

German Plastics Center

Testing • Training • Research • Certification • Networking


The background of the entire page is a close-up, high-resolution image of numerous small, cylindrical plastic granules. These granules are in various shades of blue and purple, creating a textured, industrial look. A semi-transparent white rectangular box is positioned in the lower half of the image, containing the main title and subtitle.

THE ENABLER

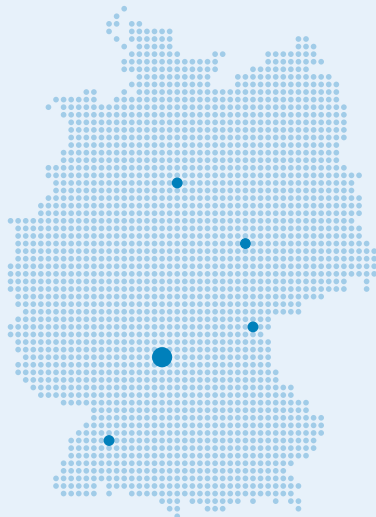
in the plastics industry

MAKE USE OF THE NETWORK

The strongest network in the industry.



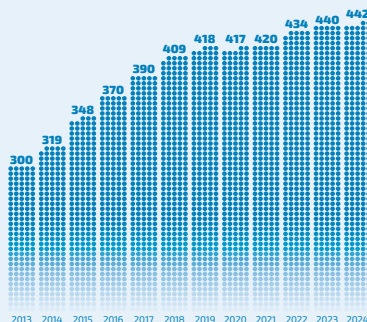
With more than 440 members, the SKZ support association is currently the most important and dynamic network when it comes to plastics. Our network reflects the breadth of the industry while offering excellent opportunities for collaboration. Benefit from numerous cooperation opportunities by networking with experts from all areas of the plastics sector.



LOCATIONS IN GERMANY

In addition to its headquarters in Würzburg, SKZ is also represented in Halle, Horb, Peine and Selb.

- Have influence on relevant **R&D topics**, derive intellectual **property rights** and commercialize them for your company.
- Get involved in a dynamic network that provides you easy access to **experts** as well as to key contacts in industry associations and **politics**.

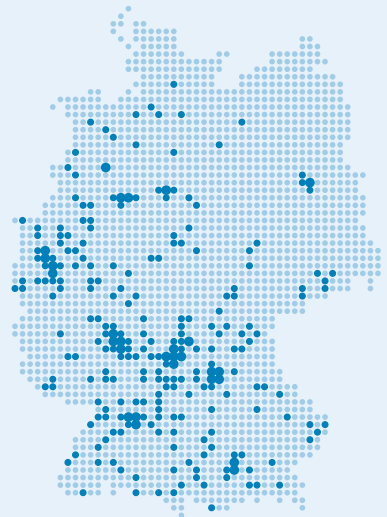


MEMBER DEVELOPMENT*

Steadily rising membership figures speak for the quality and reliability of the SKZ network.

*October 2024. Are you in yet?

- Present your company and your products to attract maximum attention within the **communications media** of one of the most important industry networks.
- With your contribution, you support our commitment in teaching at universities and universities of applied sciences; you promote the **enthusiasm** of students for technology and plastics, and enable SKZ to maintain its unique **technical equipment**.



MEMBER DISTRIBUTION

Most members come from the D-A-CH region and the Middle East, but also from distant countries as far away as Argentina or China.

- Through your commitment in the **SKZ bodies** you make sure that you can continue to access all the services and equipment you need at SKZ in the future.
- You receive information, research results and **impulses at first hand**. Additionally, SKZ network members profit from discounts for training courses and conferences.



Together, all of us are stronger – we are your competent partner when it comes to the production of high-quality plastic products.

Prof. Dr.-Ing. Martin Bastian

Chief Executive Officer



Bavaria needs high-performance facilities like SKZ that gives ear to medium-sized businesses.

Hubert Aiwanger

Bavarian State Minister of Economic Affairs, Regional Development and Energy



SKZ has been an important partner for plastic processing companies in Germany for many years.

Helen Fürst

President of the German Association of Plastics Converters (GKV)

NETWORKING OPPORTUNITIES

Be part of a strong community.

In the FSKZ network, you are ideally networked. We make your interests heard in politics, science and industry. You receive profitable impulses for securing the future of your company. Thanks to our unique synergy effects from over 60 years of experience as a partner to the plastics industry, we offer you active support along the entire value chain.

For historical reasons, our focus is on the D-A-CH region, but our FSKZ members are networked worldwide. Our network reflects the breadth of the industry and offers excellent opportunities for co-operation. Benefit from numerous opportunities for co-operation through networking with industry colleagues, science, associations and politics.

In a strong network,
you are a visibly strong partner!

FIRST-HAND INFORMATIONS

Free publications.



News from SKZ and its network are available to the members through regular publications, such as "SKZ-Aktuell" or the website www.skz.de as well as through the direct cooperation in the bodies of experts and R&D projects.

