

Dear partners and colleagues,

Requirements to customized solutions for respiratory air and industrial applications are continuously growing. Constant uninterrupted operation is a standard for BAUER – at difficult locations in hot countries, in container installations for mobile applications, or in systems for the chemical industry. We also set trends for air or gas quality and for energy consumption.

It is no secret that our company is always a step ahead of others. BAUER KOMPRESSOREN can cope with every individual challenge all over the world thanks to our well-proven and smartly structured program of product modules.

Our development department is continuously working to extend and optimize our modular system for customized solutions. Success proves us right – twice so. Bio gas compressors for feeding into public gas networks for instance are built from our standardized modules; this is only one of our many contributions to protection of the climate.

Read more in our B-News.



Cordially yours,

Stefan Hacker

Stefan Hacker, Managing Director
BAUER KOMPRESSOREN GmbH

Abu Dhabi

MERKEL INAUGURATES BAUER NATURAL GAS FILLING STATION

During her official visit to the United Arab Emirates, German Chancellor Dr. Angela Merkel inaugurated the first natural gas filling station in Abu Dhabi. Besides this contracts were signed between BAUER KOMPRESSOREN and the state gas authority GASCO about the delivery of 12 further refuelling stations. The value of this order is in the tens of millions.

BAUER KOMPRESSOREN is successfully building a network of gas filling stations in Abu Dhabi. On May 25th German Chancellor Dr. Angela Merkel ceremonially opened the first productive refuelling stations in Khalifa City. The plant is operated by the Abu Dhabi National Oil Company (ADNOC).



German Chancellor Dr. Angela Merkel and Philipp Bayat refuelling a natural gas vehicle.

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Before, the test runs of 17 plants already delivered had been successfully finished. After speeches of the CEO of Abu Dhabi's state oil and gas company ADNOC (Abu Dhabi National Oil Company), German Chancellor Merkel and Philipp Bayat, managing director of the BAUER Comp Holding GmbH, the plant went into service. Before the opening BAUER KOMPRESSOREN and Abu Dhabi's state gas company GASCO signed a contract on the delivery of 12 further plants. The value of this order is in the tens of millions.

ADNOC commissioned BAUER KOMPRESSOREN in July 2008 after a 2-year tender procedure with the production of ready-for-use natural gas filling stations. In the first phase, a pilot plant and 16 further plants were delivered to Abu Dhabi, a commission with a total value approaching several million Euro. In future, taxis, buses and municipal vehicles in the ADNOC's fleet are to be run on environmentally-friendly fuel. For BAUER KOMPRESSOREN the order represents a milestone in its cor-

porate history. In the medium-term, the company aims to become the leading supplier of natural gas filling stations in the whole of the Middle East and the neighbouring oil and gas exporting countries.

The state oil and gas company ADNOC holds 10 percent of global oil reserves and has significant natural gas extraction plants. The company put the large contract out for international tender in August 2006. The project was initiated by the Executive Council under the leadership of H.H. Sheikh Khalifa Bin Zayed Al Nahyan and is a high priority for the government of Abu Dhabi.

Quality made in Germany

Besides technological superiority, what tipped the balance in favour of BAUER KOMPRESSOREN over competitors from all over the world was its technical advantage, its high safety standard and furthermore its comprehensive range of services. Another very important



BAUER natural gas filling station in Abu Dhabi shortly before its inauguration.

criterion for this decision: BAUER KOMPRESSOREN delivers complete systems from a single source, from project planning, the treatment of the raw cast parts to the ready to use installation of the facility „Made in Germany“. This control over the whole production process consistently secures the legendary quality of BAUER. For the extreme environmental conditions in Abu Dhabi - sand storms, daytime temperatures of almost 55°C outside and 70°C inside together with damp, salty, extremely corrosive air - BAUER KOMPRESSOREN developed a sophisticated air-conditioning and protection concept for ADNOC.

Since the subjects of environmental protection and petrol prices are increasingly dominating the public debate, the natural gas fuel sector is booming all over the world.



Chancellor Dr. Angela Merkel and Philipp Bayat, managing director of the BAUER Comp Holding GmbH, at the opening of the BAUER natural gas filling station.



