FRP Unlimited

Experiences and developments with Fibre Reinforced Plastics in industrial applications

9th International Conference
February 3 – 4, 2015
Fürstenfeldbruck, Germany

TÜV SÜD Akademie GmbH
TÜV SÜD Industrie Service GmbH
The Conference

20 years FRP Unlimited Conference! Happy anniversary!

In 1995 plant designers, engineers, end-users and plant operators for the first time have taken the opportunity to meet and discuss on FRP material and thus gain knowledge and exchange experience on this unique construction material. Since then this Conference has become a worldwide platform for discussions on the industry’s issues. So every two years experts meet to hear reports on practical experience as well as innovations.

Now for the ninth time participants have the chance to inform themselves about the uses and applications of this unique material.

You will benefit from the experience of well-known companies and experts!

Committee

- Marcus Demetz, TÜV SÜD Industrie Service GmbH, Munich (DE)
- Thomas Hoffmann, Amiantit Germany GmbH, Mochau (DE)
- Johan Huijbregts, Ashland Performance Materials, Rotterdam (NL)
- Gunther Kuhn, TÜV SÜD Industrie Service GmbH, Munich (DE)
- Marta Pascual, DSM Composite Resins, Zwolle (NL)
- Stefanie Römhild, Reichhold AS, Sandefjord (NO)
- Thomas Simoner, HOBAS Engineering GmbH, Klein St. Paul (AT)
- Dr. Elmar Witten, AVK – Federation of Reinforced Plastics, Frankfurt am Main (DE)

Conference languages

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

The Conference addresses to

- Operators of industrial plants (chemical, power, water ...)
- Plant designers and constructors
- Manufacturers of plastic vessels, process equipment and pipelines
- Companies involved in plant installation
- Consulting and engineering companies
- Authorities and associations

Conference fee and venue

€ 820,00 plus current VAT (if applicable)
The registration fee includes conference documentation, lunch and beverages during breaks as well as the evening event.

Veranstaltungsforum Fürstenfeld
Fürstenfeld 12, 82256 Fürstenfeldbruck, Germany
You will receive travel and hotel information with the confirmation of your registration.
Program, February 3rd, 2015

9:30 Welcome

9:45 European composite market development and trends
Dr. Elmar Witten, AVK – Federation of Reinforced Plastics, Frankfurt am Main (DE)

10:00 Composite power at hand: novel systems for pressurized water networks*
Peter Bogers, Commercial Director Versteden Leidingsystemen B.V., Hoogerheide (NL)

10:25 Composite solutions as innovative problem solver in industrial chimneys and cooling towers
Arie van Buren, Sabine Garbe, Ashland Performance Materials, Kehl (DE)

10:50 Corrosion parameter concept versus ASTM testing – alternative ways predicting FRP service life*
Stefanie Römhild, Reichhold AS, Sandefjord (NO); Daniel Ejderholm, Swerea KIMAB, Kista (SE)

11:15 Coffee break and exhibition visit

11:45 Expanding the boundaries of Glassfiber Reinforced Pipe Systems
Hans van Orsouw, Future Pipe Industries BV, Hardenberg (NL)

12:10 FEM Analysis of cooling water pipes with big diameters
Dr. Ingo Lukas, Ingenieurbüro für konstruktiven Ingenieurbau, Lohsfeld (DE); Daniel Kramprich, FKT Fassbender GmbH Industriemontage und Anlagenbau, Remagen-Kripp (DE)

12:35 Strength prediction of ply waviness in composite materials considering matrix dominated effects
Andreas Altmann, Technische Universität München, Institute for Carbon Composites, Munich (DE)

13:00 Lunch break and exhibition visit

14:15 Engineering sustainability: choice of unsaturated polyester resins for cc-GRP pipe systems*
Victor Vladimirov, Thomas Simoner, HOBAS Engineering GmbH, Klagenfurt (AT); Marcin Pazdro, Reichhold AS, Sandefjord (NO)

14:40 Strength at the speed of light – New manufacturing techniques for gas transportation pipes*
Thomas Wegman, DSM Composite Resins, Zwolle (NL); Lars Quernheim, BKP Berolina Polyester GmbH & Co. KG, Velten (DE)

15:05 Practical use of GRP-pipes in water supply and discharge applications
Dr. René Thiele, Amiantit Germany GmbH, Mochau (DE)

15:30 Coffee break and exhibition visit

16:00 Introducing pre-leakage-monitoring for GRP-pipelines
Paul Kluczewski, AREVA GmbH, Erlangen (DE)

16:25 Quality management in the construction of FRP-pipelines with adhesive connections
Dr. Klaus Westendorff, Engineering Office Dr.-Ing. Westendorff, Neuhütte (DE)

16:50 Bioinspired fiber materials
Prof. Dr. Thomas Scheibel, Universität Bayreuth, Chair of Biomaterials, Bayreuth (DE)

17:35 End of first conference day

19:00 Evening event
8:30  Investigation of failure causes of FRP reactors after several years in service
Georges Kappenstein, Ashland Performance Materials, Kehl; Gunnar Bergmann, Swerea KIMAB; Kista (SE)

8:55  Erosion testing of glass fiber – vinylester FRP in water and sulphuric acid solution at elevated temperatures*
Sanna Siljander, Tampere University of Technology, Department of Material Science, Tampere (FI)

9:20  FRP for sulphuric acids services*
Rikard Kärrbrant, Daniel Ejdeholm, Karin Jacobson, Swerea KIMAB, Kista, Sweden (SE)

9:45  Coffee break and exhibition visit

10:05  Newer developments on headrace systems at hydropower plants using GRP-pipes
Joachim Binder, Allgemein beeideter und gerichtlich zertifizierter Sachverständiger, Klagenfurt (AT)

10:30  Spoolable GRE line pipe technology*
Christopher Makselon, NOV Fiber Glass Systems, Houston Texas (US)

10:55  Jacking pipes made of FRP for different applications
Thomas Simoner, HOBAS Engineering GmbH, Klagenfurt (AT)

11:20  Eemshaven Power Plant Units A & B, hard coal fired (2x800MW, Netherlands): GRP-pipes in main cooling water systems on a seawater site
Markus Burkhardt, Olaf Leidig, RWE Technology GmbH, Essen (DE); Richard Warzawa, Kurotec-KTS Kunststofftechnik Stade GmbH, Stade (DE)

11:45  Coffee break and exhibition visit

12:15  Building assessment and surveillance of the construction of power station cooling towers with pultruded GRP-profiles
Peter Meinhardt, TÜV Rheinland Industrie Service GmbH, Halle an der Saale (DE)

12:40  Dust load and environmental consideration for dry-manufactured glass fiber reinforced materials
Dr. Stefan Jakschik, ULT AG, Löbau (DE)

13:05  FRP at the end of its service life – determining parameters, condition assessment and life time prediction
Achim Dörfler, TÜV SÜD Industrie Service GmbH, Munich (DE)

13:30  Lunch/ End of the Conference

* Presentation held in English

Interested companies have the opportunity to present their products and services in the exhibition which will be held parallel to the conference. Reserve your booth today!
Registration at any time at

www.tuev-sued.de/frp-unlimited
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