

HIGHLIGHTS OF THIS ISSUE

COMPACT HAND- HELD ENCLOSURES. THE NEW DATEC-COMPACT.



INSIDE

01/2015



Christoph Schneider



Martin Knörzer



DEAR READERS,

For me, the time has come for a change, for I have passed on my management function with OKW Gehäusesysteme GmbH to Mr. Martin Knörzer, with effect from 01.03.2015.

Seventeen years ago, my father, Dieter Schneider, placed the management of our enclosure production company in my hands, and in the meantime I have also acted as shareholder. I am very proud of the way our company has developed during this time. The design-oriented and continuously growing range of enclosures and tuning knobs, with service to match, the high level of customer orientation, a qualified workforce, a certified management system ... all of this is what makes OKW Gehäusesysteme so successful and so unique on the market for enclosures.

In future, as the principal shareholder, I shall focus on the worldwide OKW group of companies, but I shall remain with the company in an advisory capacity and as a holder of a general commercial

power of attorney. The OKW Group meanwhile comprises 20 companies, which all operate as independent entities on their markets.

My successor, the economics graduate Martin Knörzer, has been working within the OKW group of companies as Managing Director for 7 years now, and thus has not only in-depth knowledge but also the necessary experience. I am sure that he will not only continue to manage the company with his accustomed efficiency, but will also position the company ideally for future tasks. I wish him all the best and the necessary skill and know-how in his new position.

Dipl.-Ing.
Christoph Schneider
Shareholder

„THE TIME HAS COME FOR A CHANGE!”



SYNERGY



EDITORIAL

DEAR READERS,

I have been given the exciting task of managing OKW Gehäuse-systeme as the new Managing Director. The company is in an outstanding position, both structurally and economically. This is an excellent basis for future activities, and for this I should like to thank my predecessor, Mr. Christoph Schneider. You, as our partners, are of course still the main focus of our interest, for maximum customer orientation is firmly established in our corporate philosophy.

To dive straight into the matter in hand, I should today like to present the new OKW customer magazine INSIDE. The main focus in this issue is „Enclosures for robust applications”. Specially for this purpose, we have several enclosures in our range of products that are the perfect choice for this. We also have a new series of hand-held enclosures to match: the DATEC-COMPACT range of mobile enclosures has been given a compact design and offers an ergonomic shape to give you a secure hold of the enclosure.

In addition, I am particularly pleased that the BLOB range of mobile enclosures has won a second award for outstanding product design, the German Design Award 2015. The SYNERGY range, which was only recently launched on the market, also won the iF Product Design Award 2015. SYNERGY combines the advantages of plastic and aluminium in a single enclosure concept, and is available in four basic geometrical shapes: square, rectangular, circular and oval.

We hope you enjoy reading our magazine.

Dipl.-Vw.
Martin Knörzer
Managing Director



„EQUIPPED TO DEAL
WITH WIND, WEATHER
AND TEMPERATURE
CHANGE.“



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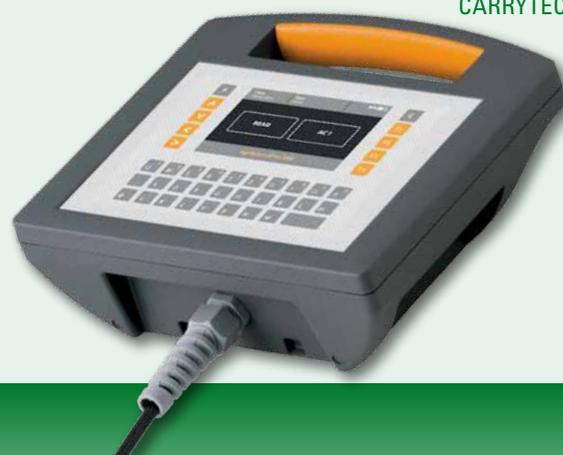
The **WaterPOINT 855** by **sensicore** is a mobile device for analysing water quality (OKW mobile enclosure series HAND-TERMINAL).

“ROBUST ENCLOSURES FOR ROUGH APPLICATIONS.”

