


THE **BATTERY** SHOW
EUROPE 2019

 **electric
& hybrid**
vehicle technology expo

europe
2019

3rd Annual

Post-Show Report

7 – 9 May 2019 // Stuttgart, Germany

10,813
attendees

72%
increase in
attendance on 2018

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ENERGY

Rockwell
Automation

VOLTABOX

 **Digatron**
power electronics



Battery and H/EV business boosted at Europe's largest industry event

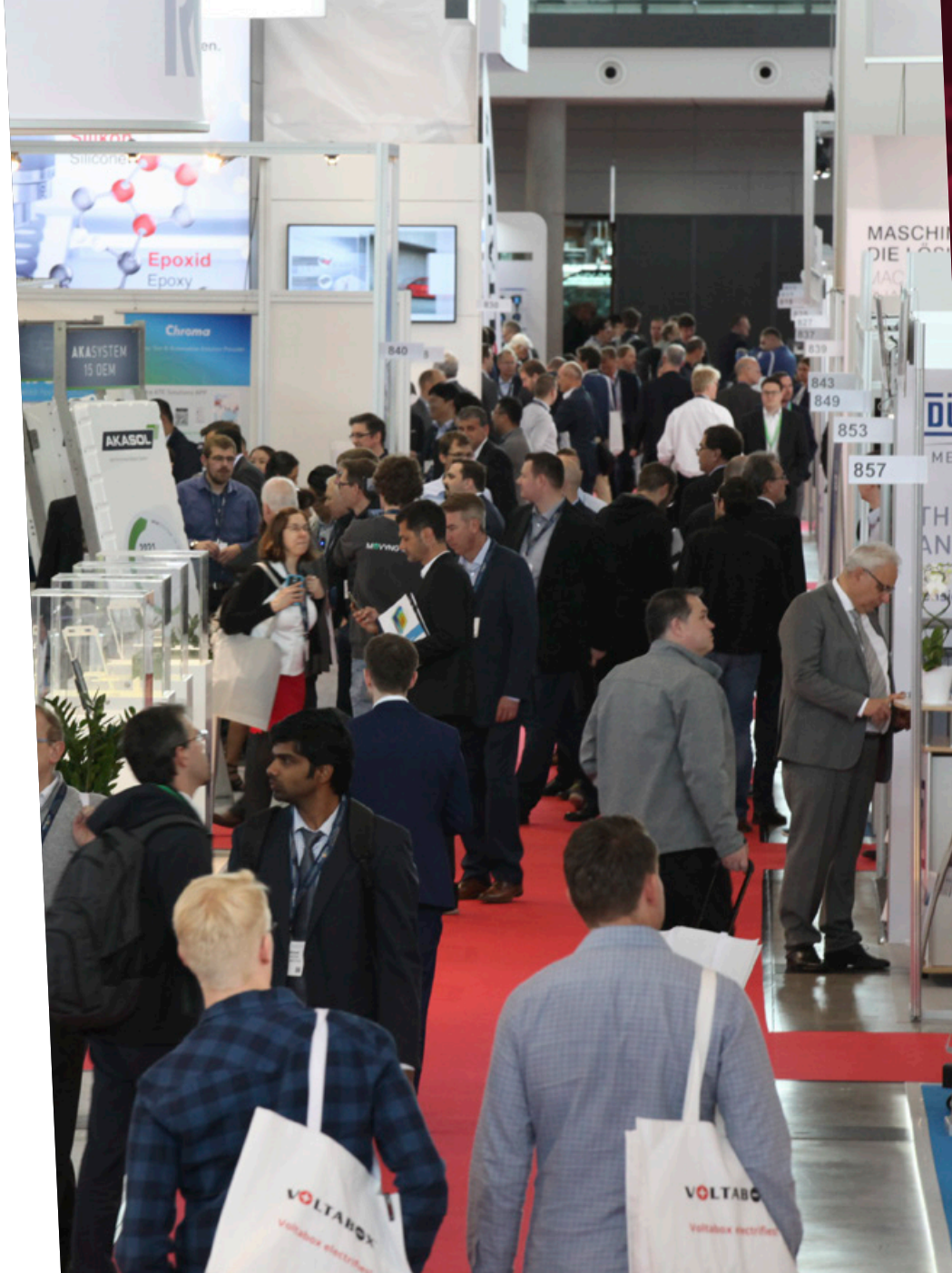
The Battery Show Europe and Electric and Hybrid Vehicle Technology Expo has now concluded in Stuttgart, where almost 11,000 industry players gained first-hand insights of the innovative technology pioneering battery and H/EV development.

