



# Plastic Materials in Plant Engineering

New Developments  
and Experience in the  
Industrial Application

October 10 – 11,  
2023 Munich,  
Germany



## The conference addresses

- 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.

## Committee

Basell Polyolefine GmbH

**Thomas Boehm**

Borealis Polymere GmbH

**Peter Schönbach**

FRANK GmbH

**Stefan Kaul**

University of Applied Sciences Kempten

**Prof. Dr. Marcus Hoffmann**

SIMONA AG

**Marco Stallmann**

TÜV SÜD Industrie Service GmbH, Institute for Plastics

**Andreas Mindl, Andreas Stäblein**

## About the conference

The 8<sup>th</sup> International Conference on **Plastic Materials in Plant Engineering** offers the opportunity to obtain comprehensive information on topics in the field of plastics in tank and plant engineering. Practical and informative lectures are intended to bring participants up to date on the latest developments and findings in the field of plastics in industrial plant construction.

In addition to the area of sustainability and research & development, there will be numerous lectures from practice. Topics from the areas of construction & design and pipeline construction will be addressed as well as the interpretation of the TA Luft and the status of the PFAS restriction proposal.

**Take the opportunity to intensify contacts and update your knowledge.**

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

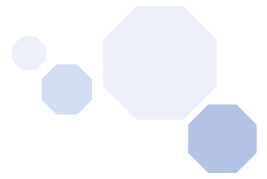
## Exhibition

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

For further information please contact Eva Biechl (eva.biechl@tuvsud.com, Phone +49 5791 1122).

# Agenda

October 10, 2023



09:45 **Welcome**  
TÜV SÜD

## Sustainability

09:55 **Sustainable raw material solutions for industrial plant construction: recycling, alternative feedstock, CO<sub>2</sub> footprint**  
Dr. Yazgan Mete, Borealis AG (AT)

10:20 **Sustainable Products for Plant/Pipeline Engineering Applications**  
Philipp Kuhn, SIMONA AG (DE)

10:45 **PLASTIC FOREVER – Wie nachhaltig ist der Einsatz von Kunststoffen im Anlagenbau?**  
Jan Edel, Röchling Industrial SE & Co. KG (DE)

11:10 Coffee break

## Research & Development

11:40 **Chemical resistance of composite constructions taking the example of SIMONA ECTFE-NK und PVDF-NK**  
Dr. René Stangenberg, SIMONA AG (DE)

12:05 **Heating element butt welding of components with large wall thickness**  
Prof. Dr. Michael Gehde, Technische Universität Chemnitz (DE)

12:30 **Effect of insufficient homogenization during the extrusion of polyethylene pipes on butt fusion joint integrity**  
Dr. Mike Troughton, TWI Ltd. (UK)

12:55 Lunch break

## Construction & Design

14:00 **Solar Heating of Thermoplastic Storage Tanks**  
Dr. Stephen Menzer, Chem Resist Group Ltd. (UK)

14:25 **Spiral Pipes with PFA inliner – new paths for storing aggressive media**  
Frank Ottersbach, Plasticon Germany GmbH; Andreas Kunz, FRANK GmbH (DE)

## Project reports & operational experience

14:50 **Polyolefine Pipe Installation for industrial use**  
Günter Dreiling, Borealis AG (AT)

15:15 **SIMONA® PP-H AlphaPlus® in waterworks – high requirements – safe processes**  
Daniel Gebhardt, SIMONA AG (DE)

15:40 Coffee break

16:10 **Best Practise: AGRU PFA sheets for the sulphuric acid production at the OMV refinery in Schwechat**  
Johannes Derfler, Dr. Markus Haager, agru Kunststofftechnik Gesellschaft m. b. H (DE)

16:35 **Damaged Storage Tanks**  
Dr. Stephen Menzer, Chem Resist Group Ltd. (UK)

## Out of the box

17:00 **Work 4.0 – The Effects of Digitization on the Labor Market**  
Dr. Roland Deinzer, Bundesagentur für Arbeit (DE)

17:45 End of the first conference day

19:00 Evening event

## October 11, 2023

### Lifetime assessment

09:00 **New detergents in ESCR testing**  
Dr. Ricardo Kurz, Basell Polyolefine GmbH (DE)

09:25 **Stress cracking of polymers:  
Influences and comparison of methods**  
Dr. Florian Arbeiter, Montanuniversität Leoben (AT)

### Standards, guidelines & regulations

09:50 **Presentation of TA-Luft (8/2021) on dynamic seals for valves according to ISO 15848**  
Achim Schweizer, TÜV SÜD Industrie Service GmbH (DE)

10:15 **TA Luft: Requirements for thermoplastic flange connections**  
Finn Bartmann, Fachhochschule Münster – University of Applied Sciences (DE)

10:40 **Current status of PFAS Restriction proposal**  
Dr. Michael Schlipf, FPS GmbH (DE)

11:05 Bavarian breakfast

### Pipeline construction

12:05 **Safe transport of critical media in thermoplastic double pipe systems**  
Jürgen Thielen, Stefan Kaul, FRANK GmbH

12:30 **Innovative Jointing Technologies for PVC-U Piping Systems: Infrared Welding**  
Maurice Veldenzer, Georg Fischer Rohrleitungssysteme AG (CH)

12:55 **Intelligent valves in plant engineering**  
Sören Bergmann, Georg Fischer GmbH (DE)

13:20 End of the conference

### Chair:

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

### Conference Fee

#### € 910,00 plus VAT (if applicable)

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



## Registration and Information

[www.tuvsud.com/akademie/kia](http://www.tuvsud.com/akademie/kia)

## For further information please contact:

Susanne Zecher

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## Conference Venue

TÜV SÜD · Vortragssaal Chiemsee

Westendstraße 199

80686 Munich

Germany

Sponsor

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In cooperation with

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