KAY HIRMER, HEAD OF MARKETING

Mobile devices that are designed to record, control and transmit data outdoors have to fulfil many different functions. This makes it all the more relevant to think in terms of form and function.

CARRYTEC



MEASURE, CONTROL, REGULATE

The enclosures by OKW are comfortable to hold, have a robust design and high protection classes. Furthermore they are already available from stock in subdued colours and in specific plastic materials that can stand up to wind, weather, temperature and ultraviolet radiation. Data transmission, battery charging or storage of the enclosure after use were also taken into consideration. For desktop and/or wall-mounted applications, numerous stations and holding devices are available as accessories for the relevant ranges of products. All of these features make the enclosures highly interesting for applications in rough conditions. Here, however, we must ask what types of application we are actually talking about. It could for example be mobile data recording and transmission in agriculture and forestry, in the transportation sector, building services systems or environmental monitoring and measuring technology, or mobile or stationary electronic and electrotechnical controllers in outdoor installations. Voltage detectors and digital thermometers in measuring and control engineering are also possible,

as are simple data loggers (temperature, humidity, voltage, pressure, CO₂), to name just a few.

Enclosures to get a hold of

For the above-mentioned applications, for example, the HAND-TERMINAL range of mobile enclosures is ideal. This range of enclosures is proverbially intended for getting a hold of. The ergonomic handle area allows a secure grip – even for different hand sizes and when wearing working gloves. In addition, the positioning of the battery compartment (4 x AA, 1x or 2 x 9 V) in the centre of the case ensures optimum weight distribution, thus promoting carrying comfort during everyday work. There is a large recessed area on the front side for installing interfaces. When the sealing kit (available as an accessory) is used, the HAND-TERMINAL meets the requirements of protection class IP 65. The standard material used is an impact-resistant blend of ABS and PC (UL 94 HB) in the colours off-white (RAL 9002) and black (RAL 9005). The inside of the enclosure is fitted with



HAND-TERMINAL – ergonomic handle for a comfortable grip and optimum weight distribution through central positioning of the battery compartment.



HAND-TERMINAL – plenty of space for operating elements, displays, electronics, emergency stop buttons and OK-buttons.

8 | 9 MEASURE, CONTROL, REGULATE



bridges for a high degree of stability and better contact for EMC shielding, should this be required. The external dimensions are 220 x 120 x 65 mm (L x W x H), thus offering sufficient space for all kinds of display and operating elements, emergency stop switches and displays.

The HAND-TERMINAL is available from stock in 2 different versions: with a closed top part or with a frame cover. The first version has a recessed surface for protecting membrane keyboards etc. The top part with a frame cutout was designed for the use of aluminium front panels which are secured directly from the inside. This allows the preassembly of the complete electronics on the front panel – allowing significant time savings in assembly.

Enclosure with functional carrying handle

The product groups mentioned here only represent an extract of the OKW range of enclosures for outdoor applications. These

include CARRYTEC, which is described in the following. The main feature of this hand-held enclosure is the functional carrying handle as well as a large surface that can be used for user interfaces. A soft TPE insert in the handle ensures a perfect, non-slip grip. The CARRYTEC is available in 3 different sizes and with protection class IP 54 (seal available as an accessory): 222 x 205 x 80 mm (version S), 270 x 247 x 91 / 42 mm (M) and version L in 348 x 303 x 117 mm (length x width x height). Flat, impact-protected areas are ideal for installing interfaces. The CARRYTEC is available from stock in reinforced, impact-resistant



CARRYTEC – ample installation depth and plenty of room for interfaces, yet slim appearance.



CARRYTEC S – complete version with 2 protective side pockets for keeping cables, sensors as well as a shoulder strap.



ASA+PC plastic (UL 94 V-0) in the colours off-white (RAL 9002) and lava. This material offers high UV and thermoforming resistance. A further advantage is its chlorine, bromine and antimony-free flame-retardant capability, which allows it to comply sustainably with environmental directives such as RoHS and REACH. For the smallest S version, there is also a complete variant with 2 protective side pockets and a matching shoulder strap (length 1400 mm) for the safekeeping of utensils or for preconnecting interfaces.

