

# THIS IS



LASER  
FUMES



DUST AND  
SMOKE



SOLDERING  
FUMES



ODORS,  
GASES, AND  
VAPORS



ADDITIVE  
MANUFACTURING



PROCESS  
AIR  
DRYING



WELDING  
FUMES



OIL AND  
EMULSION  
MISTS



COMPLETE  
SOLUTIONS



NEW  
EMISSIONS



AIR  
IONIZATION

1.

## Air technology that really works

Perfectly natural? Unfortunately not. Extraction and filtration technology for **air pollutants that are released by industrial processes** is a highly individual matter. No processes, no work pieces and no work places are alike. Therefore, standard solutions do not always lead to the intended results. Often extraction and filtration technology has been installed, but due to their ineffectiveness, air pollutants are released nevertheless. They endanger the health of employees and they impair the quality of products and also the functional capability of machines and plants as. ULT, however, includes the uniqueness of its customer in the solution of the designed solution. ULT will not leave the production site before the plant is properly working, regardless of whether it is a solution for a stand-alone work place or air treatment in an entire hall. The same applies for other aerial engineering plants, which ULT delivers: systems for the **cleaning of technical gases** or for **process air drying**.



2.

## The ability to serve all processes

A really competent supplier of extraction and filtration technology should be capable of delivering solutions for **all conceivable production processes** and accordingly for all related air pollutions. 'Classical fields of application', such as solder fume or vapors are just as much part of it as are laser fume and nano dust. ULT supports practically all conceivable processes. Some pollutants today are only found in the air of research labs that elaborate tomorrow's processes. Even there, ULT has already extracted and filtered them. As it is the case for nearly all pollutants, which are released by new processes, these pollutants are considerably more hazardous than the classic ones. Hence, fume extraction technology must always be at the cutting edge. In addition, today's production benefits from continuous improvements, arising from that research-driven mode of operation. ULT is closely integrated in the research operation of renowned institutes, universities of applied science, and universities.

*Those who strive to master any air pollutant must permanently carry out research*



3.

## Devices, which are the basis for every imaginable solution

High quality standard units are the basis for each professional air technology solution. At ULT, engineers that take advantage of their project experience to bring the design to perfection – for higher performance and an even more flexible utilization, develop these devices. To achieve this, our development and production departments work closely together under one roof. Air technology from ULT is “Made in Germany”. Our solutions serves almost any performance class: from individual mobile devices to large stationary plants. They are prepared to meet every special requirement, e.g. for explosion protection. Moreover, ULT is committed to achieve minimum energy consumption and noise levels. The plants are designed according to international standards. If required, they will be approved according to ATEX and W3 and tested to meet H requirements.

*Extraction and filtration as well as air drying technologies from ULT – a tiny selection from a large portfolio of devices*



4.

## The art of engineering that ensures ideal adaptation to the customer's situation

Engineering is always in demand. One case perhaps simply deals with the integration of an extraction equipment into the design of a work place. In another case, however, ULT's work even influences the site's architecture, for example, when it comes to an entire hall extraction solution with a central pollution extraction point. To be able to provide excellent extraction and filtration technology for such complex requirements, suppliers should closely cooperate with architects and plant designers. ULT already supplied the complete extraction plant for the large-scale work places of a shipyard. Another example of special applications is the assembly of work places for entire ICE railcars. Both tasks have only one thing in common: the confidence in our own innovative strength to find the right solution. **OEM projects** are an inherent part of ULT's scope of supply.

*Fume extraction technology from ULT means:  
turnkey handover including peripheral plant equipment*



5.

## A family-run enterprise, whose fathers serve as chief engineers

Dr Christian Jakschik established ULT in 1994. Being an engineer, he has learnt extraction and filtration technology from scratch and gathered experience in this field for decades. Today his sons manage the enterprise. They too have become proven air technology specialists with experienced engineers at their sides. They jointly develop solutions for tasks, which permanently arise from new process technologies. Innovation at ULT is based on well-organized teamwork and benefits from top-level specialist contributions. Since 2000, the company is located in Löbau (Saxony), Germany's classic region of innovation. Here the continuously growing enterprise recently opened the fifth stage of its expansion level. ULT is certified according to international standards, such as ISO 9001:2015. In 2016, Dr Christian Jakschik, Dr Stefan Jakschik and Alexander Jakschik were distinguished as 'Saxony's Entrepreneurs of the Year'.

