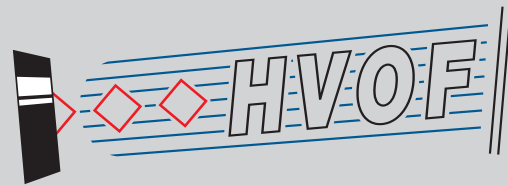


CONFERENCE PROCEEDINGS



13th Colloquium
High Velocity Oxy-Fuel Spraying
29–30 October 2026, Erding, Germany



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For the 13th time, the Colloquium for High Velocity Oxy-Fuel Flame Spraying is opening its doors, continuing its tradition as one of the largest international events in this field. Over two conference days, participants can once again look forward to an extensive and varied programme of presentations. The event will not only address topics relating to high-velocity spraying, but will also highlight current trends, technological developments and new approaches across all areas of thermal spraying.

We, the organizers Linde GmbH and GTS e.V., are delighted to once again host numerous experts, users, manufacturers and interested participants at this year's 13th HVOF Colloquium in Erding. At a time when sustainability, resource efficiency, alternative material concepts, digitalization and increasing quality requirements are shaping the industry, the colloquium provides an important platform for exchange, orientation and new ideas.

This year, we have once again been able to attract international experts from research and industry, as well as manufacturers of equipment and materials, who will help shape a well-rounded and diverse programme through their technical contributions and participation in the accompanying exhibition. Particular attention will be paid to powder manufacturers, who are focusing intensively on sustainability and alternative materials. In addition, the ongoing advance of digitalization will be examined, opening up new possibilities in both media supply and system technology while transforming existing processes.

In the accompanying exhibition, exhibitors will present innovative new developments in the fields of system technology, diagnostics, materials and process engineering. The programme will be complemented by practical experience reports illustrating how current developments are being implemented in industrial applications and what opportunities they offer for the further advancement of thermal spraying.

We are pleased that you have accepted our invitation and warmly welcome you here in Erding. We are convinced that this colloquium will once again offer you numerous opportunities to expand your network, exchange experiences and take valuable inspiration back to your daily work. Our special thanks go to everyone contributing to the success of this event – the participants, speakers, exhibitors and all supporters.

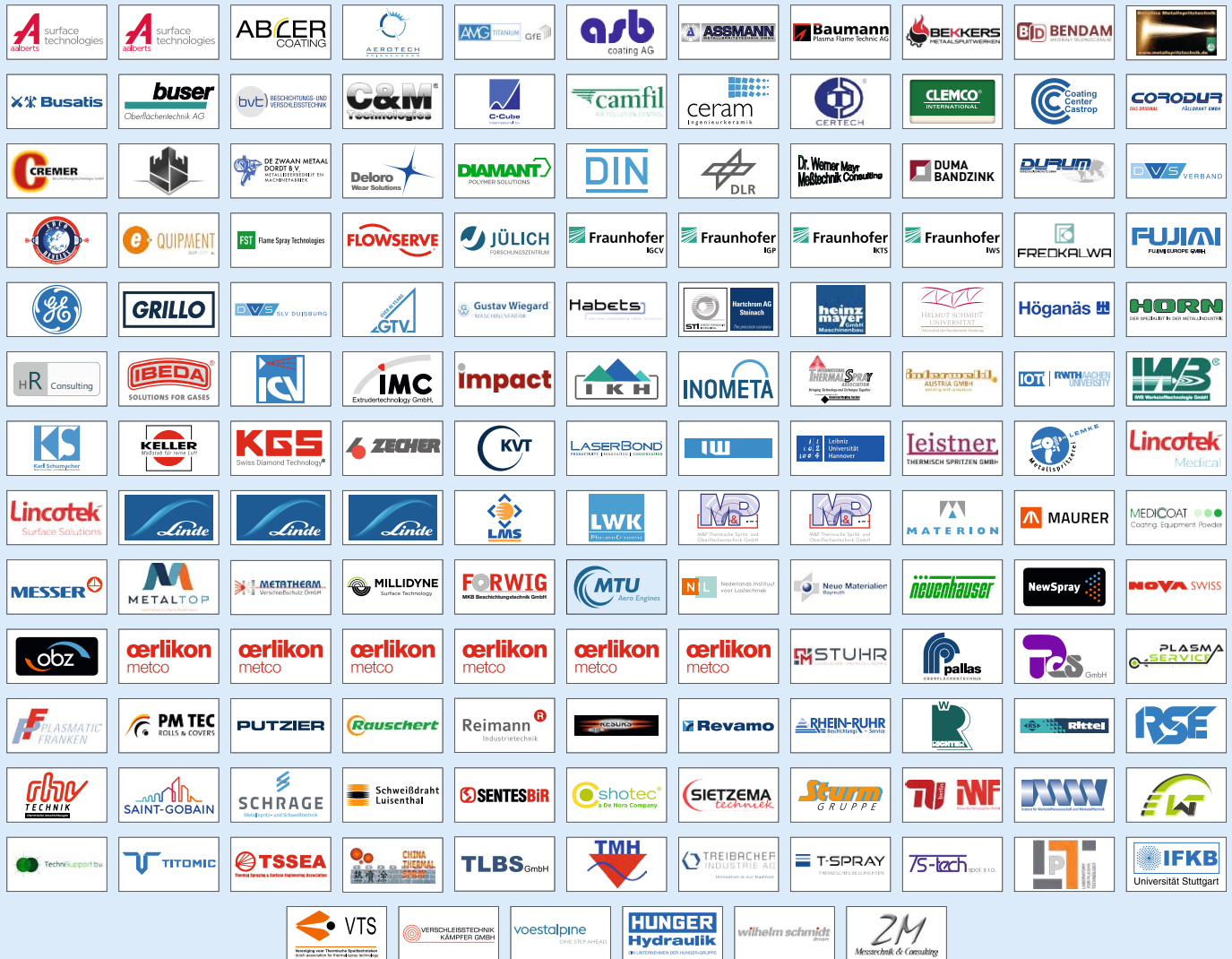
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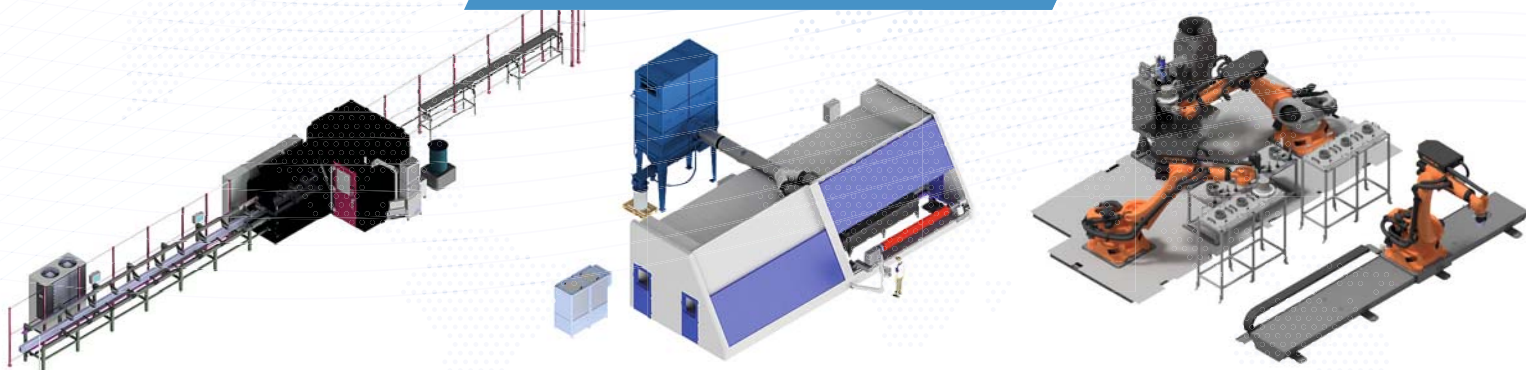