DIVING DEEP DOWN FOR SCIENCE

WORLD RECORD IN LONG-TIME DIVING THANKS TO BAUER PURE AIR

Some who are committed to science voluntarily dive down deep. The Australian Lloyd Godson is one of them. For 14 days the sea biologist lived under water in the Sealife Aquarium of Legoland Günzburg. His data polling had a special side effect: With 336 hours, the Australian realized a remarkable new world record in long-time diving. BAUER KOMPRESSOREN as partner was responsible for supplying the scientist with air - permanently and safely.

The intention for diving was to collect data such as vital functions and flow characteristics of blood for the international diving medicine association „Divers Alert Network“ and for the NASA. The results will increase safety in sports diving in the future, and will have impact on studies of long-time sea populating under increased pressure. The scientist shared the basin with a volume of more than half a million litres of water with 1,300 fishes, for instance rays and sharks.

The requirements to the air supply for Godson were enormous, considering this was one of the fac-



Lloyd Godson visiting BAUER KOMPRESSOREN in Munich.

tors absolutely essential for his survival. The habitat of the scientist was built in the form of a diving bell made of steel and concrete. During his stay in this room of 4 square meters, Godson always had opportunity to exit immediately through an opening in the floor in case of emergency. Safe and uninterrupted supply of purest breathing air had to be warranted for 14 days – 24 hours a day.

BAUER KOMPRESSOREN as market leader was chosen for this task. The main reasons for this decision were the excellent purification technology according to BAUER-PureAir-Standard as well as the technical know-how of the BAUER sales engineers in dimensioning the system. Throughout the entire dive, BAUER KOMPRESSOREN continuously supported the system. A powerful 680l compressor of the new POSEIDON edition provided the main supply of the habitat. A MARINER 320 from the PROFI-LINE was provided as additional back-up compressor to take over during the filter replacement breaks. The generated breathing air was reduced to cabin pressure



BAUER compressor for air supply.

through a pressure reducer unit. The cool, dried BAUER breathing air with a humidity of less than 60 percent had an air-conditioning effect for the scientist, and made his work on the ergometer much more comfortable.

Some of the power Godson needed for reading and working was supplied by solar collectors, but he had to generate most of the energy on his ergometer. Considering the high energy requirements, this was not an easy task – he had to push the pedals for up to ten hours a day.

Company owner Heinz Bauer was pleased to congratulate Lloyd personally on this impressive achievement on occasion of an event at the site of BAUER KOMPRESSOREN GmbH.



BAUER B-CONTROL II

NEW COMPRESSOR CONTROL FUNCTIONALITY

Higher memory capacity, free extensibility, and more freedom of programming: The new BAUER B-CONTROL II was considerably improved and now offers even more options than its predecessor.

Compared to the previous version, B-CONTROL II offers considerably higher memory capacity. The number of I/O (Inputs/Outputs) can be extended as required. HMI (Human Machine Interface) and API (Application Programming Interface) of the new control provide a lot more freedom of programming. Graphical elements (Command Buttons) make it easy to operate the touch panel. The new B-CONTROL II unit not only allows to monitor and operate the compressor, but also for instance to control external valves of a pneumatic test station.

The following customer project is a good example for the successful use of the B-CONTROL II:

Welded tube systems are to be successively leakage tested with forming gas at three different test pressures. The pressure endurance test is made with the preset pressures (-100 mbar, 2 bar and 200 bar), controlled by B-CONTROL II.

The large touch panel enables a comfortable and secure operating.

During the pressure endurance period, the tester has the opportunity to test all screw connections for tiniest leakages with a leakage measuring instrument for hydrogen. When a leakage is detected, the test run can be aborted at the touchscreen of B-CONTROL II. The



The larger and clearly arranged Touch Panel of the BAUER B-CONTROL II displays all important data at a glance. This way it enables a comfortable and secure operating of the unit.

pressure is discharged automatically, and then the tester can re-seal the leaking screw connection, and restart the test run from the beginning. The B-CONTROL II takes over the complete regulation of the test cycle in addition to compressor control.

