

DECEMBER 4-5 | BERLIN, DE

GIGAFACTORY: THE FUTURE OF BATTERY MANUFACTURING

SPEAKERS

CHAIRPERSON

RORY FRANCIS COMISKEY

PRESIDENT (CEO)



FUSIONIRX

LARS CARLSTROM

CEO



STATEVOLT

JAGDEESH RAGHAVAN

SENIOR PROJECT
MANAGER



FARASIS ENERGY

MADHAN MUGUNDAN

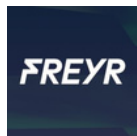
SENIOR LEAN ME,
PROJECT MANAGER



BLUEFORS OY

GUILLAUME DE FORTON

VP EMOBILITY



FREYR BATTERY UK & USA

JOHANNES ROESSNER

CEO



BT ADVISOR UG

KONSTANTIN THOM

MANAGER DEVELOPMENT
ECO/POP & EV BATTERY
FOILS



MKS ATOTECH

SHEMAL DEVMURARI

SENIOR REQUIREMENTS
ENGINEER

Porsche Engineering

PORSCHE ENGINEERING

PAVEL TSEDOV

CEO



RESOURCE

PIERRE GEORGET

DIRECTOR - BATTERIES,
MINING AND INDUSTRIES



SOCIETE GENERALE

MÁRTON PAP

DIRECTOR



ELEVENES

ARAVIND MARIYAPPAN

DEVELOPMENT ENGINEER



MERCEDES-BENZ AG

AARON WADE

HEAD OF BATTERY COSTS



CRU

LEANDRO FONSECA

CHIEF DEVELOPMENT
MANAGER



NI

PETER ARNOLD

CEO & FOUNDER



SALZSTROM

SERGIO BASCONCILLOS

PROCESS ENGINEERING
DIRECTOR



BASQUEVOLT

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WHY ATTEND?

GIGAFACTORY: THE FUTURE OF BATTERY MANUFACTURING
4-5 DECEMBER, BERLIN, DE

As the demand for electric vehicles, renewable energy storage, and sustainable manufacturing practices surges globally, gigafactories stand at the forefront of this transformative era. This conference aims to unite industry leaders, technological innovators, policymakers, and academia to discuss, share, and shape the future landscape of battery manufacturing.

Hear from visionary leaders and pioneering executives who are shaping the future of the industry, engage with expert-led panels that delve into the latest challenges, opportunities, and trends in gigafactory operations and management. Forge valuable connections with a diverse group of professionals, from startup founders to veteran industry players.

Join us for an immersive two-day journey into the heart of battery manufacturing innovation. Whether you're looking to stay on the cutting edge of technology, seeking to establish partnerships, or exploring the market for new solutions, "Gigafactory: The Future of Battery Manufacturing" is your gateway to the future.

WHO SHOULD ATTEND

VPS, HEADS, DIRECTORS OF:

Battery Engineers and Chemists
Electrical Engineers
Mechanical Engineers
Industrial Engineers
Environmental Scientists
Supply Chain Managers
Energy Storage Specialists
Renewable Energy Experts
Automotive Industry Professionals
Technical Experts
Policy Makers
Government Representatives
Environmental Advocates
Economists
Market Analysts
Software and AI Professionals

FROM

Automotive Companies
Battery Manufacturers
Energy Storage Companies
Raw Material Suppliers
Renewable Energy Companies
Supply Chain and Logistics Companies
Investment and Financial Firms
Electronics Manufacturers
Recycling and Waste Management Companies
Research Institutions and Universities
Government Agencies
Policy Makers

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08:00 - 08:45 CET Registration and Morning Coffee

08:45 - 09:00 CET Chairperson's Opening Remarks

9:00 - 9:30 CET Government Policies and Gigafactories: How legislation is shaping the future of battery manufacturing.

- Analysis of subsidies and tax incentives designed to promote gigafactory investments.
- Impact of government regulations on battery manufacturing standards and environmental compliance.
- Influence of international trade policies on the location and operation of gigafactories.