Keep up to date using the contacts to experts during our networking events and conferences. If you have an urgent technical question or maybe need a second opinion just give us a call. As a member of the SKZ network you enjoy our special attention. For example, the first consultation by phone is usually free of charge.



SKZ-AKTUELL

Annually there are 5 editions of "SKZ-Aktuell" to keep you up to date with the latest developments in the network and the industry.



SKZ NETWORK DAY

Networking is a top priority. Meet the members of the network at the annual SKZ Network Day.



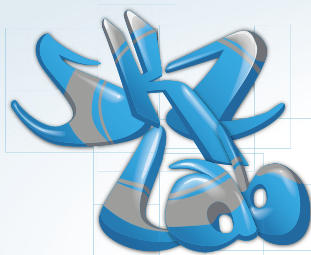
KUNSTSTOFF: NACHGEFRAGT

The first podcast in Germany that is purely about plastics, the industry and related topics. More than 50,000 plays confirm the high quality. With this in mind: **We'll be in touch!**



WEBSITE

More than 50,000 monthly visits demonstrate the significance of the SKZ website. And of course also available for you on your mobile devices.



2

PROFESSORSHIPS

From 2008, the SKZ financed the Department of Polymer Functional Materials at the Julius-Maximilians-Universität Würzburg and is still involved in teaching at the university and university of applied sciences today - not only through the Chairman of the Board, Prof Dr Martin Bastian.

531

SCHOOL CLASSES

In 531 school classes since 2011, almost 12,000 pupils have taken their first steps in plastics at the SKZ Lab.

supported by
Bavarian Ministry of Economic Affairs,
Regional Development and Energy



3.600

MASTER CRAFTSMAN

A success story since 1963: Together with the IHK Würzburg-Schweinfurt and the IHK Peine, more than 3,600 industrial foremen in plastics and rubber have been trained.

600

EVENTS

The high practical component of the courses is a key quality feature for effective further training. However, the new online live courses or web-based training also enable flexible and location-independent learning.

13.000

PARTICIPANTS

Over 13,000 participants a year at our 6 locations in Germany - and many more at in-house training courses worldwide.

TRAINING OF SKILLED WORKERS

We take care of it!

By becoming a member of the FSKZ network, you are actively supporting our efforts to promote young talent. For us, the shortage of skilled labour does not mean complaining, but rather rolling up our sleeves. With more than 600 events a year and over 13,000 satisfied participants annually, we are the market leader for further training in the plastics sector.

Support us in our endeavours and join us in providing qualified young talent - we offer specialist knowledge for plastics professionals. Our topics are as diverse as the plastics industry itself.



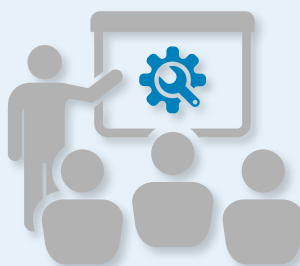


14

WEB BASED TRAININGS

LEARNING AT ANY TIME

Learning independent of time and space. You have maximum flexibility to adapt the content to your own learning pace. Our training courses are also available in English, Italian, Romanian and Turkish.



180

CLASSIC CLASS-ROOM COURSES

YOU COME TO US

A high practical component in our courses is a key quality feature for effective further training. After all, skills are only developed through practical work. This is why the SKZ operates its own technical centres at all training locations.



180+

IN-HOUSE-TRAININGS

WE COME TO YOU

Well-founded expertise in operations is the basis for quality, effectiveness, cost savings, innovation, error prevention and therefore for success.

Our company training courses, which are customised to your requirements and wishes, offer you the right basis.

59

LIVE ONLINE COURSES

Developed by industry experts, our live online courses cover a wide range of topics and offer practical content. Thanks to interactive elements and modern learning platforms, you can train flexibly, individually and from any location and develop your skills in a targeted manner.

TRAINING OF SKILLED WORKERS

We take care of it!

The SKZ trains and develops career changers, engineers and specialists for the plastics industry. Whether classroom courses, on-site training, online training or web-based training - at SKZ you will always find the right solution, also in different languages.

The SKZ has been the top address for in-company training for over 60 years, with over 13,000 participants every year. Our course instructors offer practical expertise, supported by close cooperation with industry and our own research.


By the way ... there are numerous funding opportunities for further training programmes at federal and state level. Let us advise you and subsidise your training!