B-CONTROL II can be (re-)programmed not only on site, but also remote per modem (or direct internet connection) from any place. This function was well proven when the system was finally tested

Programming via remote control from any place saves time and costs.

and set-up at the customer's site. BAUER can perform and test program changes directly; this makes missions of engineers redundant and saves costs for adjustments and modifications or software updates.



Both VERTICUS 5 compressors are operated by the B-CONTROL II as a linked system – everything from BAUER.



INNOVATIONS FOR A HEALTHY ENVIRONMENT

BAUER PUTS CORRECT PRESSURE ON BIOGAS

Generating energy from organic waste is a segment of energy generation with a very high growth potential. BAUER KOMPRESSOREN as supplier for the most advanced systems is part of this very environmentally-friendly technology. One example is the revolutionary new pilot system of Bebra Biogas GmbH in Kißlegg in the Allgäu (Germany).

The appearance is misleading: What at first looks like a tiny witch cottage on a meadow in the Allgäu region in fact accommodates the latest technology. BAUER compressors work there as an important component of one of the newest and most modern refining systems for biogas. As part of this particularly environmentally and climate friendly way of energy generation, BAUER pro-

vides the correct gas pressure at the interface between generation and feeding-in – reliably and safely.

The principle is as simple as can be. Organic waste is brought to fermentation in a fermenting container at company Biologische Reststoffverwertung Rupp (BRV) and this process produces organic gas. After cleaning and desulphurization, the contents of approx. 60 % methane are separated by technical-chemical processing. A new kind of membranes is used for this purpose. Compared to standard gas washer system,

Highest ecological standards

these are more resource-saving, and this is an additional contribution to the protection of the environment. The generator trans-

ports the refined methane with a purity degree of 98 Vol. % to the feeding-in point.



The Bebra biogas system.

The subordinated utilization of low-calorific gas makes sure methane cannot evaporate and operation of the system requires no additional block heating plants or heating systems. The „ZeroEmission“ system fulfils the highest ecological standards.

This is where the medium pressure compressors of BAUER apply. The gas is delivered through a line of six kilometres which also serves as buffer storage. The fluctuations caused by the variable pressure from approx. four to six bar have to be balanced permanently. This is an important reason for the operators to opt for the high reliability of BAUER compressors which are in continuous operation in this system. Thanks to the redundant structure of the system, regular maintenance works are easy, and this warrants continuous operation of the system. After compression, the gas is fed into the public natural gas supply network with a constant pressure of 63 bar.



The BAUER compressor station fits perfectly in the Allgäu landscape.



TRADE FAIR ACTIVITIES

NEW PERSPECTIVES BY NEW TRADE FAIRS

Normally, the high season for trade fairs for BAUER is in the cold winter months from October to April. For the first time, BAUER KOMPRESSOREN attended absolutely new events, and lived through a “hot” trade fair summer.

The kick-off with the visit to the „Oil and Gas Expo“ in Astana / Kazakhstan from May 22-24 did not go as planned. The eruption of the volcano Eyjafjallajökull and the following ash rains almost completely stopped air transport. But the BAUER trade fair team had showed the highest measure of improvisation skills and flexibility on the voyage. And it was worth the efforts: BAUER was the sole compressor system manufacturer attending this highly interesting and profitable market for pipelines, petro chemistry, gas and heavy industry. A visit to the state office and departments of the „Nefte-Gas“ & mining industry on the fair booth, followed by an invitation to the „Department of Investment Policy“ opened new, interesting perspectives for long-term business relationships over the next years.

Two more trade fairs took place in June, almost simultaneously: From June 7-12, the „Interschutz“ opened its portals on the new, very modern Leipzig trade fair area. The global anchor fair for fire-brigades and commercial fire-protection takes place every five years only and is therefore attended by many visitors.

While the competitors limited their exhibitions to high pressure compressors, BAUER KOMPRESSOREN presented a new, trendsetting filling management concept consisting of high pressure compressor, B-LAB (online-air monitoring) and B-SAFE (safety filling ramp).

The entire system is controlled and monitored by one central FSCM-unit. The data of the breathing air cylinders to be filled can be read via barcode scanner. At all times this allows to view precise details of number and date of the fills from the memorized data, and to exclude cylinders from filling that are not up to the official requirements. In particular fire-brigades with their high legal requirements to operative safety and air quality much appreciated this concept, which permanently warrants the highest safety

during filling as well as compliance with BAUER’s own, strict PureAir-Standards.