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09:35 - 10:05 CET "The Smart Manufacturing Initiative" Digital Transition, Constraints & Solutions

- Affordability and Mass Adoption
- Sustainability and Environmental Impact
- Improved Performance and Safety

Rory Francis Comiskey
President (CEO)
FUSIONIRX



10:05 - 10:35 CET Networking & Refreshment Break

10:35 - 11:05 CET Corrosion Management in and around Lithium-Ion Batteries for Electric Vehicles

- Ensuring right quality of copper current collector and lead tabs
- Choosing the right surface treatment for battery housings
- Mixing materials – connectors and fastener fulfilling various requirements

Konstantin Thom
Development Manager DECO/POP & EV Battery foils
MKS ATOTECH



11:10-11:40 CET Sodium-ion batteries on the gigawatt-hour scale: A dream or reality?

- Types of sodium-ion batteries
- Latest developments in sodium-ion batteries
- Global sodium-ion production capacities and (planned) gigafactories

Peter Arnold
CEO & Founder
SALZSTROM



11:45-12:15 CET Gel Polymer Solid State Battery: Affordable and Sustainable Solution For Democratizing Electric Mobility

- Enhanced Safety and Longevity
- Cost-Effective Production
- Environmental Benefits

Sergio Basconillos
Process Engineering Director
BASQUEVOLT



12:30 - 13:30 CET Networking & Lunch Break

13:30-14:00 CET Enabling critical minerals due diligence compliance for European EV OEMs

- The EU Battery Regulation requires more transparency in the battery supply chain.
- EV OEMs are responsible for ensuring proper due diligence of their supply chain.
- New rules mean OEMs need a new way to interact with all their direct and indirect suppliers in the battery supply chain.
- Technology can enable due diligence compliance and enhance the sustainability of the battery supply chain..

Pavel Tsedenov
CEO



RESOURCE

14:05-14:35 CET Battery Recycling Technologies: New methods for reclaiming and reusing battery materials.

- Innovations in mechanical and hydrometallurgical recycling processes.
- Development of closed-loop systems to recover and reuse critical materials.
- Breakthroughs in direct recycling techniques to retain the original properties of battery materials.

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14:35 - 15:05 CET Networking & Refreshment Break

15:05-15:35 CET Energy Storage Solutions: Innovations in large-scale battery storage for renewable energy.

- Cutting-edge large-scale battery systems for grid stabilization and renewable energy integration.
- Development of flow batteries and other technologies suited for long-duration energy storage.
- Innovations in software and battery management systems to enhance storage efficiency.

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15:40-16:10 CET Automation in Gigafactories: Robotics and AI's role in enhancing production efficiency.

- Integration of advanced robotics to streamline battery cell assembly processes.
- Use of AI and machine learning for predictive maintenance and process optimization.
- Implementation of automated quality control systems to ensure product consistency.
- Adoption of smart logistics solutions for efficient materials handling and inventory management.

Leandro Fonseca
Chief Development Manager
NI

16:15-16:45 CET Emerging Markets in Battery Production: Identifying and investing in the next big markets.

- Identification of high-growth regions for battery manufacturing and market expansion.
- Analysis of consumer trends and government initiatives driving battery demand in emerging markets.
- Assessment of the competitive landscape and local supply chain capabilities in new markets.

Jagdeesh Raghavan
Senior Project Manager
FARASIS ENERGY



16:50 - 17:20 CET Panel Discussion: What are the current challenges and future opportunities in battery recycling, and how can gigafactories incorporate circular economy principles?

17:20 - 17:30 CET End of Day One – Closing word from the Chair

17:30-19:30 CET
DRINKS RECEPTION: RESERVED FOR SPONSOR

08:00 - 08:45 CET Registration and Morning Coffee

08:45 - 09:00 CET Chairperson's Opening Remarks

09:00 - 09:30 CET Battery Safety Standards: Developing and implementing safety protocol for manufacturing and usage.

