum Technologies LTD.	SYSTEM PLUS Inc.	Amphenol Japan Ltd.
Marubun Corp.	TAKASAGO, Ltd.	ANALOG DEVICES K.K.
MEIDENSHA Corp.	Tec Gihan Co., Ltd.	ASTI Corp.
MEIJI ELECTRIC INDUSTRIES Co., Ltd.	TECHMATRIX Corp.	Audiokinetic K.K.
● Aixtal Co.,Ltd.	TECNOS Co.,Ltd.	Bell Energy K.K.
● Anton Paar Japan K.K.	TESCO Corp.	Canon IT Solutions Inc.
● s.t.japan inc.	TOKYO BOEKI TECHNO-SYSTEM Ltd.	Chroma Japan Corp.
● ORIX Rentec Corporation	Tokyo Measuring Instruments Laboratory Co., Ltd.	CRI Middleware Co., Ltd.
● Kawasaki Trading Co., Ltd.	TOYO Corp.	DynaComware Corporation
● KEN AUTOMATION INC.	Toyota Technical Development Co., Ltd.	Green Hills Software
● Comet Technologies Japan K.K	TSURUGA ELECTRIC CORPORATION	Harada Vehicle Design Co., Ltd.
● TANIDA LTD.	UL Japan Inc.	ION TECHNOLOGY CENTER Co., Ltd.
● Yokogawa Test & Measurement Corporation	UNIPULSE Corp.	Japan Aviation Electronics Industry, Ltd.

## EXHIBITORS LIST

MAC SYSTEMS Corp.	● MAMIYA KANAGATA CO.,LTD
● IWATSU ELECTRIC CO.,LTD.	Hashimotoya Co., Ltd.
● SMFL Rental Company, Limited	HELTEC Co., Ltd.
● KUSUMOTO CHEMICALS,LTD.	JASCO INTERNATIONAL Co., Ltd.
● SEKISUI CHEMICAL CO., LTD.	Kawamura International Co., Ltd.
● Daiwa Can Company	Misaki Design
● DTS INSIGHT CORPORATION	QuEST Global Japan Corporation
● TEXIO TECHNOLOGY CORPORATION	S&P Global Mobility
● Teledyne LeCroy	Skydisc, Inc.
● Japan Novel Corporation	Tebiki Inc.
● HIOKI E.E. CORPORATION	Tokyo Metropolitan Industrial Technology Research Institute
● YURIDENSHIBUHIN CO., LTD.	Uzabase, Inc.
● Rohde & Schwarz Japan	YOLE GROUP
● AVSimulation	<b>START UP</b>
● TOKYO SEIMITSU CO., LTD.	AIHARA Lab. Hosei University
Murata Manufacturing Co., Ltd.	CARBON FLY Inc.
NICHICON Corp.	Elephantech Inc.
Nihon Synopsys G.K.	Kognic AB
Nippon TV / NTT DATA	LEAN PATH Inc.
NRA Dynamics AB	MARK ABILITY CORPORATION
Nuvoton Technology Corporation Japan	Motion Lib,Inc.
Opsoc Ltd.	PatSnap Pte. Ltd.
PUES Corp.	RENATA MECHATRONICS PRIVATE LIMITED
Qt Group	SiB Co., Ltd.
SOLIZE Corporation	TRANSMIT Co., Ltd.
TAIYO YUDEN Co., Ltd.	Xenoma Inc.
Techno-Accel Networks Corp.	
TEN Corporation	
● Connect Co., Ltd	
Texas Instruments Japan Ltd.	
Toshiba Electronic Devices & Storage Corp.	
Thundersoft Japan Co., Ltd.	
<b>R&amp;D/PUBLICATION/ASSOCIATION</b>	
AIR WATER INC.	
ARCHIVETIPS Inc.	
Correns Corporation (Doss Visual Solution)	
● Doss Visual Solution	
DAD Co., Ltd.	
DeepL Jpan G.K.	
Gifu Prefecture	
● CENTRAL FINE TOOL CO.,LTD	
● TOBA KOSAN CO.,LTD	
● NAKAHYO CO.,LTD	