Hosting more than 498 exhibitors, The Battery Show introduced some of the industry's most recognisable names showcasing the full suite of battery and BMS solutions, while EV exhibitors offered unique technologies that are enhancing the global vehicle electrification market.

Exhibitors participating in the Product Showcase attracted huge interest from onlookers who were keen to find out more about cutting-edge technologies such as:

- **Voltabox**'s next generation of lithium titanite-powered, liquid-cooled high-voltage battery systems for use in buses at its huge 130sqm stand.
- **Siemens** AG demonstrated how the battery industry can increase efficiency with its portfolio of cutting-edge global automation solutions.
- **Dukosi** presented a new cell monitoring system that accurately measures the voltage, temperature and current of each battery cell, allowing for advanced diagnostics and state-of-charge calculations.
- **3M** impressed with a demonstration of its thermal conductive gap filler systems for EV batteries and powertrains.
- **Henkel**'s stand also proved popular, where the company demonstrated its new silicone-free, two-part, cure-in-place liquid gap filler.
- **Elaphe** wowed with an announcement that it is to begin production of the world's highest-performance in-wheel hub motor – a gearless, direct-drive motor that seamlessly integrates into existing EVs.

The exhibition raised the bar and covered everything from the familiar to the solutions of tomorrow – an exciting world of artificial intelligence, automation and robotics.



"We've been extremely impressed with the quality of the leads, and people that have attended, it's been much greater than we expected, so thank you very much. It's been a great event."

William Sarver, Senior Global Industry Consultant, Automotive & Tire, Rockwell Automation

"OEMs, the suppliers, machine suppliers, chemical suppliers; all of them are here. In two days, you can accomplish a lot more than what you would do otherwise in multiple meetings."

Anil Srivastava, CEO, Leclanché

"We've been busy at all times with customers, partners, and sealing new collaborations. So, it's really a great event. It's the unmissable event in the industry for us."

Eugenio Toccalino, Global Strategic Marketing VP, Transportation & Advanced Polymers, DuPont



The EV track boasted a programme that extensively examined next-generation technology for hybridisation, e-motor developments and powertrain efficiency in EVs.


Highlights from the EV track included:

- **Rolls Royce** presentation on the challenges of battery technology in the aerospace industry.
- **Ford's** presentation on how 48V technology has become the company's main building block.
- **Volvo** on its experience with electrification of public transport in Luxembourg, which covered comparative studies, zone management systems and the evolution of charging flexibility.
- **Fraunhofer's** presented a comparative study on cells for automotive applications.
- **Lion Smart** unveiling a striking new design where smart cells are combined into a parallel supercell, and a dedicated session on optimising automotive battery technology design.

Meanwhile, the two battery tracks tackled everything from battery application market trends, raw materials forecasting and extending battery life to preventing thermal runaway, pushing the limits of lithium-ion cell development and the technology readiness level of innovative battery technologies.

The conference schedule was complemented by a series of pre-conference workshops, which deep dived into fast-charging and XFC infrastructure, as well as V2G technology. Organisations including Henkel, Siemens and Imperial College London took part, speaking on subjects ranging from designing battery packs for lighter-weight sports cars to the specifics of enabling V2X bidirectional charging.

With visitor numbers growing by a phenomenal 72 per cent year-on-year, attendees benefit immeasurably from an expanding exhibition boasting a jam-packed exhibition floor, ever-higher footfall – meaning greater networking opportunities – and global scope covering the best and most original solutions for the battery and H/EV markets. Next year's edition takes place in Stuttgart, Germany, 28-30 April.



“The show this year has been fantastic. The amount of leads that we’ve generated, the amount of visitors we’ve had has been exponentially bigger than last year.”

Jim Greig, Global Director of Business Development and Sales, Electrification Solutions, Lord Corporation



“The Battery Show really is a great opportunity to meet people from a very high-quality level in terms of industry; in terms of companies; in terms of technology.”