You would like to get a first taste of the SKZ's expertise - take advantage of our free white papers at: <https://www.skz.de/en/whitepaper>



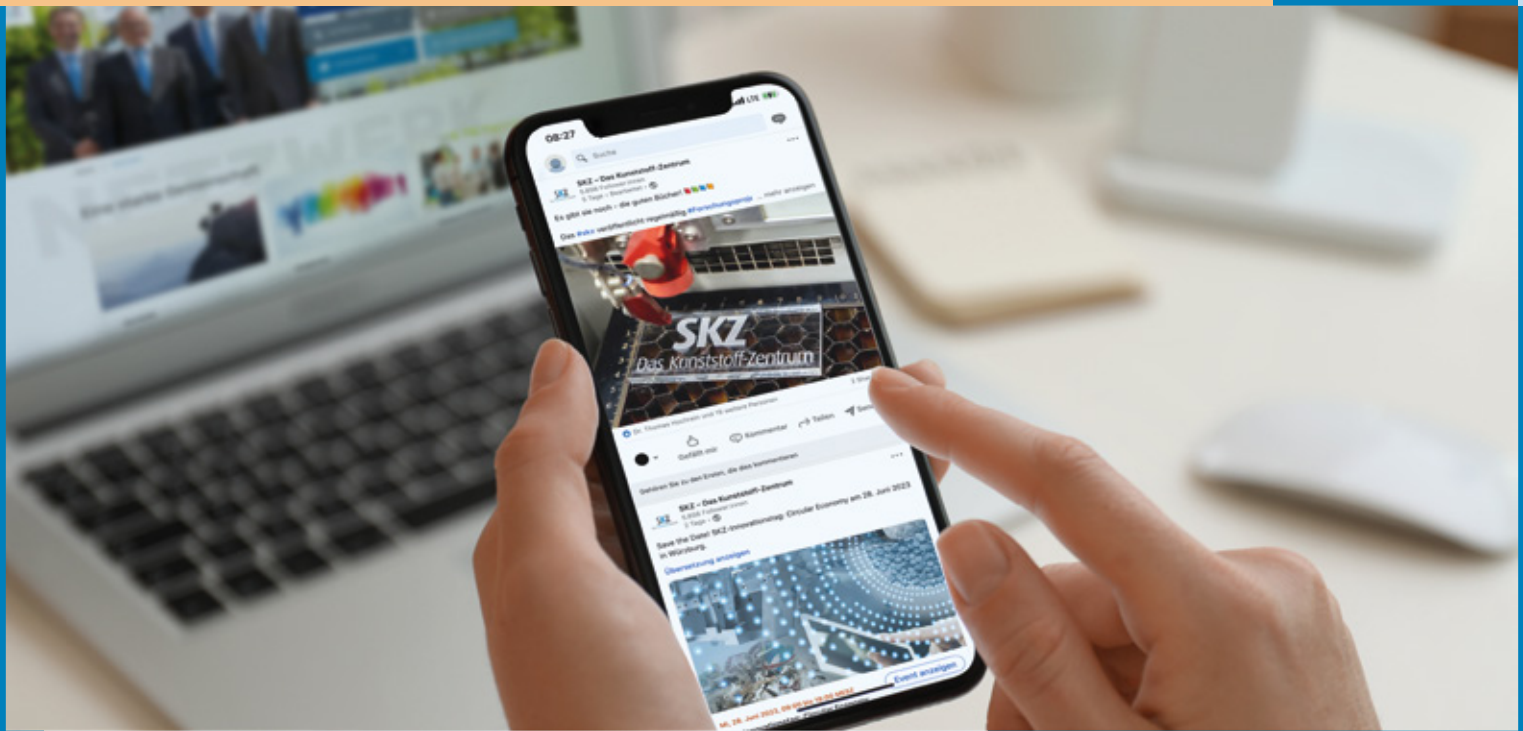
COMMUNICATION

On all channels.



Become a part of the SKZ community and advertise during our events, in our annual programs and use the visualization opportunities in our member's catalogue. As a member you have additional, partly exclusive ways to convince potential clients of the benefits of your products and services. Our publications are part of your communication channels directly to your customers.

In addition, as a member of the SKZ network, you benefit from discounts on company training courses or SKZ events and can influence the selection of speakers. You regularly receive special conditions, which are shown in the corresponding event documents.



MEMBERS CATALOGUE

Make use of our annual member's catalogue and profit from a contact medium for and within the industry. You are perfectly represented and will find contact to the potential clients.



EXHIBITION & SPONSORING

There are multiple visualization possibilities during our conferences and events. As an exhibitor or event sponsor you can present straight to your target group.

GENERAL CATALOGUES AKADEMY & JOINING

With a circulation of 12,000 copies, we inform the industry about our entire portfolio of continuing education. Whether in print or electronically – advertising in one of our annual programs you can reach your target audience regularly and in a focused way.





Federal Ministry
for Economic Affairs
and Energy



Bavarian Ministry of Economic Affairs,
Regional Development and Energy



ZUSE-GEMEINSCHAFT
FORSCHUNG, DIE ANKOMMT.

16

RESEARCH AREAS

Almost the entire spectrum of plastics technology is covered in our research and development departments. Here we have been honoured with many scientific prizes and awards.