For desk-top or wall-mounted storage, a suitable station with integrated locking function is available in the range of accessories. This means that the enclosure is reliably clipped into the station, but can be removed again quickly by pulling it by the handle. An additional bottom panel ensures that desk-top versions do not slip. In its upright position (with or without station) the CARRYTEC has an ergonomic angle of inclination of 15°. This makes the displayed information easy to read even at

different distances and viewing angles from the enclosure. The station has already been fitted with a flange as standard; this is ideal as a contact surface for transmitting data and charging current. The matching contacting kit (2 mounting plates with 6-pin contacts male/female), a holding clamp for round tubes and equipment rails as well as a battery compartment kit for 5 x AA 1.5V batteries are also available as accessories.

You can find further mobile enclosures for robust applications at www.okw.com. (choose: *Enclosures, Plastic enclosures, Hand-held enclosures*).



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The new **DATEC-COMPACT** series of handheld enclosures has a compact and robust design, ideally suited for mobile devices.



„MOBILE SOLUTION FOR TODAY'S ELECTRONICS!“

OLIVER HERRLICH, RESEARCH & DEVELOPMENT

The new DATEC-COMPACT range of mobile enclosures offers plenty of space and reliable protection for the sensitive electronics of applications, for example measurement and control technology, mobile data recording, medical and laboratory technology as well as environmental technology. Available in three different sizes, the enclosures are not only robust but with their appealing, ergonomic design they are ideal for hard everyday use indoors and outdoors.



THE DATEC-COMPACT SERIES

DATEC-COMPACT enclosures, whether in the S, M or L versions, are comfortable to hold. The design was deliberately kept compact and ergonomic in order to achieve optimum ease of use of the display surface. The gentle contours with many different fine features guarantee an elegant, „light“ visual impression, which distinguishes them from comparable, often unwieldy mobile enclosures. The three sizes of the DATEC-COMPACT range of enclosures are available in the following dimensions: size S: 136 x 74 x 32 mm, size M: 172 x 92 x 39 mm, size L: 206 x 110 x 47 mm (L x W x H). The width and height of the enclosures in the gripping area have been chosen in such a way that they allow a comfortable and secure grip – even with working gloves. In order to make the DATEC-COMPACT enclosures ideal for many different applications, they are made of the UV-resistant, flame-resistant material ASA+PC-FR (UL 94 V-0).

Technical features

The range of mobile enclosures is available from stock in the

2 standard colours off-white (RAL 9002) and lava. The units are designed with 2 and 3 parts and consist of a top part as well as a bottom part with a handle recess at the back, which guarantees secure handling and operation even over a longer period of time, as well as a battery compartment lid. The parts of the enclosure are bolted together with corrosion-resistant TORX T10 stainless steel screws so that the enclosure is splash-proof. In the top part there is a recessed surface where membrane keyboards and/or operating elements can be fitted. In this way, these elements are protected, and the operating panel and top of the enclosure are flush-fitting. The bottom parts offer plenty of room for fitting electronic components. The integrated battery compartments, with separate lids, each accommodate 3 x 1.5 V AAA batteries (S version) or 3 x 1.5 V AA batteries (M/L versions). The battery compartment is made accessible by loosening 2 TORX stainless steel screws and then removing the lid. Here, the batteries are kept safely in a sealed environment. The position of the battery compartment in the lower part of



Your individual case –
The new DATEC-COMPACT is ideal for individual applications that follow your own ideas.



Station – for easy data and charging current transmission available as accessories.

All-in solution for charging – with integrated contacts.

THE DATEC-COMPACT SERIES

the enclosure allows optimum weight distribution and thus facilitates handling, even during work that lasts for a longer period of time. The DATEC-COMPACT enclosures also offer further interesting properties:

- In the protected area in the battery compartment, there is sufficient room for many different kinds of SD cards and/or USB connectors. These can be positioned and reached quickly and easily under the battery compartment lid.
- This area offers a total of 5 options for fitting cards or connectors.
- Through the foamed-in seals, this range of enclosures has protection class IP 65, thus offering the installed electronics a high-quality safety standard.
- PCBs can be installed in the top as well as in the bottom parts – there are sufficient attachments available; (this also applies to the station).