**Bruno Samaniego,
Engineering Integration,
Airbus Defence and Space**



Facts & figures

10,813
attendees

498
exhibiting
companies

666
conference
delegates

82
countries in
attendance

72%
increase in
attendance vs
2018

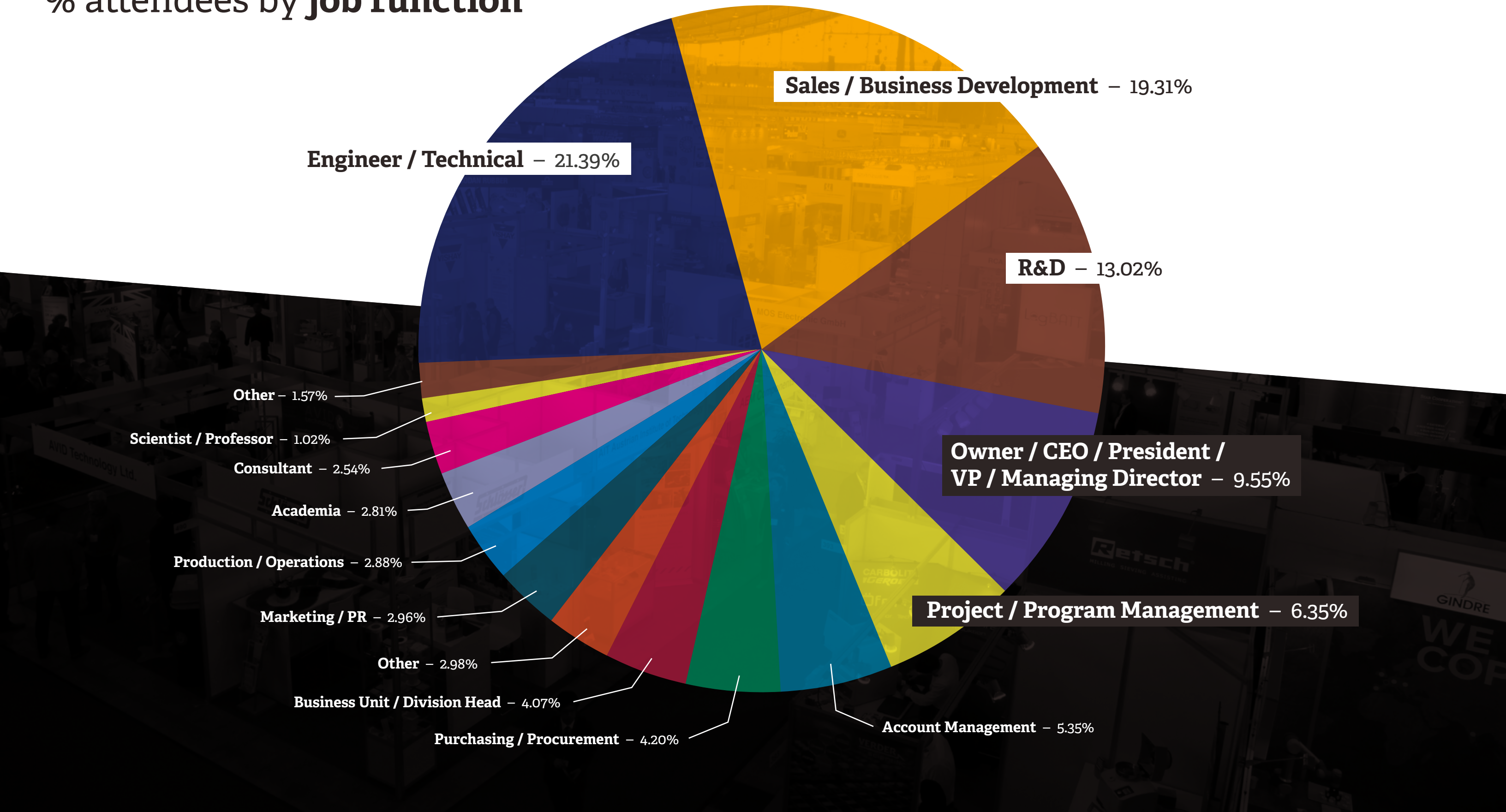
Key companies in attendance

3M	Johnson Controls
A123 Systems	Leclanché
ABB	LG Chem
Airbus	LG Electronics
AKASOL	MAN Truck & Bus
Alexander Dennis	Mazda Motor Europe
Audi AG	McLaren Automotive
Avery Dennison	Mercedes Benz
BMW	Mitsubishi
BMZ	NASA Johnson Space Center
BorgWarner	Northvolt
Bosch	Opel Automobile
CATL	P3 Group
Continental	Panasonic
DAF Trucks	Philips
Daimler	Porsche
Dana	Saft
Dyson	Samsung SDI
East Penn Manufacturing	SEAT
E.ON	Siemens
Faraday Future	Toshiba Corporation
Ferrari S.p.a	Toyota Motor Europe
Ford	Volkswagen
General Motors	Volvo
Honda	
Infineon	
Jaguar Land Rover	