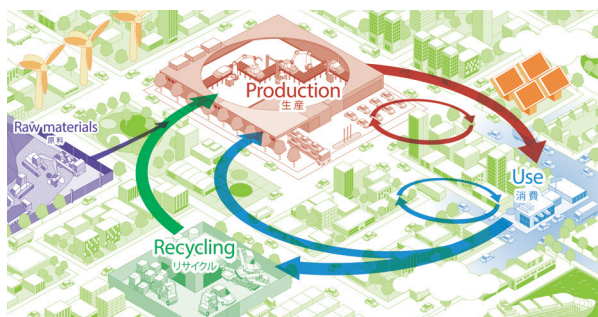
## Gathering the collective wisdom of the automotive industry for carbon neutrality and the recycling-oriented society of the future.

As we face up to “The triple planetary crisis” of climate change, biodiversity loss, and pollution, we have been reminded that the planet is a finite resource. Over the past few years, Japan and many other countries and regions around the world have begun to accelerate their efforts toward achieving carbon neutrality by 2050 and realizing a sustainable economy through changing and improving the nature of society. The keys to these efforts are creative collaboration and the circular economy.

To successfully implement these efforts, we must move on from the conventional linear process of resource exploitation, manufacturing, and disposal, to a socially oriented circular system focused on the 4Rs, which supplements the well-known concept of the 3Rs (reduce, reuse, and recycle) with a fourth “R”: renewable. The realization of a socially oriented circular system is not simply a question of recycling waste. Each and every one of us must shift our value standards toward responsible manufacturing and responsible use. Progress toward decarbonization that focuses on the whole vehicle lifecycle depends on us questioning conventional wisdom, looking at things from new perspectives, and taking on the challenges involved through a process of creative collaboration with new partners.

We must ask ourselves, “What technologies will make people and the world happy?” and work to build new value chains with these partners. We hope that everyone involved in the world of cars can meet at the Automotive Engineering Exposition 2024 and showcase our collective wisdom.

## Realizing a sustainable circular society through technological progress and new standards of values!

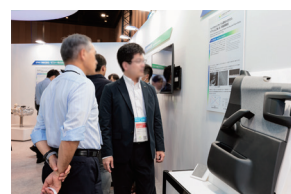
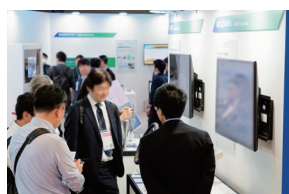
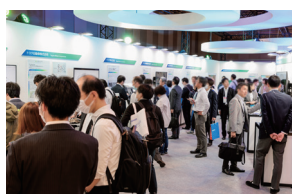


Over the past year, efforts related to automotive resource recycling have gained increasing momentum on a global basis, especially in Europe. Examples include new proposals for more stringent end-of-life vehicle (ELV) regulations affecting vehicle design and scrapped vehicle management, and the implementation of battery regulations covering the whole lifecycle from battery material procurement to the design and production processes, re-use, and recycling. In contrast, although the vehicle recycling rate in Japan is reported to be 99%, this includes thermal recycling that simply re-uses the heat generated by burning those recycled materials. As approximately 60% of plastic materials are

thermally recycled, we need to reduce this rate and return more materials to circulation. This year's Yokohama exposition puts the spotlight on material and chemical recycling technologies, focusing on plastics. Through this exposition, our goal is to create an ideal forum for the whole industry to come together and consider the nature of sustainable resources to help achieve a recycling-oriented circular society.

