

PARTNER



Junker-Filter GmbH
Carl-Benz-Straße 11
74889 Sinsheim

Junker-Filter works since 1956 in the area of filter products. With about 100 employees we are developing innovative and customized concepts. Our individualized solutions and high quality products lead to close collaborations with proven international partners from all sectors of industry. In cooperation with our customers and their requirements we are creating products of the future. In the fields of dust separation we supply different types of filter bags, filter pockets, filter cartridges and filter elements. With our optimized design for filters, called ZERO® design, we established a new performance level with “zero emissions” and reached a high position in market. For solid-liquid separation we offer different types of filter cloths, filter belts and candle filters as well as filter bags. Furthermore, we produce air dryer cartridges (adsorption technology) for renowned companies of the automotive industry and also oil absorption mats.



Lechler GmbH
Ulmer Straße 128
72555 Metzingen

Lechler is Europe’s No. 1 choice and is one of the leading nozzle and systems providers worldwide. For over 135 years, we have pioneered numerous groundbreaking developments in this field. We combine comprehensive nozzle engineering expertise with a deep understanding of application-specific requirements to create products with our 680-strong workforce that offer outstanding performance and reliability. Today, Lechler manufactures nozzles in Germany, England, Hungary, India, China and the USA. Despite international alignments we remain a Swabian family company with passion for precision, innovation and the drive to always become better at our core.

PARTNER



SICK AG
Erwin-Sick-Str. 1
79183 Waldkirch

For more than 70 years now, SICK stands for innovative products and solutions which set global standards in the field of sensor technology. Brilliant ideas and an exceptional pioneering spirit produce automation technology which changed the world. Founded by Dr. Erwin Sick in 1946 the work was continued by employees all over the world embarking today on a new future with industry 4.0. With its products, SICK protects both people and the environment. SICK is helping to make processes more efficient and to preserve resources. The company ranks among the technological market leaders. With more than 50 subsidiaries and equity investments as well as numerous agencies, SICK maintains a presence all around the globe. In the fiscal year 2015, SICK had more than 7,500 employees worldwide and achieved group sales of just under 1.3 billion euros.



Palas GmbH
Greschbachstraße 3B
76229 Karlsruhe

Palas® commits all efforts to particle measuring technology. Fine dust monitoring devices, air pollution measuring devices and filter test systems are our core competencies. The Fidas® 200, 200 E and 200 S fine dust monitoring systems passed the equivalence and suitability testing by TÜV Rheinland and were officially licensed for environmental monitoring by regulatory authorities. These devices are currently the world’s only certified optical measurement systems with single particle analysis of PM10 and PM2.5 fine dust fractions. We offer various solutions for numerous applications in the automotive industry including filter test rigs for cabin air filters (pollen filters), engine pre-air filters, as well as particle measuring technology and filter test rigs for blow-by gases and PMP applications. Many years’ experience and special knowledge in particle measurement lead to test as well compressed air filters directly in high overpressure.

PARTNER



Keller Lufttechnik GmbH + Co. KG
Neue Weilheimer Straße 30
73230 Kirchheim unter Teck

Keller Lufttechnik is a world-wide technology company specializing in the capturing and separating of a variety of air pollutants, as well as in the reduction of emissions in industrial applications. Our wide range of services includes design, engineering, manufacturing, delivery, and installation of individual units and complete systems for almost all industrial needs. The company slogan “Standard for clean air” emphasizes our commitment to provide state-of-the-art solutions for sustainable industrial processes. With GREEN BALANCE, Keller commits to global sustainability. We balance technology with social and economic resources to protect the environment.



e-flox GmbH
Dornierstraße 14
71272 Renningen

e-flox GmbH, founded 2006 as a subsidiary of WS Wärmeprozessstechnik, develops and produces thermal recuperative oxidizers based on the FLOX®-technology. FLOX® is a renowned combustion technology with high efficiency and low emissions. FLOX® was awarded the Deutscher Umweltpreis in 2011, the most prestigious award for environmental achievements in Europe. e-flox plants eliminate hazardous gases like VOC Volatile Organic Components. Autothermal, non-catalytic combustion of low calorific gases (>20 Btu/SCF) minimize emissions. Volume flows ranging from 10 to 1200 SCFM are treated. Waste heat recovery for hot water or electricity generation is possible and exceptional efficient. Burners and plants are designed and assembled at the e-flox company location. Commissioning, process optimization, maintenance and service at site, distance support by telephone and remote access, training, and maintenance contracts complete our portfolio.