Deutschland
Land der Ideen



9

ENABLER PROJECTS

Our pioneering projects stand for innovation. Close cooperation with experts and companies results in solutions that enable long-term progress and ensure sustainable success.

100+

PUBLIC RESEARCH PROJECTS IN THE YEAR

We work on more than 100 publicly funded research projects a year. The many patented results resulting from these projects are evidence of the high level of expertise of our research activities.



600+

INDUSTRY PROJECTS IN THE YEAR

Together with leading companies, we develop customised concepts that meet current challenges and create sustainable added value. Through close dialogue with the industry, we ensure successful implementation and promote technological progress.

> 29.000

SQUARE METRES

At the headquarters in Würzburg and the other locations, 130 researchers, developers and technicians have a total of 29,387 m² of modern facilities at their disposal for industry-related research.

RESEARCH THAT MATTERS

For the industry directly.

In modern facilities, we can simulate your production processes on an industrial scale and optimise them from a technical, economic and ecological point of view. The promotion of pre-competitive research within the framework of the Industrial Collective Research Programme (IGF) by the AiF plays an outstanding role. Our members can participate directly in the projects and receive exclusive information on many project results.

As a founding member of the ZUSE community, we always provide you with research that gets results.





We support all important areas of the plastics industry

The SKZ focuses its activities on the further development and optimisation of products and processes. In this way, we provide you with application-orientated support in solving your specific problems.

RECYCLING



Circular economy

MATERIAL

Material development

Compounding

Dispersion technologies



SUSTAINABILITY DIGITISATION

Simulation



METROLOGY



Spectroscopy



Non-destructive testing



Component properties



Particle measurement

PROCESSING

Extrusion

Injection moulding

Additive Manufacturing

Composite production

Joining, welding, bonding & surface technology

Blow moulding & thermoforming



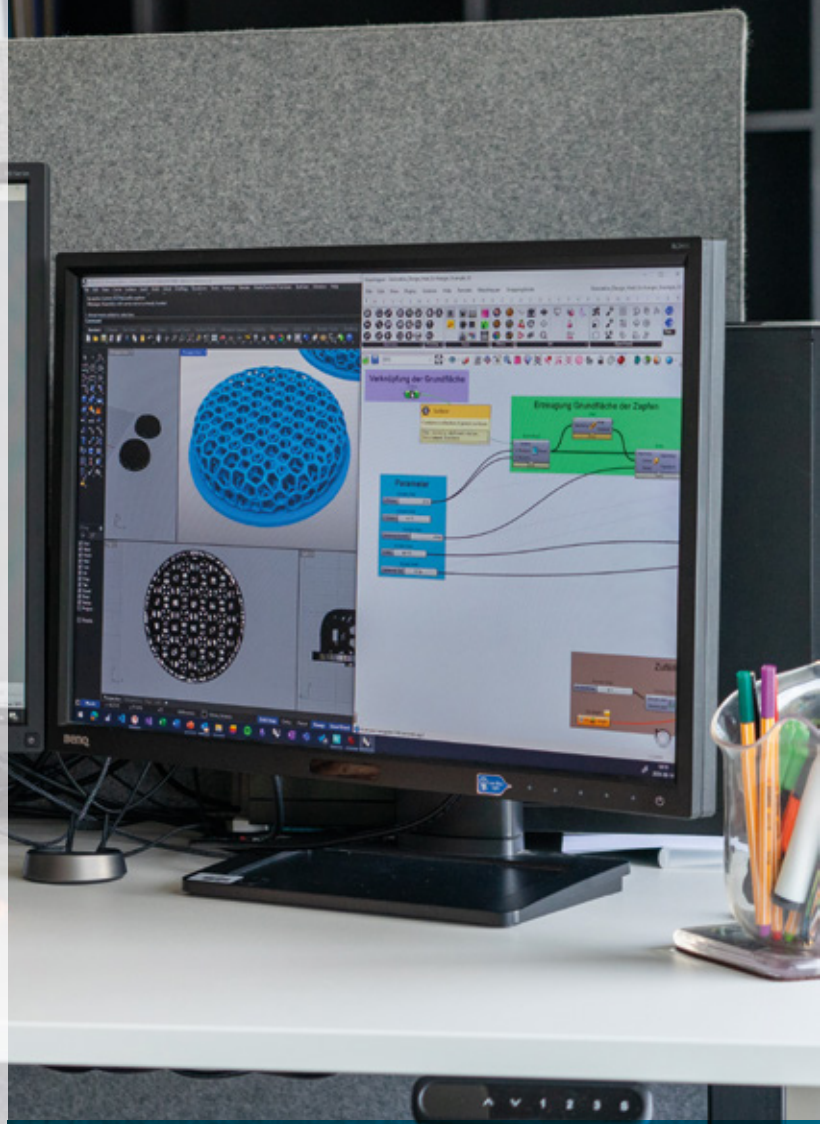
RESEARCH THAT MATTERS

For the industry directly.