### Exhibit collaborators and organizations

DENSO CORPORATION / Honda R&D Co.,Ltd. / JATCO Ltd. / Kobe Steel, Ltd. / Mazda Motor Corp. / REVER CORPORATION / Saitama Prefecture (I'll Clean-Tech CO.,LTD / Um-Welt Japan CO.,LTD / ECO KEIKAKU CO.,LTD / ORIX Environmental Resources Management Corporation / Environment Service CO.,LTD / TSUNEISHI KAMTECS CORPORATION / YAMANAKA CO.,LTD / YORII COMPOST CORPORATION) / SUBARU corporation / Sumitomo Chemical Co., Ltd. / Toray Industries, Inc. / TOYOTA AUTO BODY CO.,LTD. / Toyota Motor Corporation / Yamaha Motor Co., Ltd. / ZEPHYR CORPORATION (in alphabetical order)



Archive streaming was available from Wednesday, May 29 to Wednesday, June 5.  
Streaming for JSAE members only was available from Thursday, June 6 to Friday, June 14.

## JSAE Special Presentations

Presentations were held based on the exposition theme set by the JSAE.

### The circular economy in the GX era

#### Yasuhiro Yoshikawa

Deputy Director, Industrial Science and Technology Policy and Environment Bureau  
Resource Efficiency and Circular Economy Division, Ministry of Economy, Trade and Industry

### Resource recycling trends affecting the global automotive industry

#### Shohei Sano

Consultant, Sustainability Consulting Division 2  
Mizuho Research & Technologies, Ltd.

### Future ISO-centric activities toward carbon neutrality

#### Atsushi Inaba

President  
Japan Life Cycle Assessment Facilitation Centre

### Material recycling processes for achieving carbon neutrality

#### Toshiaki Yoshioka

Professor, Graduate School of Environmental Studies  
Tohoku University

### Resource circulation toward realization of zero environmental impact

#### Wataru Taga

General Manager, Corporate Business Development Unit, Resource Circulation Planning Division Corporate Strategy Operations,  
Honda Motor Co.Ltd

### Initiatives by a part manufacturer toward realizing a circular society

#### Masashi Kiyono

Senior Director, Research & Development Center  
DENSO CORPORATION

## Chief Engineer Presentations

Vehicle developers describe the passion and dedication they bring to carmaking.

### Mazda MX-30Rotary-EV - Heritage meets electrification -

#### Wakako Uefuji

General Manager, EV Production Engineering Dept.  
Mazda Motor Corporation



### Stories from the development of the redesigned Alphard and Vellfire

#### Takahiro Sugama

General Manager, ZH Product Planning, TOYOTA AUTO BODY CO.,LTD.  
ZH CV Product Planning, TOYOTA MOTOR CORPORATION



### Photographs from the presentations



JSAE Special Presentations / Yasuhiro Yoshikawa



Chief Engineer Presentations / Wakako Uefuji



Chief Engineer Presentations / Takahiro Sugama





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### Using our knowledge, skill, and craftsmanship to realize a circular society across the whole value chain!



The Nagoya exposition showcases the creative collaboration between the automotive industry and a wide range of new partners to help realize a circular society across the whole value chain. Using “circular” as a key word, Nagoya features exhibitions about the calculation of greenhouse gas (GHG) emissions throughout the vehicle life cycle, effective methods of traceability for reducing our carbon footprint and reusing resources, and technologies adopted by various industries to recover and sort resources from end-of-life vehicles. We hope that this will be the ideal forum for the whole industry to come together and consider how we can use our knowledge, skill, and craftsmanship to help achieve a circular society.

#### Exhibit collaborators and organizations

DENSO CORPORATION / Honda R&D Co.,Ltd. / JATCO Ltd / Mazda Motor Corporation / MITSUBISHI ELECTRIC CORPORATION / Shizuoka University / SOLIZE Corporation / Suzuki Motor Corporation / TBM Co., Ltd. / Tokoro Laboratory, Waseda University / Toray Industries, Inc. / TOYOTA AUTO BODY CO.,LTD. / Toyota Motor Corporation / TOYOTA TSUSHO CORPORATION / Uchiyama Manufacturing Corp. / ZEPHYR CORPORATION / Zeroboard Inc. (in alphabetical order)



Archive streaming was available from Wednesday, July 24 to Wednesday, July 30.  
Streaming for JSAE members only was available from Thursday, August 1 to Friday, August 9.