*From left to right: Wolfgang Richter (head of sales), Michael Schubert (production manager), Alexander Jakschik (director), Dr Stefan Jakschik (director)*



6.

## Employees, who are like a big family

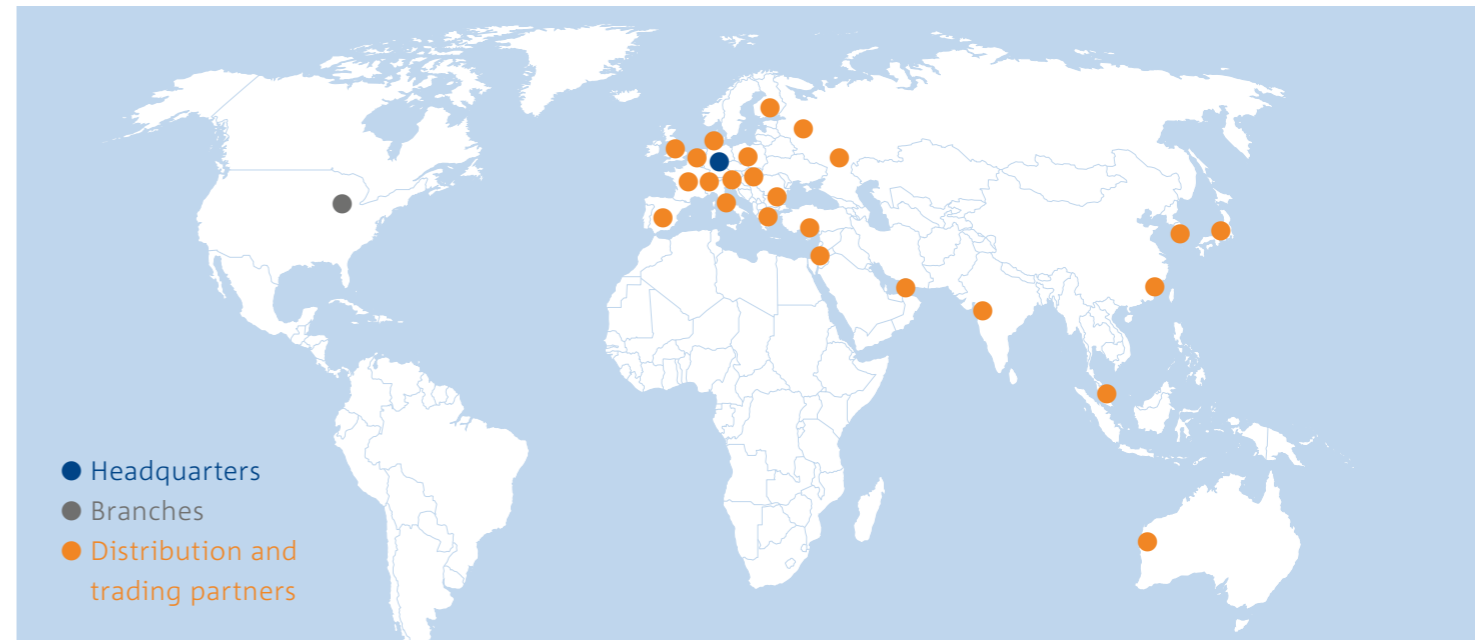
To encourage and to challenge are entrepreneurial principles at ULT, where more than **130 employees** devote all their energies to ensuring the success of their company. They receive social benefits, not a given elsewhere. Family-friendly working conditions and assistance with costs support their daily life. Professional trainings make sure that the technological progress will reach all employees. The company commits itself to cultural, social, and sports projects. In the eyes of the people in Löbau and the surrounding area, ULT, being a major employer, plays an important role for the pulse rate of the region.



7.

## Air technology, in demand on a global scale.

The word has gotten around that ULT provides extraction and filtration technology that works – under all conditions, worldwide in **Europe, North America, Asia, and Australia**. The company's sales partners are located in the most important countries. In order to serve the important US market, a subsidiary was established in early 2018. Annual participation in leading national and international industry trade shows and conferences makes sure that interested parties from all over the world can get in direct contact with the company. This helps to answer fundamental questions, which arise during procurement and utilization of aerotechnical installations. Complex projects, featuring a high level of customer specific engineering, are processed in all countries the very same way as in Germany. Once again: ULT will not leave any production site before the plant is properly working.







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