Suitable accessories

The range of applications of the DATEC-COMPACT line of

enclosures is also extended by wall suspension elements adapted to the size of the enclosure, allowing wired or wireless applications. The suspension elements are open at the bottom to make cable connections possible (for wider connectors as well) without subsequent adaptation being necessary. The range of accessories also contains a special station including a bottom panel. This station guarantees safekeeping of the unit on a desk, at an ergonomically favourable angle of 105°. This means that in this position, the displayed information can easily be read off, even from different viewing angles. The bottom panel of the



3 sizes, with plenty of room for the electronics and all of your operating elements.



With / without battery compartment – for 1.5 V AAA or AA batteries; 3 battery cells guarantee reliable 3V power supply.



station is fitted with 4 domes for attaching PCBs and components. The enclosed non-slip rubber feet can be mounted on the underside. The wall suspension elements and stations are each available in the colours of the enclosures and in the same materials.

All-in solution for charging

Besides the enclosure versions already described, versions with 2 installed, gold-plated contact pins < 15A 1-pole are also available from stock. Together with the corresponding contacts in the station (2 x gold-plated spring contacts, F 1.7N, stroke 1.5 mm, < 15A, 1-pole) this represents a comfortable all-in solution for charging. Other accessories are nickel-plated battery contact spring kits, which offer a reliable 3V power supply for the battery compartment version with the help of three batteries. Self-adhesive anti-slide feet give the enclosure stability on the desk. The standard range of accessories also includes self-tapping screws for installing PCBs.

Individualisation according to customers' requirements

The new DATEC-COMPACT range of mobile enclosures is ideal for individual applications to meet customers' requirements. Here, OKW Gehäusesysteme offers a wide range of options which can be implemented in-house at short notice. These include, for example, special colouring in accordance with customers' CI guidelines, a functional EMC aluminium coating on the inside of the enclosure, mechanical reworking for interfaces, individual lettering and printing, application of digital printed foils, décor foils as well as assembly, and much more.



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The **Hydrolux HL 10** is a small, easy-to-operate hand-held unit for locating leaks in water pipes. Its outstanding acoustic properties enable it to reliably detect even tiny leaks (OKW mobile enclosure series SENSO-CASE).

„SYSTEMS FOR MONITORING AND DETECTING LEAKS IN WATER SUPPLY NETWORKS

SEBA KMT, DR.-HERBERT-IANN-STR. 6, 96148 BAUNACH, GERMANY

CUSTOMER APPLICATION



SebaKMT is the world market leader in the development, production and marketing of high-quality measuring equipment and systems in leak detection. In conjunction

with OKW Gehäuseysteme, three devices were developed and produced for this application, the Hydrolux HL10 / HL 50 and the Hydrolux HL 5, which are used for monitoring and detecting leaks in water supply networks.

Hand-held ground microphone with visual and audible leak display – the Hydrolux HL 10 is a small, easy-to-operate hand-held unit for locating leaks in water pipes. The enclosure has protection class IP 54, and is characterised by a robust design. Its outstanding acoustic properties enable it to reliably detect even tiny leaks. The three filter settings allow the device to be perfectly adjusted to the individual task, and interfering background noise is suppressed. The visual LED indicator assists the leak location procedure and simple, one-handed operation allows long assignments to be carried out tirelessly. When the

unit is switched to mute, the current measured value is stored within a range of 10 different levels. Thanks to its outstanding acoustic properties, the best settings for the particular leak situation can be selected using the volume and sensitivity control. Night work is facilitated by an integrated LED light.

Portable leak detection unit with integrated sensor and cordless headsets – thanks to its special ergonomic shape, the Hydrolux HL 50 can be held in one hand while it is in use. The operation of the HL 50 requires only two functional keys, which can easily be reached with the thumb. In the standard version, the HL 50 offers an integrated sensor as well as a cordless headset. There are no annoying connection cables. The HL 50 thus offers optimum freedom of movement, and is ideal for listening to valves and hydrants, but also to fittings in buildings. The noise level measured is shown on a large LCD display, numerically and as a bar diagram at the same time. The currently set filter range is also displayed. At the end of a measurement,



HYDROLUX HL 50 – Portable leak detection unit with integrated sensor and cordless headsets.



the noise level last measured is marked on the bar diagram. For extreme flexibility as well as professional applications, three different external microphones are available for the HL 50.