Facts & figures

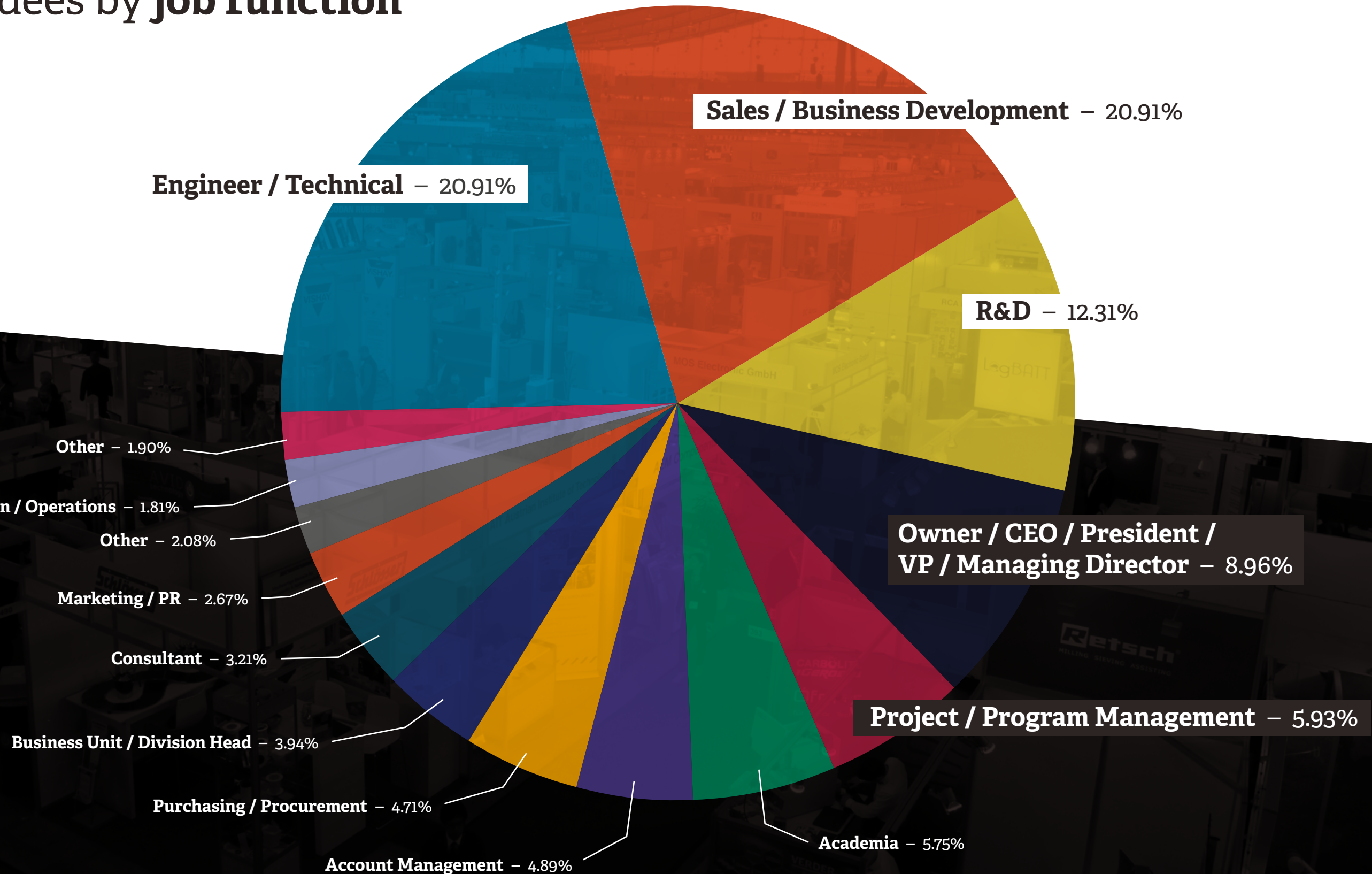
% attendees by job function

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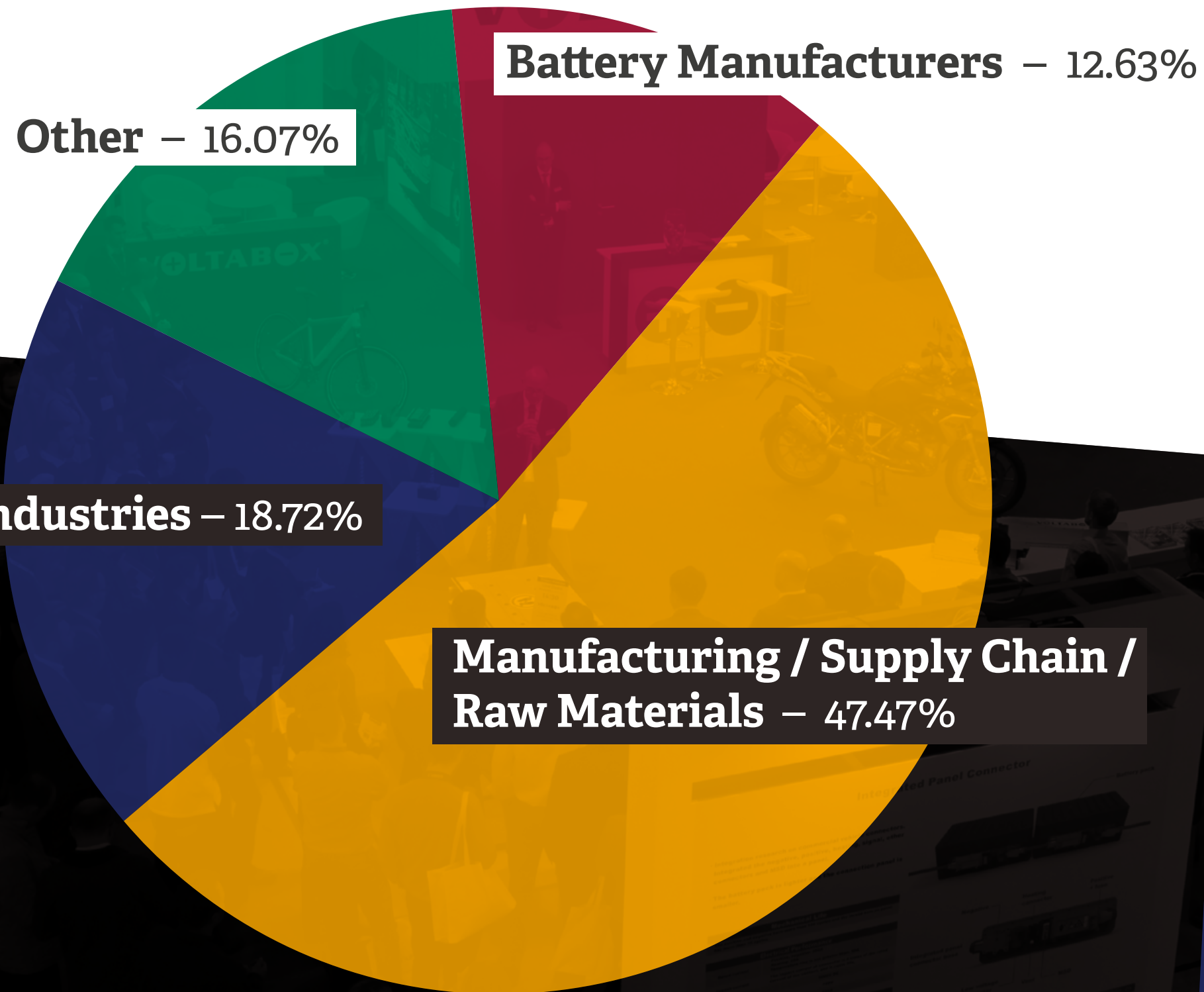
Facts & figures

% attendees by job function



Facts & figures

% attendees by business areas of interest



THE BATTERY SHOW

EUROPE 2019

1. Battery Manufacturers

- Battery Manufacturer - Lead Acid
- Battery Manufacturer - Li-ion
- Battery Manufacturer - Other