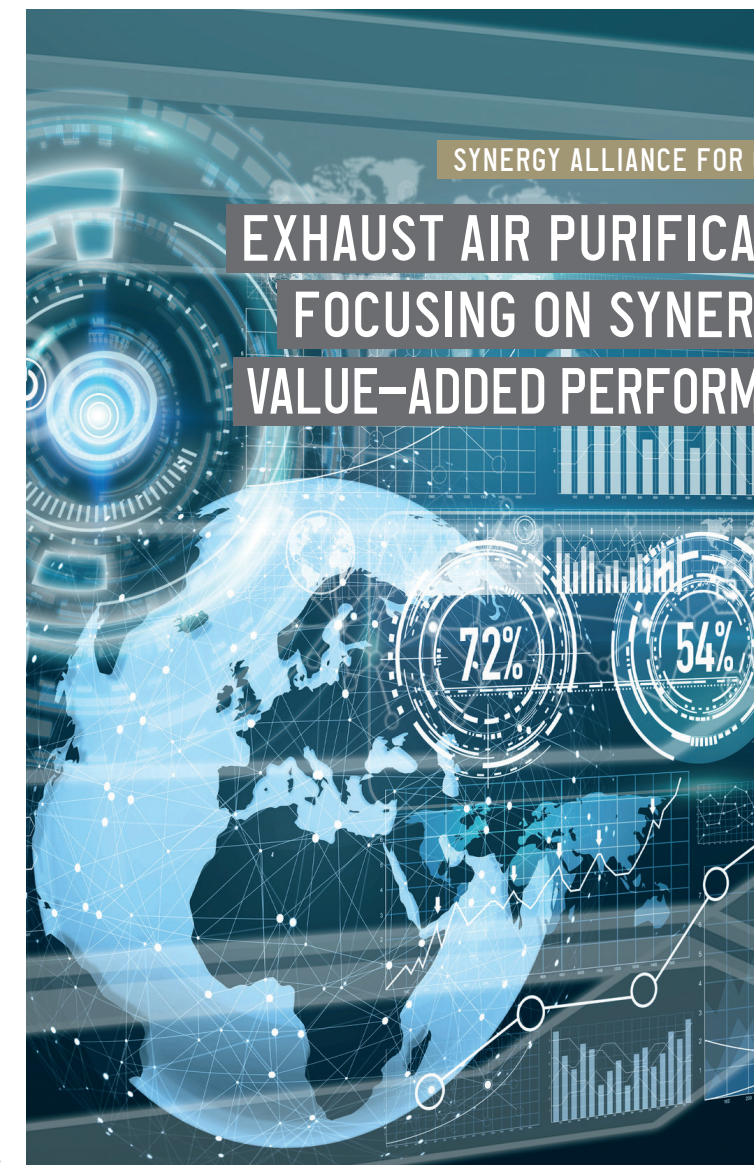
SYNERGY ALLIANCES

Umwelttechnik BW provides companies, networks and other players from the German federal state of Baden-Württemberg with the space and support they need to work together on technical topics and internationalization. Umwelttechnik BW refers to this early phase of collaboration as a synergy alliance and helps the groups to:

- > coordinate interests,
- > share information,
- > create a close network of competencies,
- > develop common strategies for internationalization.

UMWELTTECHNIK BW

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Bahnhofspassage 2
71034 Böblingen
GERMANY
www.umwelttechnik-bw.de



INTRODUCTION

WHAT IS THIS SYNERGY ALLIANCE FOR CLEANER AIR ALL ABOUT?