The OKW SENSO-CASE enclosure range was chosen for the Hydrolux HL 10 and HL 50 – this range of enclosures is made of the material ABS (UL 94 HB) and is optionally available from stock with an integrated make contact function for immediate and/or time-limited operation (stand-by). A recessed



SENSO-CASE – particularly user-friendly thanks to its hand grip style, both right and left handed.

operating area offers room for membrane and silicone keyboards as well as pushbutton and display modules. Large interface surfaces for sensors are located on the front side. The enclosure is suitable for right-handed as well as left-handed persons. At the request of SebaKMT, OKW modified the standard enclosure as follows: production in the customer's colour of light blue (RAL 5012) in ABS (UL 94 HB), and mechanical reworking of the top and bottom parts.

The mini water leak detection unit with visual and audible leak display – the Hydrolux HL 5 is a professional mini water leak detection unit with visual and audible leak display and wireless transmission of the leak noises. It should be in the jacket pocket of every water specialist and plumber for an immediate leak check on site, and is operated with the help of one single button. The wireless transmission of the leakage noises to the headset offers maximum freedom of movement within a range of up to 20 m. The highly sensitive, piezo-ceramic sensor



HYDROLUX HL 5 – The mini water leak detection unit with visual and audible leak display (OKW mobile enclosure series SMART-CASE).



with automatic level control allows excellent quality analyses, even with plastic piping. When set to mute, there is no hissing in the headphones. Whether used as a sensor rod or optionally as a ground microphone with a tripod adapter: three filter settings (low, wide-band, high) allow the unit to be ideally configured for every leak situation. The built-in LED light is a practical companion for night work and for checking water meters in basements. In addition, the HL 5 has an LED display with 10 levels.

The Hydrolux HL 5 was also installed in a mobile enclosure by OKW, the SMART-CASE L. This ergonomically designed enclosure is made of the material ABS (UL 94 HB) or is optionally also available in infrared-permeable PMMA (Plexiglas®). The sweeping design of the enclosure allows optimum, ergonomic handling. The SMART-CASE can be used as a cabled remote control unit, or alternatively with battery operation. Besides size L, 4 further sizes (XS, S, M, XL) are available from stock. Thanks to the recessed operating area in the enclosure,

a membrane keyboard or a decor foil is optimally protected. Matching accessories like a station, a wall suspension element, a belt/pocket clip or a holding clamp allow the enclosure to be put down safely and used for different purposes. For the HL 5, the enclosure was also produced in ABS (UL 94 HB) in light blue (RAL 5012). Through various cutouts and holes drilled in the top and bottom parts, the SMART-CASE was modified internally by OKW to meet the customer's requirements.

sebaKMT
Ein Mitglied der Megger Gruppe

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DATEC-CONTROL – Ergonomic hand-held enclosure in 4 sizes with large display section and narrow hand grip area.



OVERVIEW OF THE SENSORS:

- **Basic quantities**
Digital signals, current, resistance, frequency, and many more...
- **Electromagnetic fields**
Constant and alternating electric and magnetic fields.
- **Temperature, moistness, pressure**
Temperature via thermocouple and Pt 100, etc.; air humidity; pressure.
- **Gases**
Gas concentration of oxygen, carbon monoxide, and many more...
- **Chemical quantities**
pH value, redox value, conductivity.
- **Flow**
in gases and liquids via vane probe.
- **Light, sound**
Illuminance, sound level.
- **Customised sensors**
Further measured quantities and specially developed devices upon request.

„MODULAR MEASURING SYSTEM FOR UNIVERSAL USE.“

REINER FAUSER ELEKTROTECHNIK, AMBACHER STR. 4, 81476 MÜNCHEN, GERMANY

The universal UMS 4 hand-held measuring instrument by Fauser Elektrotechnik can record several parallel measured values through its sensor concept.