2. Manufacturing / Supply Chain / Raw Materials

- Battery Pack Assembler
- Power Management/BMS
- Utility / Renewables
- Assembly Equipment
- Component Manufacturer
- Materials Supplier
- Raw Materials
- Recycling
- Test Equipment
- Testing Services
- Thermal Management

3. End-User Industries

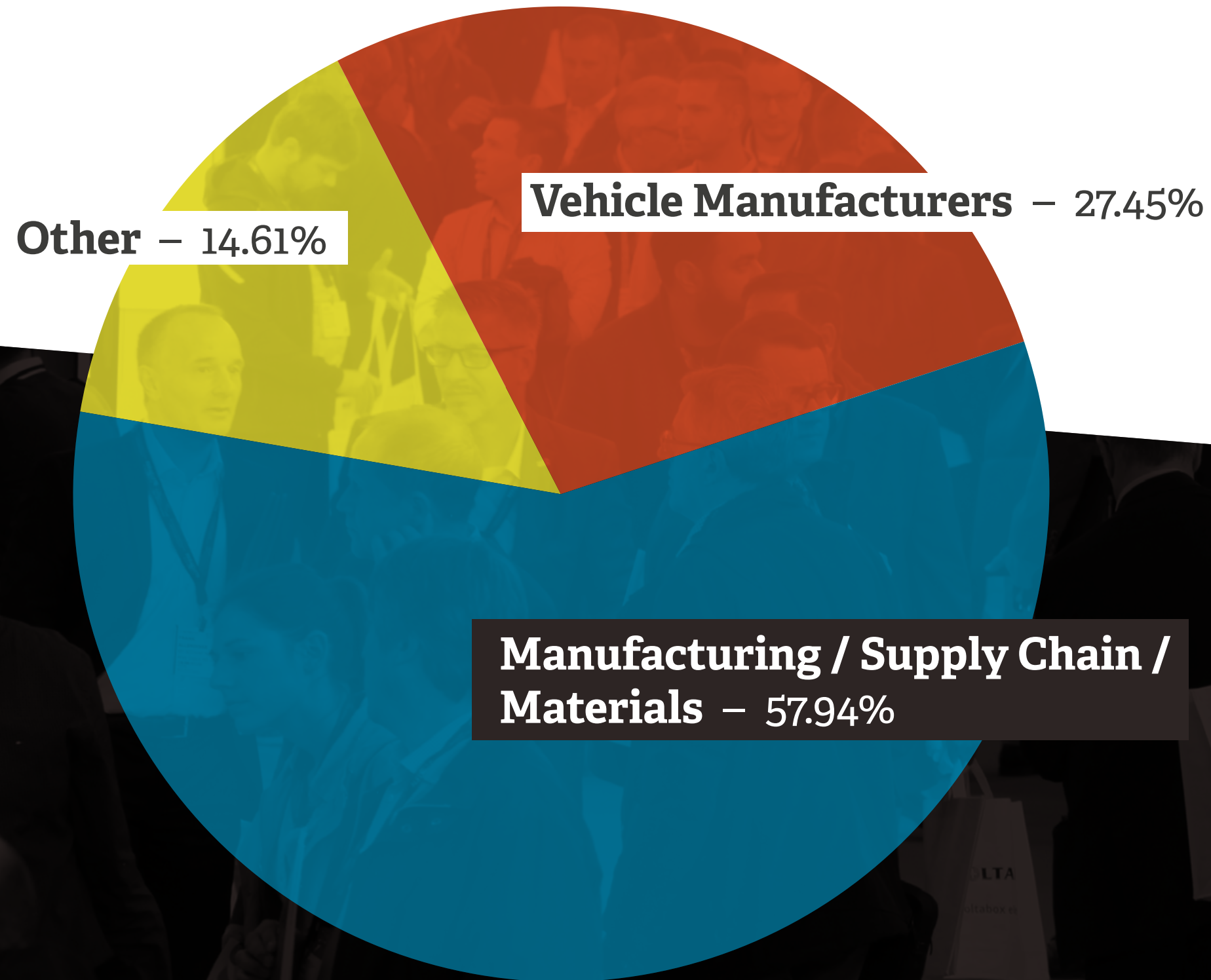
- Automotive OEM / Vehicle Manufacturer
- Aircraft Manufacturer
- Portable Electronic Device Manufacturer
- Medical Device Manufacturer
- Power Tool Manufacturer

