



Plastic Materials in Plant Engineering

New Developments and Experience
in the Industrial Application

November 25 – 26, 2025,
Erding near München

Program



About the Conference

The 9th International Conference on **Plastics Materials in Plant Engineering** offers a comprehensive overview of topics related to plastics in container and plant engineering. Practical and informative presentations will bring participants up to date on the latest developments in plastics in industrial plant engineering. The latest developments and findings will be presented and discussed.

In addition to interesting practical presentations and project reports in the field of container, plant, and pipeline construction, you can expect informative presentations on topics such as materials, research & development, joining technology & testing methods, as well as the design, layout, and material selection of thermoplastic components. The EU Drinking Water Directive will also be a topic, as will the latest developments in the field of PFAS.

Take advantage of this opportunity to network and bring your knowledge up to date!

You will also have the opportunity to find out about products and services from the industry at the trade exhibition accompanying the conference.

Committee

- **Thomas Boehm**, Basell Polyolefine GmbH
- **Günter Dreiling**, Borealis Polymere GmbH
- **Stefan Kaul**, FRANK GmbH
- **Prof. Dr. Marcus Hoffmann**, University of Applied Sciences Kempten
- **Andreas Redmann**, Kunststoffrohrverband e.V.
- **Marco Stallmann**, SIMONA AG
- **Andreas Stäblein**, TÜV SÜD Industrie Service GmbH

Target audience

- Plant builders and plant design engineers
- Apparatus and tank builders
- Manufacturers of pipe- and ventilation systems
- Engineers and designers
- Plant operators
- Manufacturers of raw materials and semi-finished products
- Specialized dealers for plastic materials
- Research and development, universities
- Government agencies and associations

Conference languages

German and English

A simultaneous translation into English will be provided for all presentations given in German.



Exhibition

Interested companies have the opportunity to present their products and services at the exhibition which will be held parallel to the conference.

Reserve your stand as soon as possible, as space is limited. For further information, please contact Bianca Krebs (bianca.krebs@tuvsud.com, +49 89 5791 3226).

November 25, 2025

09:00 **Welcome**
TÜV SÜD

Materials

09:15 **Use of recycled plastics in non-pressurized plastic pipe systems – challenges for quality testing**

Daniel Zach, Montanuniversität Leoben (AT)

09:40 **Fluoropolymers in plant engineering – indispensable now, but also in the future**

Dr. Michael Schlipf, FPS GmbH (DE)

10:15 **Investigation of a PP-RCT pipe after 5 years use with 95 °C hot water**

Roberta Brusi, NUPI Industrie Italiane S.p.A (IT); Olle Persson, Borealis AB (SE)

10:45 Coffee break

Research & Development

11:15 **Methods to measure the oxidation stability of PP and its impact on longterm properties**

Prof. Dr. Marcus Hoffmann, University of Applied Sciences Kempten (DE)

11:40 **Fracture mechanics service life calculation of plastic pipes taking into account the load situation**

Dr. Florian Arbeiter, Montanuniversität Leoben (AT)

12:05 **Leakage proof of thermoplastic flange systems**

Finn Bartmann, Fachhochschule Münster – University of Applied Sciences (DE)

12:30 Lunch break

Project reports and operational experience

- 13:30 **Integrating butterfly valves into plastic pipelines using flanges**
Ralph Ehrlich, Carolin Baltazar,
Aliaxis Deutschland GmbH (DE)
- 13:55 **Long-term study confirms stress modeling and design rules for an IR-welded PVDF piping system after 22 years of service – Best Known Methods (BKMs) – estimation of remaining service life**
Hanspeter Müller, Dr. Katrin Wallheinke,
Georg Fischer Piping Systems Ltd (DE)
- 14:20 **Application examples from seven years of practical experience with Polystone® CubX® twin-wall sheets in chemical tank and plant construction**
Matthias Klein, Röchling Industrial SE & Co. KG
(DE)
- 14:45 Coffee break
- 15:15 **Products under special requirements – Application examples from the process industry**
Dieter Eulitz, SIMONA AG (DE)
- 15:40 **Plastic lining in plant engineering – From sewage treatment to high purity application**
Andreas Kunz, FRANK GmbH (DE)
- 16:05 **Plastic Materials in semiconductor plant engineering – applications and technologies**
Tobias Bausch, AP&S; Reto Salzmann,
SIMONA AG (DE)
- 16:30 End of the first conference day

Evening event:

**Brewery tour of the private brewery
ERDINGER Weißbräu
Dinner at Gasthaus zur Post, Erding**

November 26, 2025

Construction, design and material selection

- 09:00 **The aerodynamics of tank farms**
Dr. Stephen Menzer, Chem Resist Group Ltd (UK)
- 09:25 **When Plastic Meets Hydrogen –
The Pressure Equipment Directive as a
Regulatory Challenge**
Bianca Wattenberg, TÜV SÜD Industrie Service
GmbH (DE)

Joining technology and testing methods

- 09:50 **Development and validation of a application-
specific butt-welding technology**
Sascha Häffner, SIMONA AG (DE)
- 10:15 **New process control approaches for heated
tool welding of thick-walled semi-finished
products**
Fabian Friedrich, Prof. Dr. Andreas Seefried,
Technische Universität Chemnitz (DE)
- 10:40 **Development of a process monitoring
system for hot gas extrusion welding**
n.n., Wegener International GmbH (DE)
- 11:05 Bavarian Breakfast

Standards, guidelines and regulations

- 12:05 **Tightness of plastic valves – what does
“tight” really mean**
Julia Haberl, Praher Plastics Austria GmbH (AT)
- 12:30 **Fit for the Future: Addressing the challenges
and opportunities of the EU Drinking Water
Directive**
Álvaro Pérez, Borealis (ES)

12:55 **EU Drinking Water Directive – requirements for plastics from the perspective of a Notified Body**

Dr. Quirin Sinz, TÜV SÜD Industrie Service GmbH (DE)

13:20 **Approval procedure in civil constructions. Guy ropes made of aramid fibres in civil construction – assessments, test results and approval process**

Jan Lorenz, TÜV SÜD Industrie Service GmbH (DE)

13:45 End of the conference

Chairmen:

Prof. Dr. Marcus Hoffmann,

University of Applied Sciences Kempten (DE)

Andreas Stäblein, TÜV SÜD Industrie Service GmbH (DE)

Conference Fee



€ 960,- plus VAT

The conference registration fee includes digital conference proceedings, lunch, snacks and beverages during breaks as well as the evening event.

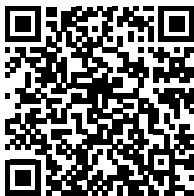
Conference venue

Stadthalle Erding

Alois-Schießl-Platz 1,

85435 Erding near Munich (Germany)

Anmeldung & Information
[www.tuvsud.com/akademie/
congress/plastic-materials](http://www.tuvsud.com/akademie/congress/plastic-materials)



Sponsor

SIMONA

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In cooperation with
TÜV SÜD Industrie Service GmbH