## JSAE Special Presentations

Presentations were held based on the exposition theme set by the JSAE.

Wed., July 17	11:00   12:00	<b>The Fifth Basic Circular Society Plan and latest trends in vehicle-related policies</b> <b>Momoko Yuyama</b> Deputy Director Environment Regeneration and Resource Circulation Bureau Office for Recycling Promotion, Policy and Coordination Division, Ministry of the Environment, Government of Japan
	11:00   12:00	<b>Strategy for developing dismantling and separation technologies and processes to support the circular economy</b> <b>Chiharu Tokoro</b> Professor Faculty of Science and Engineering Faculty of Engineering Waseda University The University of Tokyo

## Autonomous Driving Presentations

Presentations were held on the theme of autonomous and automated driving.

Thu., July 18	11:00   12:00	<b>Mobility innovation: social implementation and the future of autonomous driving</b> <b>Yoshihiro Suda</b> Professor Advanced Mobility Research Center, Institute of Industrial Science (IIS) & Mobility Innovation Collaborative Research Organization (UTmobl) University of Tokyo
	13:30   14:30	<b>The impact of autonomous driving on cities</b> <b>Takayuki Morikawa</b> Designated Professor Global Research Institute for Mobility in Society Nagoya University
	16:00   17:00	<b>The promotion of autonomous driving and the Aichi Digital Island Project</b> <b>Etsuko Uehara</b> Assistant Director Next Generation Industry Section Aichi Prefectural Government

## JSAE Chubu Branch Special Presentations

Presentations were carried out by the Chubu Branch of the JSAE.

Wed., July 17	10:00   11:00	<b>Development of mobility systems to facilitate the more effective use of Evs</b> <b>Kinya Nakatsu</b> Distinguished Researcher R&D Group Hitachi, Ltd.
	16:00   17:00	<b>Digitalization of forestry-related information and CO2 absorption amounts</b> <b>Kazukiyo Yamamoto</b> Professor Graduate School of Bioagricultural Sciences Nagoya University

## Special Presentations about Technological Development

Available online only: Special presentations were held in which vehicle developers described the passion and dedication they bring to carmaking.

### The 16th generation Crown

1. History of "Innovation" and "Challenge"
2. Development of the 16th Generation CROWN
3. Interview with the Developers of CROWN "CROSSOVER"
4. Development of CROWN "SPORT"
5. Development of CROWN "SEDAN"
6. "Company System" and "TNGA"



**Ryotaro Shimizu**  
Chief Engineer  
Mid-size Vehicle Company,  
Toyota Motor Corporation



## Exhibitors Seminar

Exhibitors provided detailed information about their products, technologies, and company/industry through 30-minute presentations.