4. Other

- Academia
- Association
- Government / Trade Body / Development Agency
- Media / Press

Facts & figures

% attendees by **business areas of interest**



1. Vehicle Manufacturers

- Bus
- Car
- Commercial Vehicle
- Industrial / Construction

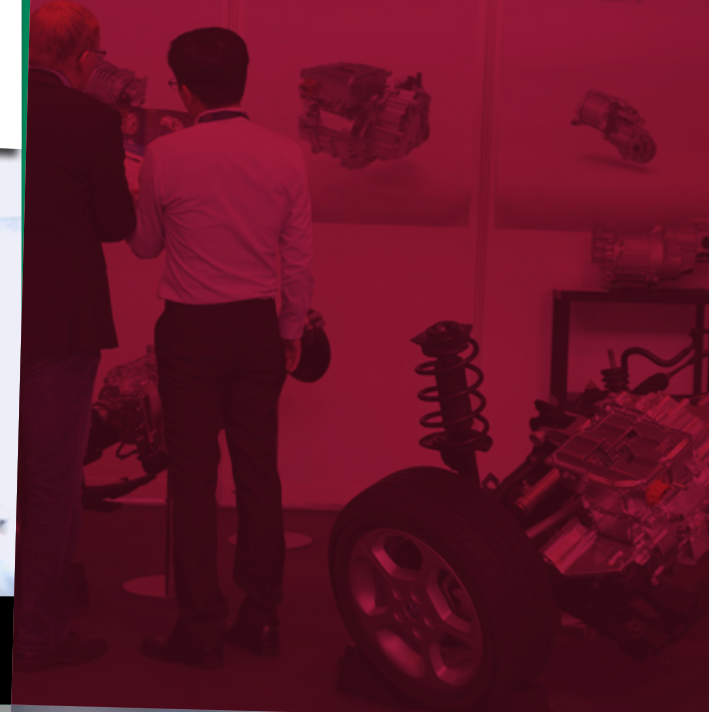
2. Manufacturing / Supply Chain / Materials

- Assembly Equipment
- Charging Station Manufacturer
- Component Supplier
- Connectors / Cables
- Consultant
- Design and Simulation
- Designer and Quality Assurance
- Engineering Services
- Financial Services
- Manufacturing Equipment
- Material Supplier
- Power Management
- Research & Development
- Testing and Certification Services
- Testing Equipment Supplier

3. Other

- Education
- Government
- Media / Press

Testimonials



“We’re a huge fan of The Battery Show and have participated now for the third year in a row.”

**Patrick Ries, Head of Sales
Voltapower, Voltabox**



“We met with a lot of customers and potential new customers, for example OEMs and automotive suppliers.”

**Frank Kerstan, Global Business
Development Powertrain
e-Mobility, Henkel**



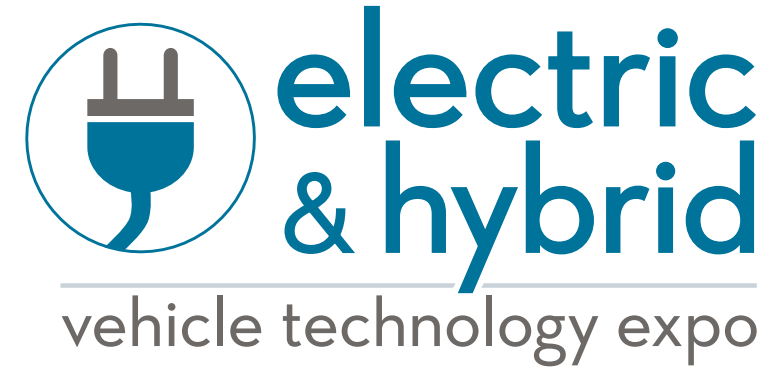
“From my point of view, and I think from our point of view, this is the most important exhibition for batteries and electric vehicles in Europe”

**Denis Ditzel, Business
Development Manager,
LORD Suisse Sarl**



THE **BA+TTERY** SHOW

EUROPE 2020



europa
2020

Save the date

28 – 30 April 2020 | Stuttgart, Germany

Contact our team today
to secure your stand location for 2020!

www.thebatteryshow.eu | www.evtechexpo.eu
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Don't miss
our sister shows in the US!

10 – 12 September 2019 | Novi, Michigan

THE **BA+TTERY** SHOW
NORTH AMERICA 2019



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