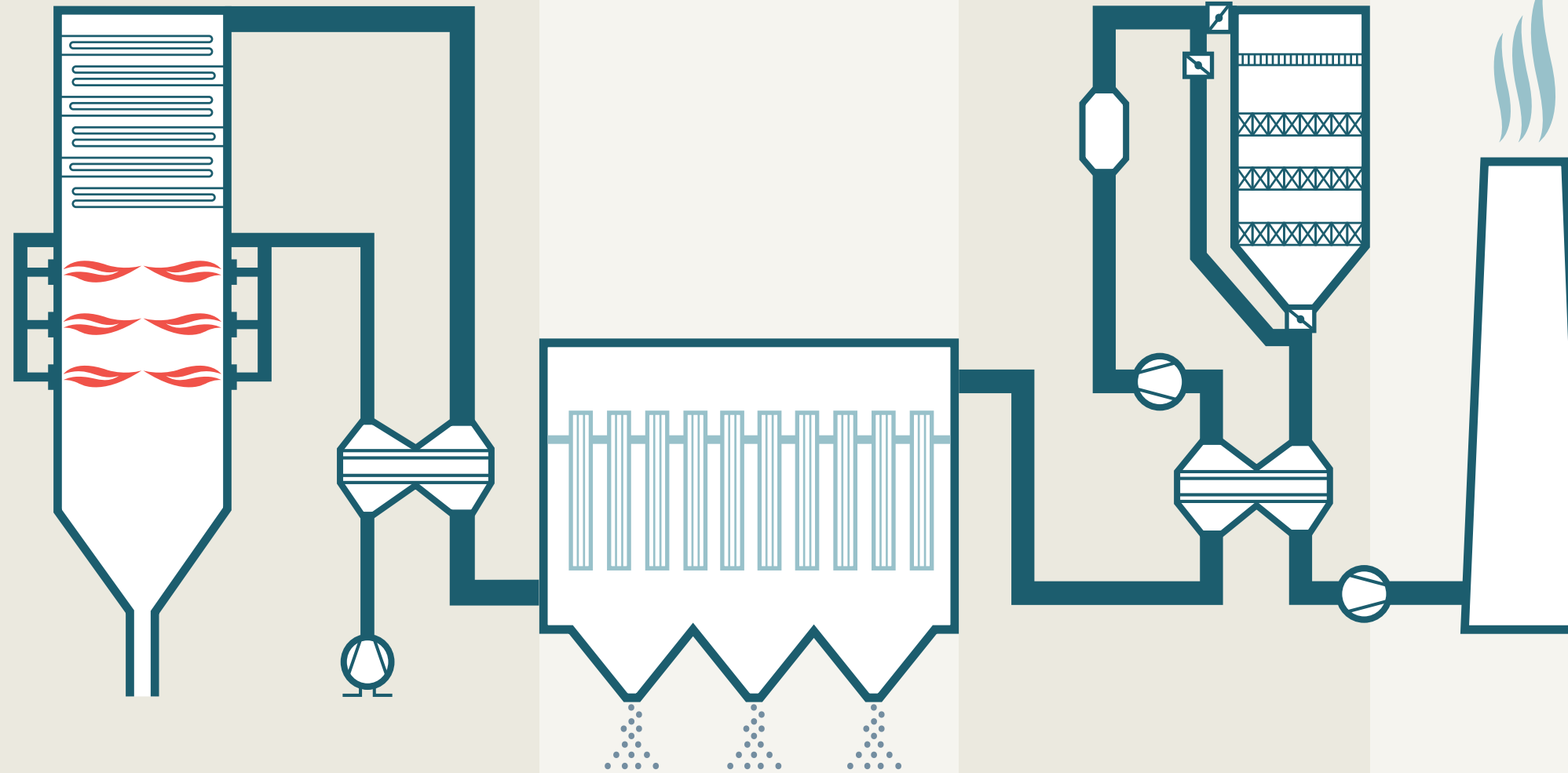
Highly qualified and innovative providers of exhaust air purification solutions “made in Baden-Württemberg” in addition to “made in Germany” have joined forces in a synergy alliance. We bring together competencies which enable us to offer a broad range of solutions, including custom-made solutions. We all believe in uncompromising quality and reliability with the aim of increasing our customers’ productivity and protecting our environment. We represent the complete supply chain of technological air pollution control concepts, ranging from filter elements to nozzles and burners all the way to entire systems, including process gas analysis and emission measurement.

> **German Engineering:** This partnership and interdisciplinary collaboration gives us access to an extensive pool of technical know-how for customized solutions along the entire supply chain of exhaust air purification. Together, we develop systems that are optimally tuned to individual needs.

> **Technology:** Excellent solutions form the basis of our activities. We own patents, are leaders in technology, act as initiators and develop our own solutions, always with a view to responsible, sustainable and deliberate care of our environment.

> **Quality:** Producing German-made top quality is our mission. We have the state-of-the-art technical equipment, trained specialists and stringent quality management this takes. Our customers profit directly from our high quality standards.

> **Target Industries:** metalworking industry (steel processing, casting houses), food industry, coal-burning power plants, cement mills, steelmaking industry, chemical industry, coating business



FURNACE

e-flox GmbH
(burner)

SICK AG
(gas analyzer)

DEDUSTING

Keller Lufttechnik GmbH
(extraction systems)

Junker-Filter GmbH
(filter elements)

GAS TREATMENT

Lechler GmbH
(gas cooling, desulfurization,
denitrification, droplet separators)

SICK AG
(process gas analysis)

IMMISSION MEASURING

Palas® GmbH

www.e-flox.com



www.sick.com



www.junkerfilter.com



www.keller-lufttechnik.com



www.lechler.com



www.palas.de/en



Speaker of the Synergy Alliance Clean Air
Jürgen Junker
Junker-Filter GmbH