CUSTOMER APPLICATION

Through the four independent sensor slots, the parallel measurement of up to 16 variables can be carried out. Limit values, measuring ranges and the information displayed can be configured individually for each channel. The measured values displayed can not only be stored directly in the unit, but also transferred to a PC using the RS232 interface. The DATA-UMS measuring software supports you in evaluation and documentation. The CHEM1 sensor can be used to determine pH value, redox voltage, electrolytic conductivity and temperature, for example; gas sensors are optionally available for the variables O₂, O₃, CO₂, CO, as well as sensors for flow rate, pressure, humidity etc.

The UMS 4 hand-held measuring instrument, installed in the DATEC-CONTROL range of enclosures by OKW, offers users maximum operating comfort and easy handling: switch on the unit, plug in the relevant sensor, and the measured values are then displayed immediately. Thanks to the automatic recognition function, the sensors can be changed at any time during



the measuring operation. All user-defined settings as well as the measured data recorded remain in the memory even if the battery is changed (fast change of the AA batteries). The UMS 4 measuring instrument has an integrated energy-saving mode, and thus offers very long readiness for operation – very practical during mobile use in the field.

Fauser
Elektrotechnik

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„ENCLOSURES IN OUR FAVOURITE COLOUR. NOW IN BETTER QUALITY THANKS TO OUR MODERN PAINTING FACILITY.“

NEW PAINTING FACILITY

At the end of February OKW installed a new state-of-the-art spray booth. This new equipment is far superior than our previous version. It incorporates new technology for drying, a special filtration system for the removal of dirt particles and conforms to the highest environmental protection standards.

“With this new spray booth we are able to paint our enclosures and tuning knobs with a lot more flexibility. We can also guarantee a significant improvement in our painting quality.”, so said by Helmut Böhler, Head of PRODUCTION.



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Award

ng

22 | 23

OKW principal shareholder Christoph Schneider and his wife Barbara Schneider at the presentation of the German Design Award in the forum of Fair Frankfurt on 13. February 2015.



„THE BLOB RANGE – DOUBLE AWARD- WINNER.“

BLOB Unit



BLOB Control



BLOB Panel



DESIGN AWARD

GERMAN DESIGN AWARD FOR BLOB

After being honoured with the iF Design Award in 2014, the innovative range of BLOB mobile enclosures has now also received the German Design Award 2015 in the „Special Mention“ category. The three different versions of the BLOB series of enclosures were developed according to the principles of „universal design“. They support applications that are flexible enough to meet the needs of a large number of people with different hand sizes and grasping volumes.

„We are especially pleased to note that our idea and the creation of a series of enclosures for products which have to meet high ergonomic demands are gaining recognition, for the users must want to take hold of the equipment – because they need it, because it feels good and because it also looks great,“ says Dipl.-Ing. Egon Weinlein, Head of RESEARCH & DEVELOPMENT.

The objective of the German Design Award is to discover, present and honour unique design trends. As a competition by industry for industry, which emphasises the enormous design competence of the participants, the German Design Award enjoys an excellent reputation among the public.

The design comes from:
polyform industriedesign
Martin Nußberger
80335 München, Germany
www.polyform-design.de

www.german-design-council.de



Applications for SYNERGY:

Data systems engineering, network technology, building services systems, safety engineering, medical and therapeutic applications, measurement and control technology, and much more.

„PLASTIC AND ALUMINIUM – AN AWARD-WINNING COMBINATION.“

The official certificates were presented to all prizewinners on 27 February 2015 in the course of the iF Product Design Award Night in the BMW World in Munich. For OKW in Munich: Left to Right – Egon Weinlein (Head of R&D, OKW), Martin Nußberger (polyform industriedesign).



DESIGN AWARD

IF DESIGN AWARD FOR SYNERGY

Like BLOB, the SYNERGY range of enclosures, which was only recently launched on the market, received a design award, namely the iF Product Design Award 2015 in the category „Industry“.