Almost at the same time, the sales team of the industry department for the first time hosted a small but fine booth on the „Internationale Luftfahrtausstellung“ (ILA) in Berlin from June 8-11 in the hall of aircraft furnishers. This

Successful test balloons

was a “test balloon” and looking back we can say it opened many doors to additional contacts in this business segments. The ILA, where the “Who’s Who” of the aviation scene meets, will be a regular event on the trade fair schedule of BAUER KOMPRESSOREN in the future.



The BAUER stand on Interschutz in Leipzig.



JUBILEE

70 YEARS AND STILL GOING STRONG!

Retirement is an absolutely foreign word to him. At an age where most people withdraw from working life Heinz Bauer is really getting started. The co-managing director of BAUER COMP Holding and the central company in the group BAUER KOMPRESSOREN, celebrated his 70th birthday on May 21, 2010.

While the management of the company is passing over to the third generation of the purely owner-managed family enterprise, Heinz Bauer remains the technical visionary of the company. For two decades, he has been initiating and driving new developments with his safe instinct.

How much his technical expertise and friendly personality have won the hearts of his employees



The BAUER team congratulates Heinz Bauer on his jubilee.

showed the surprise party the employees gave him in the cafeteria of the company. He was presented a dart machine, and had to earn his breakfast by playing it smart and precisely: every hit won him a Ba-

varian „Schmankerl“ specialty. The employees presented a „Gstanzl“ (a humorous rhyming chant in local Bavarian dialect) which, tongue-in-cheek, honoured his life-time business achievements.

DIVING

BAUER PURE AIR CONCEPT VERY SUCCESSFUL



The awareness of divers for the importance of the purest breathing air as the most important part of their equipment is growing. The traveling industry has recognized this trend, too. A certification with BAUER's PureAir standard offers advantages for diving bases.

As a trendsetter, the popular diving tour host ORCA from Rosenheim (Germany) for the first time promotes the PureAir-Logo in their new winter catalogues as a quality label for certified diving bases. This is a great communicative advantage for every diving base as it can visually distinguish itself from non-certified competitors.

At the same time, the number of certified diving bases is growing continuously all over the world. As of recently, Buccaneer Diving at Mnarani Club in Malindi/Kenya and the B&J Diving Center on the wonderful island Tioman/Malaysia also supply their customers with breathing air according to BAUER PureAir-Standard.



DATES

gat 2010

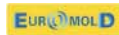


When: 30.11.2010 - 01.12.2010
Where: Stuttgart, Germany

The gasrelated discussion conference (gat) is the key event for all topics concerning natural gas. Gat offers a high quality forum for the exchange within this industry sector: year after year experts from the upper and middle management, supply companies, producers, providers, institutions and public authorities meet in order to carry out recent settlements within the branch and to discuss development options with regard to political and economical challenges.
www.gat-dvgw.de

Responsible representation:
BAUER KOMPRESSOREN GmbH München

Euromold 2010



When: 01.12.2010 - 04.12.2010
Where: Frankfurt am Main, Germany

World trade fair for mould construction, design and product development.
www.euromold.com

Responsible representation:
BAUER KOMPRESSOREN GmbH München

boot 2011



When: 22.01.2011 - 30.01.2011
Where: Düsseldorf, Germany

“360° watersports live“- with its comprehensive range in all areas of watersports, boot Düsseldorf is unique worldwide. A variety of theme worlds offer an overview of all areas of watersports, providing selective information as well as entertainment for visitors at central places inside the halls. Joining in, having fun, experiencing - watersports offer something for everyone.
www.boot.de

Responsible representation:
BAUER KOMPRESSOREN GmbH München

Hannover Messe 2011



When: 04.04.11 - 08.04.11
Where: Hannover, Germany

13 leading international trade shows at one venue

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„ComVac“ ranks as the most important international showcase for producers of vacuum systems and components. Profitable synergies exist with the trade shows „Industrial Automation“ and „Energy“.

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