

BAUER IN ACTION

FORMULA STUDENT – SUCCESS WITH BAUER’S SUPPORT



The sophisticated chassis design ensures the vehicle stays on track even in wet conditions

The BAUER-sponsored racing team *municHMotorsport*, from Munich University of Applied Sciences (MUAS), closed the season with an impressive catalogue of results.

The students had spent almost a year working on their ambitious objectives between workshops and test circuits. Only the vehicles with the most advanced drive and design concepts stand a chance of finishing at the head of this tough race. Given that weight plays a key role in the design of the cars, the team decided to use lightweight pneumatic systems for the transmission and clutch. Their 300-bar compressed air

bottle, made from composite material, is filled by a JUNIOR II high-pressure compressor from BAUER.

The decision to choose a compressor from the Munich-based

leading company was deliberate; the reliability of the air supply, and first and foremost the air quality, are critical factors in ensuring all the vehicle components run smoothly – and can thus ultimately make all the difference between winning and losing.

The team of students entered their combustion-powered vehicle design in Formula Student, the international engineering design event held in three countries, and brought their two racing cars along to the largest Formula Student event at Hockenheim in August.

Despite fierce competition from 115 teams hailing from over 26 countries, *municHMotorsport* and their combustion vehicle design successfully fought their way through to the final of the event.

They took the winners' podium at the famous Red Bull Ring in Spielberg, Austria, scooping the categories of Cost Analysis, Business Plan and Engineering Design with their racing cars. But



*The *municHMotorsport* team at Hockenheimring with their new high-tech racers*



that's not all: munichMotorsport also left the competition behind in the Dynamic Disciplines category, achieving second place in Acceleration.

The team likewise gave their all at the last event of the season in sizzling Barcelona, where their combustion-engine car reached fourth place in the Endurance discipline. This result boosted the MUAS team's position to overall third place in the 2014 season – a huge success all round!

NEW PRODUCTS EXTERNAL DISPLAY

The new external B-CONTROL-MICRO display from BAUER is an attractive and practical solution to an often-heard customer request.



The new external B-CONTROL MICRO display

Space constraints or premises layouts often compel compressor systems to be located in separate rooms, or even some distance away, from their filling systems. This can be a major hindrance to rapid and convenient operation of the system.

Now filling of pressurized air or gas bottles can be controlled rapidly and simply with the new external B-CONTROL MICRO display. The compact metal housing is designed for wall mounting and contains a B-CONTROL MICRO control unit with a full range of functions.

The 3.5" display monitor with brilliant colour delivers reliable readings of all relevant system information.

The compressor system can be remotely controlled, even over long distances – enabling the compressor to be located in a separate building or wing while the

external display can be installed close to the operator in a control centre, diving centre or fire department compressor room.

The external display can be combined with any BAUER compressor system built after 5/2014 and equipped with a B-CONTROL MICRO unit with colour display.

NEW PRODUCTS COMPACT LINE WITH ACD

The automatic condensate drain system (ACD) and automatic shutoff pressure switch have been available for retrofitting to existing JUNIOR and OCEANUS systems since 1 August.



Operation is now far more convenient with the new automatic condensate drain system

The retrofit kit for the ACD and automatic shutoff pressure switch is now available for all COMPACT LINE compressor models (three-phase AC, AC and petrol motor).



Safe diving with BAUER air: A diving team member about to explore the depths

BAUER IN ACTION

DIVING SCHOOL

Here's a school project that must be unique throughout Germany: every summer, the students taking the Marine Biology elective course at the Munich secondary school, Thomas Mann Gymnasium, set off to Kosirina Bay at the Croatian peninsula of Murtar. Along for the ride are two BAUER compressors that provide the di-



Florian Kretzler talking to B-NEWS

vers with pure breathing air.

The timetable for this elective course sounds like the dream of all school students: 9 am to 3 pm, diving and identification of species, or perhaps a boat trip out to measure a bay. After 3 pm school's out, and these "lessons" give way to water sports like wakeboarding or water-skiing.

It may sound like endless leisure fun, but the field trip involved a year's hard work in preparation and on site, as Florian Kretzler, biology teacher and initiator of the project, explained when he visited BAUER.

In addition to their research, all students, supervisors and teachers in the group were involved in common activities ranging from cooking and looking after the equipment to holding talks. These activities brought unexpected abilities to light in some members, and helped to cement the team together.

Research was conducted with extreme professionalism; the students were finally able to put into practice the skills and abilities they

had acquired in the previous year, including microscope work, identification of species and cataloguing. The long-term objective of the annual field camp is to document the negative environmental impacts in the bay; the evidence thus gathered can be used to persuade local authorities to take protective action, such as creating reserves for fauna and marking out fixed mooring points for the numerous sailing boats in the area. To do this, the divers investigate the sediment at the bottom of the bay to determine any changes occurring in the marine life for which it is a habitat. Other members of the group catch animals in the shore area and identify their species before releasing them once more.



Back on land, the research results are immediately processed and evaluated

These tasks will build evidence of how the species in the region are declining over the years.

When BAUER KOMPRESSOREN heard about the project, the company was so enthusiastic that it provided the group with the necessary filter cartridges for breathing air treatment plus fittings for simultaneously filling multiple bottles – all free of charge, as a contribution to sponsoring the field trip.



BAUER INTERNAL TRAINING INITIATIVE



Proud of their teamwork. BAUER's trainee team after the Welcome Day

BAUER confirmed its status as an attractive employer with the thirteen new and highly motivated trainees and apprentices that embarked on their course at the start of September.

To give the new trainees the best possible preparation for their later careers, BAUER recently launched an innovative new project, the Welcome Day, and invited young people from all BAUER companies in Munich and the surrounding area to take part. The trainees were asked to form teams and use their skill and ingenuity to

develop creative solutions to challenging tasks – but, as the name of one team exercise, “flying egg”, implies, fun played a big part in the day’s activities! For information on trainee courses, apprenticeships and work/study courses, see: www.bauer-kompressoren.de/en/jobs-careers/

TRADE SHOWS AUTUMN

SMM, the global leading trade show for the maritime economy, opens its doors in Hamburg every two years.



The joint stand of BAUER and DOMEYER

The 2,100 exhibitors from over 67 countries at this year’s four-day show included BAUER KOMPRESSOREN, presenting as usual at a stand held jointly with the well-known marine and offshore equipment supplier DOMEYER. In line with Hall 5’s central theme of Safety Equipment & Fire Protection, BAUER presented a representative cross-section of its strong range of mobile breathing air compressors, complemented by DOMEYER’s top safety equipment products.

Two weeks later and almost 5000 kilometres further east, the focal theme in Almaty, former ca-



The BAUER stand team in talks with customers

pital of Kazakhstan, was quite different. The city’s Kioge trade show revolved around the oil and gas industry. As the visa facilitation measures for German nationals recently introduced by Kazakhstan show, Germany is a premium partner of this emerging Central Asian country with its rich reserves of raw materials. The black, red and gold emblem of Germany’s prestigious joint presentation was clearly visible at the BAUER stand – as almost everywhere throughout Hall 10. German quality carries considerable weight in the country and is often the clincher in winning project tenders.

BAUER CALENDAR EXHIBITIONS

Euronaval	Paris/France
Topic	Marine
Date	27.10.–31.10.
GasSUF	Moscow/Russia
Topic	Natural Gas
Date	14.10.–16.10.
PCV Expo	Moscow/Russia
Topic	Industry
Date	28.10.–31.10.

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