There are many **publicly funded research projects** at federal and state level. We support you in selecting the right programme, such as innovation vouchers or BMBF and BMWI programmes. Benefit from our experience in the successful application and realisation of research projects.

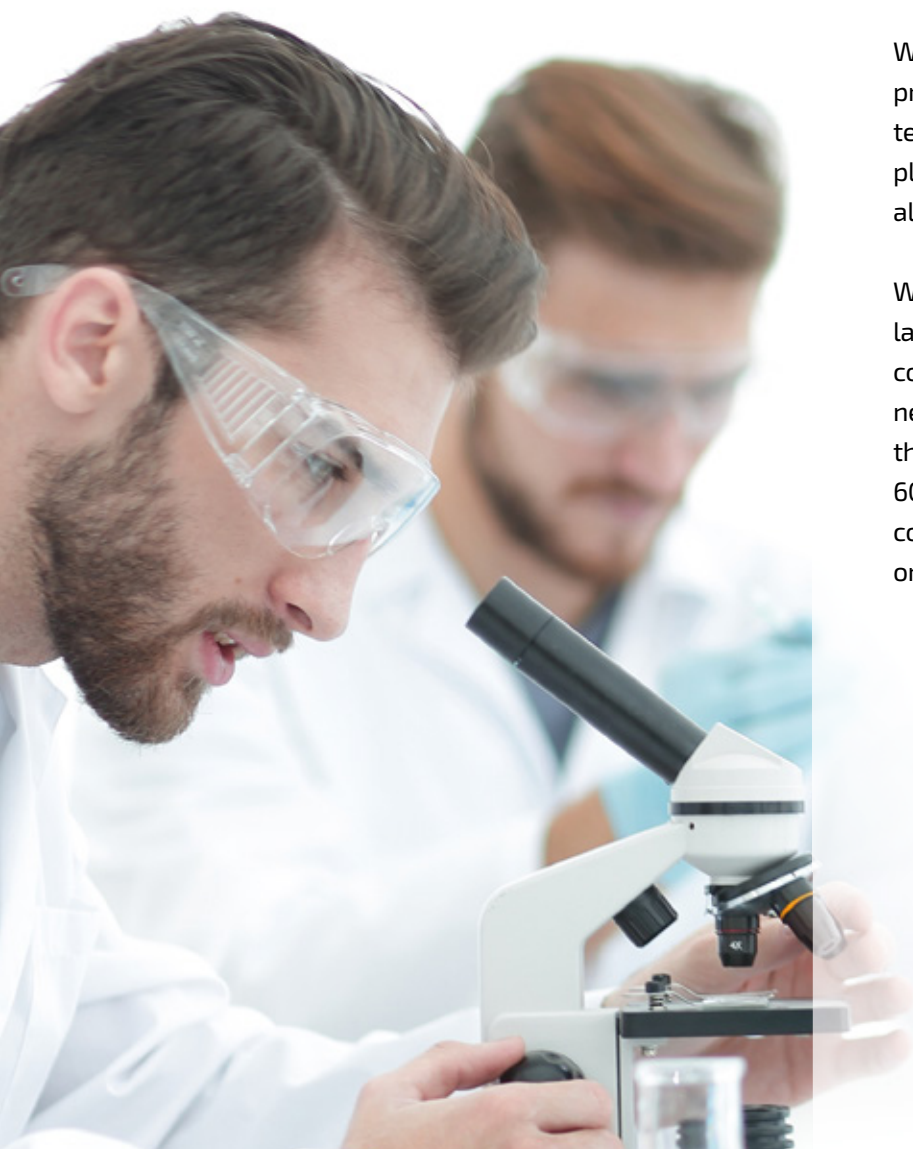
SKZ enabler projects are industry-funded research projects that are practical, innovative and technologically valuable. Several companies share the project costs and the results exclusively benefit the participating companies. You can find an overview of current projects at www.skz.de/forschung/kooperationsprojekte.

Would you like to realise a project directly with the SKZ? We will clarify the scope, costs and duration in a personal discussion - even under confidentiality if desired.



SAFETY THROUGH TESTING

With solutions from a single source.



When it comes to analysing and optimising process sequences, evaluating processing techniques and tools or carrying out complex damage analyses, the experts at SKZ are always ready to help.

We are happy to make this knowledge available to companies, processors, insurance companies, courts and you, and our absolute neutrality and independence, combined with the expert knowledge we have built up over 60 years, guarantee that we are an expert, competent and reliable partner for all questions relating to plastics testing.



>1.000

STANDARDS AND RULES AND REGULATIONS

We test according to over 1,000 standards and regulations at our two locations. This makes us your reliable partner for all questions relating to plastics testing.

130

TESTING SPECIALISTS

At the Würzburg site, 80 engineers, scientists and laboratory technicians work in the accredited test laboratory, and you can rely on all these specialists!