The development focused on the unique combination of elegant design and functionality. A total of 36 enclosure sizes convinced the jury with high-quality sophistication. Through the basic shapes of square, rectangular, circular and oval, the enclosure range is suitable for a wide range of different application options, depending on usage and requirements. In particular the connections of the individual components by means of guides, as well as the absence of visible screwed connections, round off the aesthetic appearance. „The SYNERGY combines the advantages of plastic and aluminium in one single enclosure concept. We are pleased that this new family of enclosures

has met with such an enthusiastic response. Today users need products that are not only visually attractive, but also provide optimum, modern functionality,“ says Joachim Altmann, from the RESEARCH & DEVELOPMENT department.

The iF Product Design Award is a globally recognised seal of quality for excellent product profiles and outstanding design achievements. The objective is to achieve a sustained awareness for design among the public. A product that receives an award here has impressively shown its added value.

„SYNERGY IN CUSTOMER
SPECIFIC HEIGHTS AND
COLOURS.“





The new **SYNERGY** family is ideal for individual applications that follow your own ideas. We offer: mechanical processing and special colouring of the plastic parts, digitally printed foils, lettering, printing and special heights of the aluminum frames, each in height increments of 5 mm (max. length of the aluminum profile 300 mm = case height 310 mm).



In August 2009, the Björn Steiger Foundation decided to commission a holistic new development of a vehicle and portable incubator workplace. After 30 months of development, almost 20,000 engineer hours, about 10,000 test kilometres, various crash tests and over five million euro development costs, the fifth generation of the emergency baby ambulance has been created, with the name of „FELIX“.

„PATRON OF THE EMERGENCY BABY AMBULANCE *FELIX* OF THE BJÖRN STEIGER FOUNDATION.“



SPONSORING

OKW Gehäusesysteme has become patron of the initiative „Emergency Baby Ambulance FELIX“ of the Björn Steiger Foundation.

This is now the fifth generation of emergency baby ambulances to ensure the fastest possible care of premature babies. This newly developed system, which comprises not only a portable incubator but also a whole mobile intensive care unit, guarantees safe and fast transportation of the tiny patients to a suitable paediatric clinic. An independent electricity supply and an active damping system guarantee maximum safety. In addition, an electronically assisted loading and unloading system facilitates the work of the staff, since this system can now be operated with just one hand.

You can also help by giving a donation:

- Optimum transportation conditions prevent long-term damage and give newborn babies a better chance of survival.
- A significant improvement in the quality of medical care.
- The best care for premature babies must not be prevented by high costs!

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The vast savannahs begin in eastern Africa. They extend as far as the south. The African savannahs are unique. Nowhere else on earth do so many herds of wild animals roam through the country-side as here.

Karl-Heinz Dörsam



„A JOURNEY TO EAST AFRICA.“

Multimedia lecture by **KARL-HEINZ DÖRSAM**



EVENTS

Unlike Asia or America, Africa long remained a continent that was pretty unknown to us Europeans. Only the coastal regions were invaded by slave traders and foreign occupying powers. It was only in the more recent past that, for the first time, a few explorers made their way into this, up until then unknown world, and brought the news back home, whereupon the flourishing European imperialism soon entered Africa with the colonisation of some regions.

Africa is many-faceted and brightly coloured. So are the people there, but they have also adjusted well to their environment. Even if you were to come to Africa yourself, it is impossible to immerse yourself in the landscapes and the people within a short period of time.

However, Karl-Heinz Dörsam has done just that. For over twenty-five years he has travelled through Africa, mainly East Africa, the actual heart of the continent. He came not only as a visitor, however, but, as the benevolent cooperator of a children's project with a local team in situ, he has already achieved a lot, particularly in Bukuumi, Uganda.

In his multimedia lecture, which lasted a good two hours, in the OKW logistics centre on Saturday, 21.02.2015, Karl-Heinz Dörsam took the numerous visitors on an extraordinary journey into the heart of Africa. Besides outstanding landscape photographs, the main focus of attention was on the people of Africa. In this way it was possible to get to know and appreciate the continent from an unknown perspective.

Children's project, Bukuumi, Uganda
www.bukuumi.weebly.com

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