



Flexibility, Opportunities, Innovations

EDITORIAL

Dear BIW friends,

The year 2013 is characterized by the leading trade show for the plastic and rubber industry, the "K 2013" in Düsseldorf which is held every three years and to which we would like to invite you.

Our completely new trade show booth design that we would like to introduce to you in this edition of BIW COMPACT presents the most important branches of our high-quality products made from silicon rubber and technical textiles. We present the interesting innovations for each segment of the market as well as newly developed customer-specified solutions as practical examples of the competence of BIW. Why not take this opportunity to discover the capabilities of BIW and visit us in Düsseldorf at our trade show booth which is located in Hall 6 A33. We will be there between the 16th and 23rd of October 2013.

Another subject of this edition is a description of the challenges of an external audit corresponding to the current ISO norm standards using the example of three re-certifications by DNV (Det Norske Veritas).

We hope to have aroused your interest in the current developments at BIW.

Hope you enjoy reading

Ralf Stoffels

Dr. Markus Wiethoff

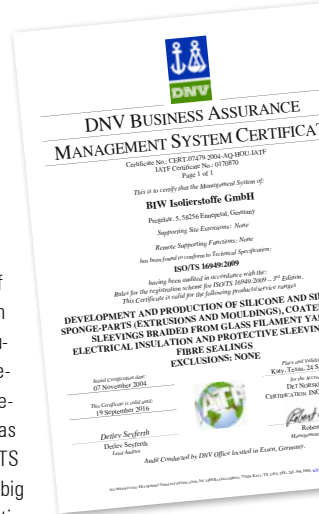


SUCCESSFUL RE-CERTIFICATION

In a huge audit marathon, BIW achieved the necessary re-certifications according to the most important norm standards and thus confirmed, in an impressive way, the functionality of the comprehensive management system.

BIW has been certified for many years, and in some instances, for decades, in accordance with the relevant industry standards. But this autumn saw multiple re-certifications on the cards and these held almost the entire team on tenterhooks for a whole week. Alongside the general industry standard for management systems, ISO 9001, the company was also tested and examined for the automotive standard ISO/TS 16949 including the "Customer Specific Requirements" of some OEMs and First Tiers as well as the Medical Products standard ISO 13485. It was particularly tense since the automotive exports of the plastics and rubber industry specialized certification agents DNV (Det Norske Veritas) were also monitored and tested by a so-called witness auditor in specialist knowledge and capabilities, a third-party observer. Multiple audit teams have thoroughly tested the functionality of the management system based on the Key Performance Indicators (KPIs) from development through to planning, sales, market observations, logistics and, of course, to the production and quality assurance along with after-sales services and documented the progress in the last three years since the previous full audit. Not least as a result of the certification, the personal development in accordance with the IIP (Investors in People) standard, which took place last autumn, the qualification of the team throughout the process chain has been specified as a "Focus Area" and thus audited intensively. Happily, alongside a few recommendations, a lot of positive aspects have been highlighted in the audit report by the DNV auditors and thus the effectiveness of the management system in accordance with the various ISO standards has been successfully confirmed and verified. After years of a successfully

certified and used management system, smaller deviations referred to truly detailed issues such as the statistical formula "Gauge Repeatability and Reproducibility" within the framework of the Measurement System Analysis (MSA) or the documentation in the predictive rather than preventive maintenance as required by the ISO/TS automotive standard. A big praise goes to the entire BIW team which has demonstrably developed the company in a positive direction. In conclusion, the four DNV auditors spent three days on site at the company and found it "in excellent shape" with a management team familiar with even the smallest of process details and a team that masters, implements and documents these processes in an exemplary fashion. In addition, the auditing sector for the Medical and Pharmaceutical items by the specified ISO 13485 auditor, a newly developed BIW drainage tube was also subjected to an internal risk evaluation and the documentation was examined in view of approval as a standalone medical product.



__ RALF STOFFELS

WELCOME TO THE K 2013 IN DÜSSELDORF

Experience the versatility of BIW's competence in silicone and technical textiles!
You can find us in **Hall 6 at Booth A33** between **16th and 23rd October 2013** daily from **10.00 to 18.30**.

BIW – AUTO MOBILITY AT ITS BEST



Today there are very few cars from a European OEM that do not contain a BIW item. And for good reason many years of experience and the high level of reliability are important arguments to choose BIW. Market-driven prices, a top-quality and constant innovations are very appreciated by the Global Players in the automotive sector. In particular, when it comes to e-mobility, the competences of BIW with regard to silicone and technical textiles are currently requested. The orange colour of our latest cable protection system shows this clearly. Find out about the performance range at our trade show booth.