DAkkS

Deutsche
Akkreditierungsstelle
D-PL-19033-01-00
D-IS-19033-01-00
D-ZE-19033-01-00

5.000

SQUARE METERS

Thanks to a total laboratory area of approx. 5,000 square metres, state-of-the-art technology and infrastructure, we are one of the largest and leading specialists in the industry.

SAFETY THROUGH TESTING

With solutions from a single source.



Test methods play a central role in ensuring the quality, properties and usability of products. These tests range from simple functional tests to highly complex molecular analyses.

Functional tests check whether a product fulfils the promised functions and works reliably in the intended context.

In addition, physical and chemical properties such as strength, hardness, elasticity or corrosion resistance are tested. Mechanical tests are used to determine the load-bearing capacity of components, for example.

Finally, molecular structure analyses provide deeper insights into the chemical structures and their effects on product quality.

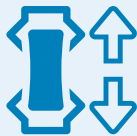
The combination of these test methods ensures that products fulfil the high requirements for quality, safety and functionality.



Certified products offer clear advantages in terms of product quality and customer confidence. We test a wide range of products for quality, properties and suitability for use.



PRODUCTS



PROCESSES

- Weathering and UV resistance
- High-pressure autoclaves
- Drinking water hygiene tests
- Microscopy and spectroscopy
- Tensile and pressure tests
- FNCT (Full Notch Creep Test)
- Heating ovens/climate chambers
- Thermal analyses (DSC, TGA, TMA)
- and many more

- Pipes and pipe systems
(e.g. drinking water and heating pipes)
- Fittings
(e.g. single-lever mixers)
- Profiles (e.g. window profiles) and sealants
- Films and membranes
(e.g. agricultural films, roofing membranes)
- Geosynthetics
(e.g. geogrids)
- Pet toys and pet supplies
(e.g. chew toys, bowls)
- Medical products
(e.g. insulin pens, Luer systems)
- Automotive components
(e.g. cable protection conduits)



POSSIBLE CERTIFICATIONS

- SKZ mark
(pipes, pipe connectors, manholes)
- UBA certification
(for products in the drinking water sector)
- CE certification
(geosynthetics and building membranes)
- GS certification
(recyclable material containers)
- Vinyl-Plus
(sustainability programme for the PVC industry)
- Operation Clean Sweep
(minimise granulate losses - protect the world's oceans)



Deutsche
Akkreditierungsstelle
D-IS-19033-01-00

17020
Inspection body
of type A

We are a type A inspection body accredited in accordance with DIN EN ISO/IEC 17020 for quality assurance in the manufacture of products and external monitoring, for example on construction sites.



Deutsche
Akkreditierungsstelle
D-PL-19033-01-00

17021
Certification
of management
systems

We are your competent partner for individual management certifications. This is the best foundation for the performance and economic success of your company. It is the entrance ticket to the markets relevant to you.



Deutsche
Akkreditierungsstelle
D-PL-19033-01-00

17025
Test laboratory

In our independent DIN EN ISO/IEC 17025 accredited test laboratory, we not only test according to industry norms and standards, but also develop an individual and solution-oriented test program according to special requirements upon request.



Deutsche
Akkreditierungsstelle
D-ZE-19033-01-00

17065
Certification body

The certifications of our DIN EN ISO/IEC 17065 accredited certification body help to win new orders or justify existing ones. Certified products offer clear advantages for gaining market share or new customers.

UNDER HAND AND SEAL

Reliable partnership.

Objective, impartial appraisal and expert assessment are guaranteed with us. Our competitive advantage lies in our flexibility and professionalism. For example, we attach great importance to competent and value-added auditing of our customers and ensure this through regular training and monitoring procedures. Furthermore, our customers and their certification procedures are supported by an experienced project management team.

Due to the high-level structure of the standard bases, we can offer you integrated management solutions that can support your specific corporate strategy even better.



COMMITTEE WORK

We support our industry.



The aim of the non-profit, technical-scientific association is to promote plastics applications and, in particular, to support education and training as well as research and development. Through your membership fee, you help us to provide the necessary resources for this purpose.

Through your involvement in committee work, you also have direct access to research results and help shape the future course of the industry and the SKZ. In this way, you can continue to access the guidance you need at SKZ in the future.



BOARD OF TRUSTEES

Represented by eminent personalities from business, politics and associations, the Board of trustees advises the administrative council and the management in strategic and political matters.



BODY OF EXPERTS

Experts are involved in the respective departments and submit proposals for R&D topics, or support the standardization activity. Are you interested? These circles are open to interested specialists.



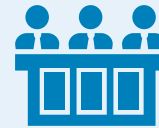
PROJECT MONITORING COMMITTEE

In currently about 40 different technical committees, experts ensure the practical relevance of the project process and benefit from the results at an early stage. The committee work is open to interested experts.



ADVISORY BOARD

Reknown plastics technology experts advise the administrative council and the management on technical issues and support the corporate design and further development of SKZ, especially within the research branch.



