Berghaus-News

Traffic Technology · Mobile Crash Barriers

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At a glance

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AVS Lehrte says: "Thanks and goodbye Hansi!"

Branch manager Sören Prellwitz offers Hans-Jürgen Sieberg (left) best wishes from the AVS team.

The colleagues at AVS Lehrte GmbH said goodbye to Hans-Jürgen Siebert who took his well-earned retirement mid May. Since 1976 he had become a real traffic safety institution at AVS Lehrte, recently working as assembly supervisor for mobile crash barriers.
Together with the best retirement wishes, "Hansi" received among others his own personalised road sign bearing the signatures of all the colleagues at AVS Lehrte.

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Berghaus and AVS – the perfect team

11 German sites for Berghaus Traffic Technology and service provider AVS Traffic Safety. Traffic technology and traffic safety from a single source!

You too can benefit from the comprehensive service capability offered by AVS Traffic Safety with more than 300 employees at 11 German sites.
Together with us at Peter Berghaus GmbH, experienced manufacturer of traffic technology products for more than 50 years with a range extending from mobile warning trailers for motorways via mobile traffic lights for bottlenecks or crossroads with up to 96 signal heads through to double warning light systems with our own developed LED technology for protecting traffic safety vehicles, and AVS's expert service teams at 10 other sites, we are the highly efficient AVS Traffic Safety Group.
AVS is the No. 1 compact provider for professional traffic safety, particularly at major projects on German motorways.
What's particularly remarkable is that as your expert service partner, we supply everything from a single source. From the initial planning via compilation of road sign plans, obtaining permits and traffic law directives, setting up diversions including signage and mobile crossroad traffic lights, installation, maintenance, modification and dismantling of mobile crash barriers, complete construction site marking through to the regular maintenance and inspection of the roadworks facilities in 24/7 full service - all this and much more besides is provided by our highly experienced AVS service teams always with a highly professional approach for the sake of traffic safety.
We are also experts when it comes to road marking. With our own marking machines, we can provide all kinds of construction site marking, including foil, paint, cold spray plastic or agglomerate marking. Needless to say that we also offer demarking services - simply with water, using our environmentally friendly AVS PeelJet that works without chemicals and without damaging the road surface.
We make your construction site safe, all from a single source, right from the start: „AVS – your traffic safety professionals!"

H&T Trimborn-AVE becomes AVS Euskirchen

Soon AVS Overath GmbH's red logo will also appear in Mechernich (NRW) at the new Euskirchen branch. View of the large building with truck parking, warehouse, garage, office and staff rooms.

AVS Overath GmbH is expanding its network with dynamic support for its service team: the AVS branch in Wetzlar is now also being joined by another branch in Euskirchen.
AVS Verkehrssicherung GmbH has now put its longstanding business relationship with H&T Trimborn-AVE Verkehrseinrichtung GmbH on a new footing, bringing the successful company into the AVS Group.
In future, the previous base in Mechernich (NRW, Euskirchen district) will operate as AVS Overath GmbH, Euskirchen branch.
The team of 27 colleagues at AVS Euskirchen will continue to focus especially on traffic safety at motorway roadworks in North Rhine-Westphalia and in the Rhineland Palatinate.
For years now there has been lively cooperation in partnership with AVS Overath when it comes to mobile crash barriers. After the departure of the "old" shareholders, it made sense to proceed with a merger of Trimborn-AVE and AVS to set a positive course for the future of all employees and to further optimise our performance capabilities in the interest of our customers.
The future prospects of the whole AVS Traffic Safety Group are set for further growth.
It goes without saying that our expert contact partners are still at your disposition at the Euskirchen branch of AVS Overath to deal with all your concerns, continuing successfully to provide their services in the usual reliable manner, now under the umbrella of the AVS Traffic Safety Group.

Many thanks for visiting us in Amsterdam!