● ONLINE STAGE 1 ● ONLINE STAGE 2

Title		Exhibitors Name
ATESTEO Online Seminar BYD Yuan Plus Benchmarking	● ●	ATESTEO Japan K.K.
E2B 10BASE-T1S Ethernet to the Edge Connectivity	● ●	Analog Devices, Inc.
3D Scan and Measurement solution for Automotive Industry	●	Ametek Co., Ltd.
Development of R744(CO2) air conditioning system flexible metal hose	● ●	Witzenmann Japan K.K.
Introduction to AVL Lab Management™	●	AVL JAPAN K.K.
Digitalization and carbon neutralization of benchmarking activities in automotive development	● ●	A2Mac1 Japan
The latest scenario of global light vehicle production market toward 2035	● ●	S&P Global Mobility
Introduction of MASTA's gear geometry optimisation tool	● ●	SMT Japan
The Importance and Challenges of Concurrent Engineering in Digital Transformation	● ●	SCSK Corporation
Towards the realisation of high-quality plastic parts Plastic molding process simulation	● ●	
Data-driven Material Development for Circular Economy	● ●	
ToffeeX: CAE for Cooling Design / Case Study by SOLIZE.	● ●	
Steering sensors: Enhancing safety & stray field immunity with next-gen technology	●	MMT (MOVING MAGNET TECHNOLOGIES SA)
"Luminance" and OCTEC products for advanced indoor experiments	● ●	OCTEC INC.
Introduction of acoustic power level measurement system to assist noise reduction of next-generation mobility	● ●	Ono Sokki Co., LTD.
NOVOSENSE Automotive Solution Introduction	●	Japan Novosense Microelectronics co., Ltd.
Proposal of traceable test management system for legal authentication	● ●	TOYO Corp.
What can Synopsys optical products do for automotive applications?	● ●	Nihon Synopsys G.K.
Automotive SoC Design for Digital Twin Architecture and Early SW Development	● ●	
Automotive SW Development for Digital Twin Virtual Vehicle and Embedded SW Testing	● ●	
Key Points for Protecting Personal Information in the Use of Video Images : Anonymization by BlurOn	● ●	Nippon TV / NTT DATA
400V-800V high-efficiency voltage conversion for electric vehicles with Vicor's latest power module	● ●	Vicor K.K.
Achieving EM conducted emission compliance for HV conversion with switching frequency above 1.3MHz	● ●	
Leveraging the knowledge of over 600,000 people! Key Points for Utilizing Primary Information for R&D	● ●	VisasQ Inc.
Unlocking Possibilities: ETQ and Tset by Hexagon - Next-Gen Enterprise Solutions	●	HEXAGON
Automation System "STARS" Contributes to the Realization of a Multi-pathway Strategy	● ●	HORIBA, Ltd.
Next generation PEMS with IRLAM™ measurement technology	● ●	
Application of Drive Robot for Electric Vehicle Validation	● ●	MEIDENSHA Corp.

(Exhibitors listed in Japanese alphabetical order.)



## Technical Information Briefings

These briefings consist of short (3- to 5-minute) videos focusing on the details of technologies and products on display at the Exposition via interviews with key people, scenes of the products in action, and so on.

● ONLINE STAGE 1 ● ONLINE STAGE 2



AVL JAPAN K.K.



S&P Global Mobility



SCSK Corp.



Ono Sokki Co., Ltd.



Ontario, Canada



KANEKA Corp.



Schaeffler Japan Co., Ltd.



SEKISUI CHEMICAL Co., Ltd.



Daitron Co., Ltd.



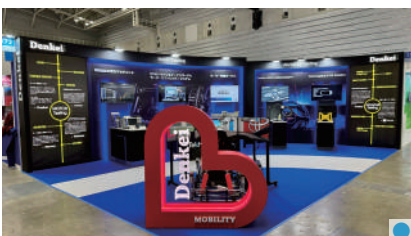
Dai Nippon Printing Co., Ltd.



TOYOTA BOSHOKU Corp.



NSK Ltd.



Nihon Denkei Co., Ltd.



NewtonWorks Corp.



FURUKAWA ELECTRIC Co., Ltd.



Honda Motor Co., Ltd.



MEIJI ELECTRIC INDUSTRIES Co., Ltd.

(Exhibitors listed in Japanese alphabetical order.)

# 人とくるまのテクノロジー展 2025 ONLINE

## Automotive Engineering Exposition 2025 ONLINE

### ONLINE STAGE 1

2025  
**5/14** wed.      ———>      2025  
**6/4** wed.

### ONLINE STAGE 2

2025  
**7/9** wed.      ———>      2025  
**7/30** wed.

Details coming soon

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## 人とくるまのテクノロジー展 2024 ONLINE

*Automotive Engineering Exposition 2024 ONLINE*

### 【Organizer】

 Society of Automotive Engineers of Japan, Inc. (JSAE)

<Inquiries about the content of the expositions or this report>

### 【Exposition Management Coordinator】

Taiseisha Ltd.

Shintomi Mihama Bldg., 6F, 1-15-3 Shintomi, Chuo-ku, Tokyo 104-0041 Japan

✉ [exhib-expo@taiseisha.co.jp](mailto:exhib-expo@taiseisha.co.jp)

🌐 <https://aee.expo-info.jsae.or.jp/en/>