PROJECT RELATED COMMITTEE

In about 40 different expert committees, experts ensure the practical relevance of the project and benefit from the results at an early stage. The committee work is open to interested experts.



SKZ is the solution provider for questions concerning polymer materials.

Kurt Gebert

ALLOD Werkstoff GmbH & Co. KG



The SKZ network is fundamentally important for the plastics industry.

Marcus Wirthwein

Wirthwein SE



SKZ manages to bring together all key players to work on common concepts.

Sandra Füllsack

motan holding gmbh



SKZ is driven by industry needs.

Matt Sieverding

Brückner Group

NETWORKING OPPORTUNITIES


Be part of a strong community!

Just get in touch with the right people: industry colleagues, science, associations and politics. Everyone is there and the paths are unique. You don't need to knock, kneel and beg, just talk to each other and you are a big step ahead. It would be nice, if it was always that easy.

Winning often means using the right group at the right time. In a strong network you are a visibly strong player.

CONFERENCES

Exchange and expert knowledge.



Every year, we bring together experts and interested parties to discuss current specialist topics at our conferences and as part of our network week. In addition to presenting industry topics, practical examples and the latest research findings, there is plenty of room for dialogue and networking at these events, which usually last several days.

Here, too, there is the opportunity to become actively visible as a network partner in the form of presentations, participation in discussions or as an exhibitor in the conference environment and to make valuable and relevant contacts.

Whether in our SKZ Model Factory or at external locations, all our conferences take place in modern facilities. Equipped with the latest technology, they offer perfect conditions for professional dialogue and networking, guaranteeing a first-class event experience.



15+

CONFERENCES PER YEAR

With our specialist conferences, we cover the entire spectrum of the industry and offer experts a comprehensive platform for dialogue. From current trends to specialised topics, the events offer a wide range of insights and practical solutions. Our conferences promote the transfer of knowledge and strengthen the network of participants in all relevant areas.

1.500+

PARTICIPANTS

Over 1,500 participants a year took the opportunity to find out about the latest developments, make valuable contacts and exchange expertise. The high number of participants underlines the great interest and relevance of our events in the industry.

STATE-OF-THE-ART PREMISES

Our specialist conferences take place in modern facilities that offer an optimal learning and working atmosphere. With the latest technical equipment, we create the ideal conditions for successful events and a smooth exchange between participants.



3D-Druck:
Was Mediziner
erwarten



Fluorpolymere



Polyamide



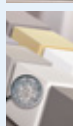
SKZ-Technologietag
SKZ-Netzwerktage



Antriebskonzepte
für Ein- und Doppel-
schneckenextruder



**Faserverbund-
werkstoffe** im
Schienenfahrzeugbau



Polymerschäume
Perspektiven
und Trends



**Thermoformen
technischer
Bauteile**



**Barriere-
Verbundfolien**



**Folien und
Fahrzeug**
Plastic Films
in Mobility



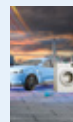
Polypropylen
im Automobilbau



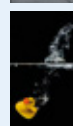
**Trends in Fire
Safety** and Inno-
vative Flame Retar-
dants for Plastics



**Bewitterung
von Kunst-
stoffen**



**fuse box
meets
dryer** –
Kunststoffe in E&E
Anwendungen



**PVC -
Plastisole**



**Umweltgerechte
Kunststoff-
verpackungen** –
umdenken



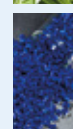
Blasformen



**Kunststoffe in
Brennstoff-
zellen**
und moderne
Batterietechnik



**Silicon-
elastomere**



**Würzburger
Compoundier-
tage**



**Duisburger
Extrusions-
tagung**



**PA12
Druckrohrta-
gung**



**SKZ-
Innovations-
tag**
Circular Economy



**Würzburger
Kunststoff-
rohr-
Tagung**



TESTING

We support your product policy through quality testing and quality assurance and thus provide valuable arguments for your sales markets.



TRAINING

We are the market leader for training and knowledge transfer in the plastics sector with more than 10,000 participants per year.



RESEARCH

We stand for market-driven development and improvement of products and production technologies.



CERTIFICATION

With certification of management systems, we offer the best prerequisites for efficiency and economic success.



INDUSTRIE CONSULTING

As a contact person without interface problems, we resolve issues through interdisciplinary cooperation between our divisions.