BIW – RENEWABLE AND SUSTAINABLE ENERGY

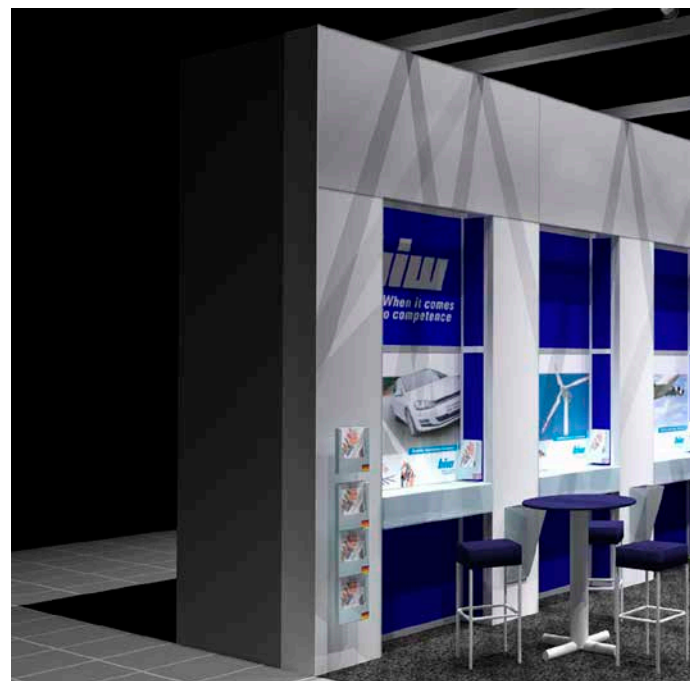
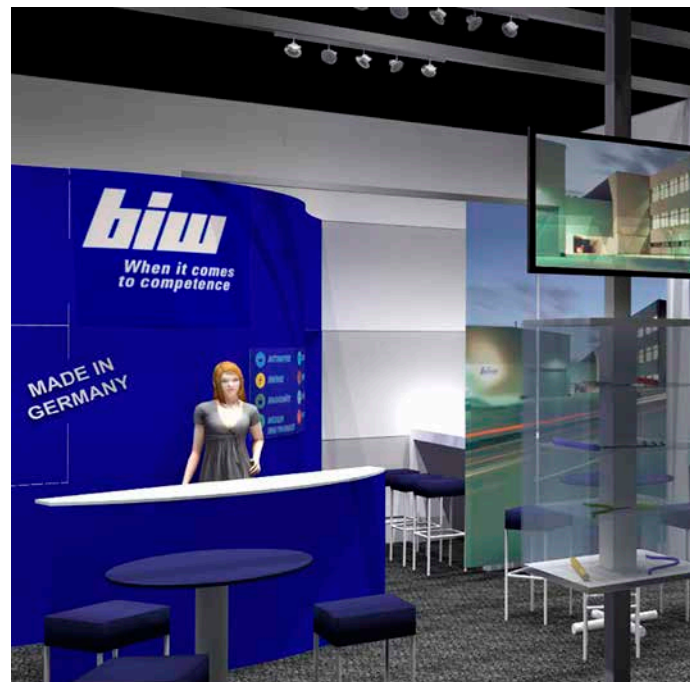


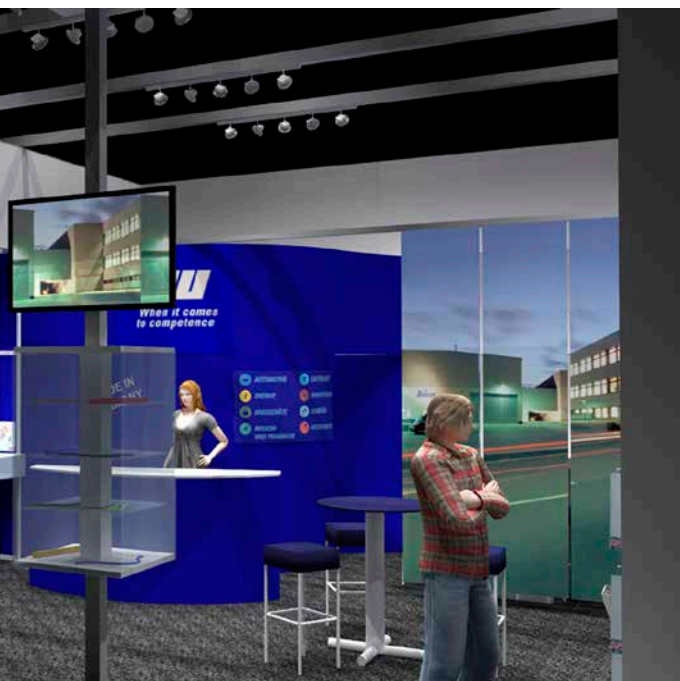
BIW is not only in favour of sustainability as a company and in their partnerships with customers, they also place focus on this virtue when it comes to energy as well. In particular, when it comes to the sustainable energy sector, especially wind-generated energy, there are innovative solutions to meet special insulation requirements. This refers to mechanical, thermal and natural electrical properties which must be ensured throughout very long lifetimes in these energy systems. Innovative material combinations play an important role here. We would be happy to explain our approaches. Why not have a word with us?

