Steinhagen, June 29th, 2023

**At the pulse of modern battery production with the VDMA Battery Production Annual Conference 2023:**

Exciting event at host Plasmatreat attracted numerous visitors to Steinhagen

**Around 170 participants, a wealth of current information and news on the topic of battery production, and positive feedback across the board - these were the conclusion of the 2023 Annual Conference of the VDMA (Verband Deutscher Maschinen- und Anlagenbau e. V.) Battery Production Division. The popular event took place on June 22 and 23, 2023, at Plasmatreat GmbH, the world market leader in atmospheric plasma technology. It offered visitors an exciting program of technical presentations and discussion panels. Visitors also had the opportunity to network and exchange ideas with experts.**

The popular industry meeting of the VDMA Battery Production, this time organized in close cooperation with Plasmatreat, started with the opening by host Christian Buske, founder and CEO of Plasmatreat GmbH. He introduced the audience to the revolutionary surface treatment with plasma, which enables new, environmentally friendly processes for the industry. This was followed by a varied program of presentations. For example, the keynote by Sebastian Wolf, COO of PowerCO SE, provided an insight into the topic of "Gigafactories in battery cell production: What challenges is PowerCo facing in Europe and North America?". One of the highlights of the second day of the event was a live link to Daniel Berger, Partner EAC International Consulting, who gave an exciting "Look at China, the market leader in electromobility from battery cell production to e-cars".

**Interaction, networking and guided tours at Plasmatreat**

In addition to these and many other specialist presentations and panel discussions, visitors had the opportunity to gather information and exchange ideas on current industry topics at various market stands. These included, for example, "Competitive Analysis Battery Machine Manufacturing Location Europe/Location North America" by Porsche Consulting GmbH, "Battery Recycling: How do I get the battery out of the car and disassembled down to module level?", organized by the VDMA together with Bosch Rexroth, or "Thinking about module production holistically: product developments (cell) - vehicle designs with effects on module assembly", presented by the TU Berlin in cooperation with the companies KUKA and Dürr. In addition, on both days of the event there was the opportunity to get to know the internationally operating Plasmatreat GmbH during guided tours of the Steinhagen headquarters and to learn more about the various applications of plasma technology in the battery process chain.

**Battery production of the future: using highly innovative plasma technology**

The organizers VDMA Battery Production and Plasmatreat are very pleased with the outcome of the event. Dr. Sarah Michaelis, Head of the VDMA Battery Production Department, explains: "The numerous positive feedbacks prove that we have hit the nerve of the industry with this attendance event: Many of our visitors found the opportunity for direct and open exchange with representatives from companies in the industry particularly valuable. The topics and the exchange showed how important it is to build a strong European network. Our member companies, with all their different applications along the battery manufacturing value chain are essential for the future."

Lukas Buske, who as a member of the Executive Board and responsible for the battery market segment adds, "The groundbreaking possibilities that plasma technology opens up for battery manufacturing were met with great interest. We are particularly interested in advancing future-oriented topics such as thermal conductivity and insulation, as well as anti-corrosion coating applications. In this way, we will be a reliable partner to our customers, helping to shape the production and processes of the future."

More information about the VDMA Industry Guide and the offers of the member companies can be found here: [www.vdma-industryguide.com/](http://www.vdma-industryguide.com/)

More information about Plasmatreat is available at: [www.plasmatreat.com](http://www.plasmatreat.com)

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***Info box:***

**How Openair-Plasma and PlasmaPlus optimize industrial processes.**

When plasma with its high energy level comes into contact with materials, it changes the surface properties, for example from hydrophobic to hydrophilic. Plasma technology requires only compressed air and electricity for operation. Fine cleaning with Openair-Plasma gently and reliably removes dust, release agents, additives, plasticizers and hydrocarbons from surfaces. Especially with non-polar plastics, plasma treatment achieves surface activation. It supports the increase of surface energy by introducing hydroxyl groups and thus improves adhesion in subsequent processes such as bonding, printing, painting and sealing. Plasmatreat's PlasmaPlus technology can also be used to create targeted functionalized surfaces with defined properties by applying (depositing) nanocoatings, e.g. as an additional adhesion promoter layer.

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**About Plasmatreat**

Plasmatreat is an international leader in the development and manufacture of atmospheric plasma systems for the pretreatment of substrate surfaces.

Whether plastic, metal, glass or paper – the industrial use of plasma technology modifies the properties of the surface in favor of the process requirements.

Openair-Plasma® technology is used in automated and continuous manufacturing processes in almost every industrial sector. Examples include the automotive, electronics, transportation, packaging, consumer goods and textile industry, but the technology, cost and environmental advantages of the plasma technology are used in medical technology and in the renewable energy sector as well.

The Plasmatreat Group has technology centers in Germany, USA, Canada, China, and Japan. With its worldwide sales and service network, the company is represented in more than 30 countries by subsidiaries and sales partners.

More information is available at: [www.plasmatreat.com](http://www.plasmatreat.com)

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**Images:**

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Group photo: An exciting program awaited the approximately 170 participants, with specialist presentations, market stands and guided tours on the subject of battery production. (Copyright: Plasmatreat GmbH)

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Guided tour of PT: During various guided tours, participants gained exclusive insights into the laboratories and production of the world market leader for atmospheric plasma technology. (Copyright: Plasmatreat GmbH)



Laboratory: Various tests can be used to visualize the effect of the plasma treatment on the surface. Here the increased wettability on different materials is shown with the water test. (Copyright: Plasmatreat GmbH)