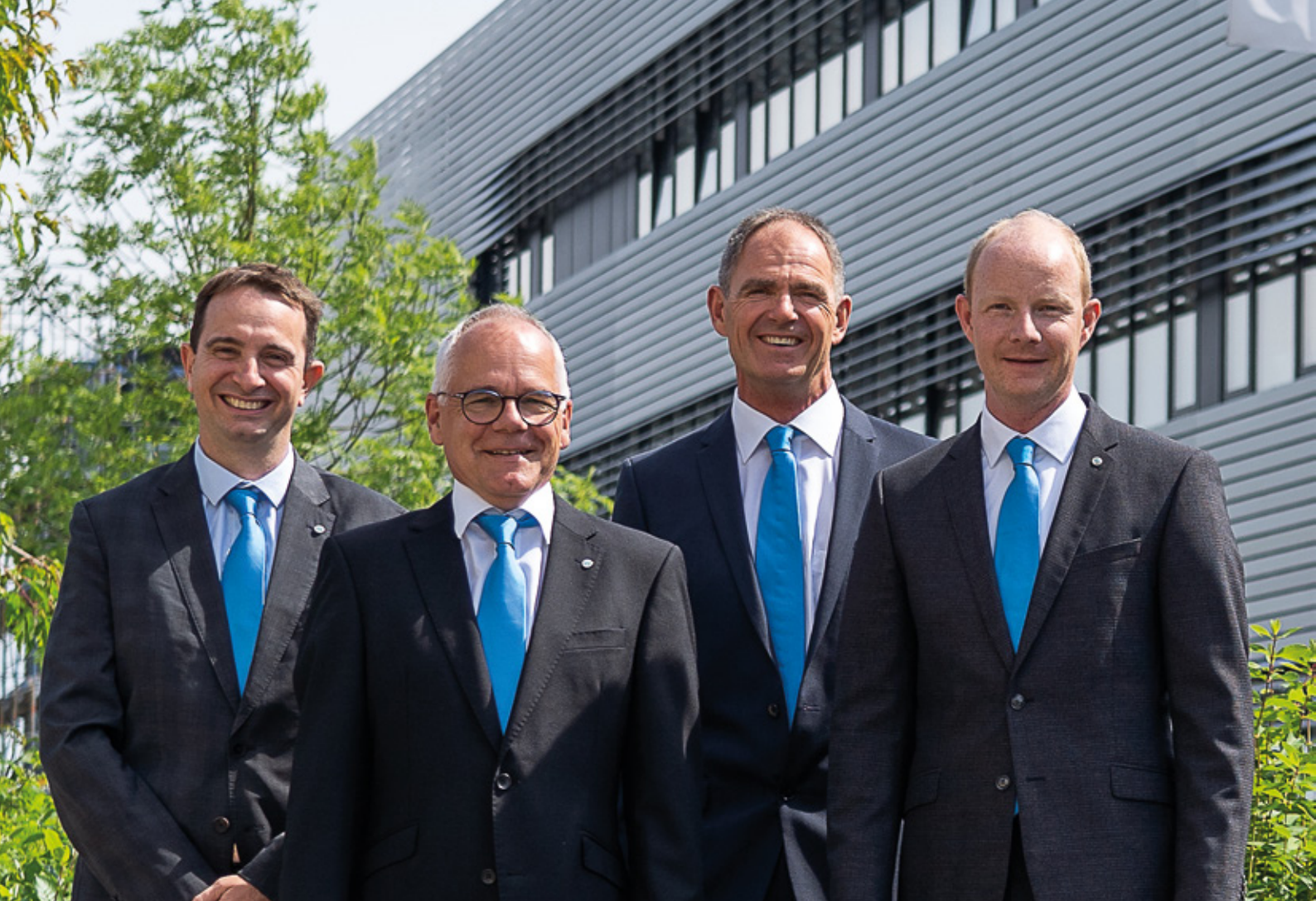
EZD EUROPEAN CENTRE FOR DISPERSION TECHNOLOGIES

We are an interdisciplinary research and technology transfer center focused on the preparation and characterization of dispersions.

COMPETENCE IN PLASTICS

Profit from our know-how!





Reliable partners in the SKZ!

The managing directors from left to right: Dr. Benjamin Baudrit (Deputy Managing Director Education & Research), Robert Schmitt (Managing Director Certification), Prof. Dr.-Ing. Martin Bastian (Chairman of the Management Board), Dr. Thomas Hochrein (Managing Director Education & Research and Managing Director Testing)

As one of the largest plastics institutes in Germany and the world, we offer practical solutions - tailored to your needs. For over 60 years, we have seen ourselves as a partner to the plastics industry with far-reaching system competence: Through quality testing and quality assurance, we support your product policy and provide valuable arguments for your international sales markets. We are the market leader for further education and knowledge transfer in the field of plastics with more than 600 different events annually. In the field of research, we stand for market-driven development and improvement of production technologies. With the certification of management systems, we offer the best prerequisite for performance and economic success.

Become part of a strong community!

With more than 440 members, the support association for SKZ is currently the most important and dynamic network - when it comes to plastics. Benefit from numerous cooperation opportunities by networking with experts from all areas of the plastics industry. Our network reflects the breadth of the industry and offers excellent opportunities for cooperation between business, science and politics.

More info at: www.skz.de
or contact us at fskz@skz.de.

SKZ - German Plastics Center

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