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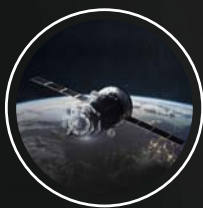
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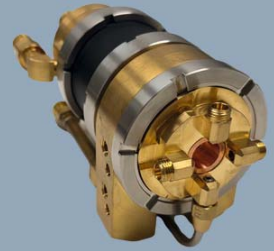
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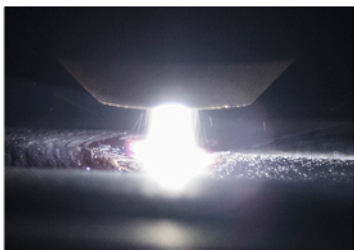
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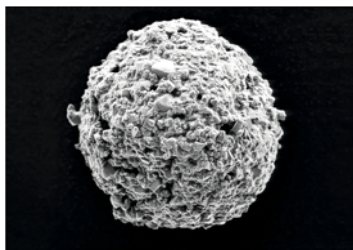
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The German company, **Linde GmbH**, looks back on a history spanning more than 140 years. It was founded by Carl von Linde, a pioneer in the field of refrigeration technology. Today, Linde GmbH employs around 2,000 people in Germany and operates multiple production facilities for industrial gases.

The company serves a wide variety of end markets. These include chemicals & energy, food & beverages, electronics, healthcare, manufacturing, metal industry and mining. Linde gases and technologies are utilized in countless applications and enable space exploration and rocket launches, deliver high-purity special gases for the production of semiconductors, supply lifesaving medical oxygen and enable the production of clean hydrogen as well as CO₂ capture to reduce greenhouse emissions. Furthermore, Linde offers its customers cutting-edge gas processing applications to facilitate growth, enhance efficiency and reduce emissions.

In the manufacturing sector, Linde provides holistic solutions along the entire value chain. Its portfolio comprises modern welding solutions, cutting and heat treatment applications, and bespoke laser gas systems for maximum precision and efficiency. Moreover, Linde offers innovative coating technologies for thermal spraying which serve to enhance surface quality, wear resistance and product lifetime. This offering is further complemented by surface cleaning solutions, a wide range of tools and devices, consumables and safety equipment, and hands-on training courses. In doing so, Linde helps its customers to sustainably increase product quality, safety and economic efficiency.

Digitalization also plays an important role. Customers can order products online, manage stock, track containers via barcodes and make use of digital service portals. Internally, Linde relies on and employs digital processes, data analysis and the latest collaboration tools..

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The Association of Thermal Sprayers GTS e. V. is an association that has been established for over 30 years. Our members come from industry, trade, and research, including contract coaters as well as suppliers of materials, equipment, and components. Together, we are dedicated to the further development and application of thermal spraying technology.

Our Fields of Expertise

- Surface coating with metals, hard materials, and metal-ceramic materials
- Comprehensive equipment and materials for thermal spraying
- Research in all areas of our technology
- Applications in virtually all industrial sectors, e.g., aerospace, automotive, mechanical engineering, power generation, and medical technology

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We aim to continuously advance thermal spraying technology and explore new areas of application, keep our members informed about new developments in our field, and provide support for essential business processes such as risk assessments, legal compliance, and much more.

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- A strong community of small and medium-sized enterprises (SMEs), large-scale industry, and research institutions
- Exchange of expertise and mutual support within the association
- Shared goal: innovation and quality in surface coating

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