- Establishment of international safety standards for the manufacture, transport, and disposal of batteries.
- Development of robust testing procedures for thermal stability, electrical safety, and risk of failure.
- Regular audits and updates to safety protocol to adapt to new technologies and finding from incident reports.

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09:35 - 10:05 CET Innovative Battery Formats: Exploring new shapes, sizes, and applications for batteries.

- Design of structural batteries
- Customization of battery shapes to maximize space efficiency in various electronic devices
- Development of stretchable and bendable batteries

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10:05 - 10:35 CET Networking & Refreshment Break

10:35-11:05 CET Collaborations Between Industry and Academia: Fostering innovation through partnerships.

- Industry-sponsored scholarships and internships to cultivate talent.
- Knowledge exchange programs to bridge the gap between theoretical research and practical application.
- Collaborative efforts to commercialize academic discoveries in battery science

Aravind Mariyappan
Development Engineer
MERCEDES-BENZ AG



11:10-11:40 CET LFP Battery solutions from FREYR to meet the growing demand in the Electric Mobility Market.

- Why is LFP a suitable technology for this market?
- Meet the ever-changing requirements from OEMs
- Sustainable battery cells and localised production are key elements for the future

Guillaume de Forton
VP eMobility
FREYR Battery UK & USA



11:45-12:15 CET Latest trends in Battery Energy Storage technologies – Can Europe keep up with Asia?

- Latest technologies in Asia
- European landscape
- Future for European ESS companies and cell makers

Márton Pap
Director
ELEVENS



12:30 - 13:30 CET Networking & Lunch Break

13:30-14:00 CET Lean Methodology in New projects (EV)

- Lean Methodology in EV project schedule
- Key milestones to be followed for new EV project from concept preparation to SOP
- Lesson learned topic
- Sotenken principles trial stage (Best practice)

Madhan Mugundan
Senior Lean ME, Project Manager
BLUEFORS OY



14:05-14:35 CET Validation of batteries – before production, during production and after production

- Overview of testing areas
- Key battery parameters
- Specific aspects for testing during production / end of line
- Requirements for battery quality

Johannes Roessner
CEO
BT Advisor UG



14:35 - 15:05 CET Networking & Refreshment Break

15:05-15:35 CET Financing and Gigafactory

- Key success factors to finance a gigafactory
- Process, trends and challenges linked to the funding of a gigafactory project

Pierre Georget
Director – Batteries, Mining and Industries
Societe Generale London



15:40-16:10 CET Global Supply Chains for Battery Production: Navigating international logistics and trade policies.

- Strategic alliances and partnerships
- Adaptation to changing trade policies and tariffs that affect material costs and availability.
- Investment in localized production facilities to serve regional markets

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16:15 - 16:45 CET The Future Of Battery Costs As Determined By Technology, Raw Materials, Location, And Policy

- How technology innovations (LMFP, Si-doped anodes) decrease production cost and increase cell performance
- Impact of battery raw material price volatility on cell production costs
- Impact of local policies on cell production costs

Aaron Wade
Head of Battery Costs
CRU



16:50 - 17:20 CET Panel Discussion: How do global trends in electric vehicle adoption and renewable energy storage affect the demand and design of future gigafactories

17:20 - 17:30 CET End of Day Two – Closing word from the Chair

REGISTRATION FORM

BOOKING LINE:

Please send your completed registration form by email to:
Katerina Davis
katerina@amistatgroup.com
T: +420 216 216 676



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REGISTRATION PACKAGES

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Online Delegate - 2 Day Online Conference ~~€2499~~ €1999

In Person Delegate - 2 Day In Person Conference ~~€2499~~ €1999

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Corporate Package (3 Delegate Passes) - 2 Day In Person Conference ~~€7499~~ €4498

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Corporate Package (8 Delegate Passes) - 2 Day In Person Conference ~~€19992~~ €9996

DOCUMENTATION PACKAGE ~~€999~~ €899

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(For Bank Transfer)

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(Only Visa or Mastercard Accepted)

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