BIW – FOOD CONTACT PRODUCTS FREE OF CONCERN



If you were to reduce all the devices in your kitchen to their constituent parts, you would already have an overview of the range of BIW products in the household appliance sector. Whether coffee machine, microwave, dishwasher, pressure cooker or oven, you will find functional elements employing the silicones or technical textiles of BIW. For good reason, you don't have to worry if your foodstuffs get into contact with our materials since BIW products meet all the physiological requirements. Even foamed silicone is approved in accordance with BfR and FDA.





BIW – WE CARE ABOUT YOUR HEALTH



In case you get ill, need to take prescription medication or require vaccinations, we hope that these agents are filled using BIW silicone tubes since we employ silicones that meet all the necessary physiological requirements. These pharmaceutical tubes are one example of the large range of medical and pharmaceutical technologies that BIW provides, including clean room technology. The range starts from extruded tubes and profiles to moulded seals and functional elements in medical devices and ends with breathing masks for premature babies. We have the right solution for every application based on our certified medical products management system (ISO 13485).

BIW – LIGHTER SEALS MAKE FLYING EASIER



Anyone who has taken off with the Airbus A380 knows what good quality is. But without BIW, this would not have been possible since the development of weight-reduced sealing solutions on a silicone basis was extremely important. BIW mastered this challenge to the full satisfaction of Airbus, whilst taking fire-related requirements (e.g. selfextinguishing) into account, and has been asked to work on innovations for the new A350. Let yourself be amazed by what silicone can do!

BIW – ZERO HALOGEN LOW SMOKE SEALS PUT PASSENGER SAFETY FIRST



It is not the fire itself, but smoke and gases that cause the most extensive of consequences after accidents involving fire. The internal BIW compound development department has implemented recipes for these instances which will significantly reduce the risks of smoke and gas poisoning (low smoke / low tox qualities). The safety of passengers in rail vehicles is considerably improved by the use of BIW silicone products, for example, seals and window strips. The suitability of BIW products for these rail applications can be proved with the appropriate certifications and approvals. Convince yourself.

BIW – GO FOR A PVC FREE SHOWER



We don't know whether you use the water in your shower as drinking water. But if you do, you don't have to worry when a BIW silicone inliner is installed in your shower hose because the silicone used by BIW for sanitary-related products meets all the current national and international drinking water standards, e.g. KTW or NSF 61. And with silicone in use, your tap fitting is also guaranteed to be PVC free. Put your trust in us, BIW silicones are also a good choice for sanitary applications both for bathroom sinks and in the kitchen.

TRAINING SESSION ON SILICONE AND THE COMPARISON OF SUCH WITH OTHER ELASTOMERS AT MOMENTIVE PERFORMANCE MATERIALS IN LEVERKUSEN



Kai Oliver Siemes, Behdad Assadollahzadeh, Angelo Vitanza, Anja Benninghofen, Sascha Kaiser, Diana Reinhardt, Hans Jörg Oberberg, Harald Schnellenbach, Ingrid Balthes-Schneider, Oliver Braselmann

Our trainees and staff from various BIW departments were treated to an impressive demonstration of the materials silicone can be manufactured from. To do this, the raw materials were not just presented as chemical formulas, but also with samples of the individual raw materials.

The seminar showed both the advantages and the few disadvantages of silicone compared to other elastomers. The usage examples showed the versatility of silicone.

Then the technical centre of Momentive showed the processing of liquid silicone (LSR). The seminar continued with the production facilities for LSR and HTV rubber. The Conti system for HTV rubber types was particularly impressive.

We would like to thank Mr Rolle from Momentive for the implementation and organisation of the session.

— HARALD SCHNELLENBACH



WELCOME TO THE TEAM MICHAEL HAAS

NAME: Michael Haas

POSITION: Head of sales for South Germany

EDUCATION: Tool maker,
Fine works technician

INTERESTS: Sports, travel, cooking/barbecues

GOALS TO ACHIEVE AT BIW:
Expand the sales sector in the region of South Germany to get closer to achieving the aim of market leadership.

BIW WELCOMES FIVE NEW TRAINEES



Harald Schnellenbach, Maximilian Bohm, Timo Janschulte, Kevin Pauly, Angelo Vitanza, Kai Oliver Siemes, Thomas Perian, Behdad Assadollahzadeh, André Deinert, Kay Yanik Krappitz, Caglayan Cifci, not included on the photograph: Anja Benninghofen

On August 1st 2013, five new trainees started out in their future professions. Four trainees as process technicians for plastic and rubber technology under the leadership of their training manager Harald Schnellenbach, and one trainee industrial mechanic under the leadership of training manager Thomas Perian.

We would like to take this opportunity to extend our trainees a very warm welcome and to wish them every success. We would also like to congratulate our "former" trainees on the successful completion of the training.

In 2013, BIW has also taken on their trainees after the successful completion of their training: four process technicians for plastic and rubber technology, one industrial mechanic and one commercial trainee who is now integrated in our purchasing department. Two other commercial trainees are still studying for their final examination. We would like to welcome our specialist staff and wish them every success in their professions.

— ANJA LANGNER

IMPRINT

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