On all four trade-fair days, the joint stand operated by Peter Berghaus and AVS Traffic Safety was once again a popular meeting point for customers, business partners and interested trade fair visitors from all over the world.

At the end of March, around 800 exhibitors from 43 countries once again presented their latest products at the INTERTRAFFIC 2014, the leading trade fair for traffic technology in Amsterdam. Nearly 27,000 interested trade visitors from 128 countries attended the four-day event at the RAI Exhibition and Convention Centre in Amsterdam, finding out about innovative products and services from renowned manufacturers and providers of transport technology.
Together with our colleagues from AVS Traffic Safety, we presented our current innovative products from our own development and production. Once again this year, the response of visitors at our joint stand in Hall 1 surpassed all our expectations.
Our thanks go to all interested visitors, customers and business partners for coming to our stand, for the many pleasant talks and new contacts together with the great interest shown in our products!

Mobile traffic light technology

Road safety experts showed particular interest in our new traffic light system **MPB 44 M/S**. The new mobile traffic light system is based on the proven MPB 4400 traffic light type. It comes as a modular system for swift, economically efficient installation at roadworks with just one joint cable for power supply and data bus. A number of orders for this product were already placed at our exhibition stand and have meanwhile been delivered to the customers.

Mobile crash barriers

Our new mobile crash barrier **ProTec 50** had its first trade-fair appearance at the INTERTRAFFIC and also aroused the particular interest of international trade fair visitors.
The ProTec 50, our narrowest and lightest ProTec crash barrier, ideally supplements the product range of mobile crash barrier systems **ProTec 100**, **ProTec 120** and **ProTec 160** that have proven their worth in ideal fashion for many years throughout Europe and in Israel. Thanks to the even smaller planning-relevant width of just 10 cm and the good T1/W2 impact values, ProTec 50 can be used in many traffic situations, particularly where space is ata premium.

Hands-on display of the ProTec family at our stand with flowing transition from ProTec 50 to 160.

The compact ProTec 50's weight of just 28.5 kg per metre is also convincing as it permits optimum, efficient use of a truck's transport volume.
And so we were particularly pleased to receive an order at the exhibition stand for the first delivery of the new ProTec 50 to Japan. The container is already en route per sea freight to the "Land of the Rising Sun".
At the exhibition stand, AVS also showed the flowing transition solutions from one ProTec system to another. Road users won't even notice these force-fit transitions as the reflectors are always fitted on the same level across all ProTec systems. For the driver it looks as if the mobile road restraint system is all made from the same mould.
We are already looking forward to the next INTERTRAFFIC in Amsterdam which will be taking place from 5 to 8 April 2016 - we will be there with more new products!

New GPS radio clock for traffic light controllers

Radio clocks are used in mobile traffic light systems for progressive signalling and for switching different signal programs for weekdays and public holidays, holiday periods or special events such as trade fairs, concerts and major sporting occasions.
With immediate effect, we offer a new 19 inch radio clock module for our traffic light crossroads controllers EPB 12 and EPB 48 (from version 6.7), based on satellite-controlled GPS technology.
The new GPS radio clock (V4) replaces the previous DCF77-controlled models, which entailed ensuring that the reception antenna at the roadworks had optimum alignment to Mainflingen near Frankfurt.

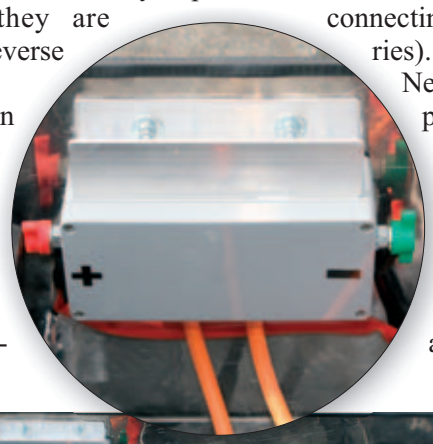
View of the new radio clock's browser interface: program switching points.

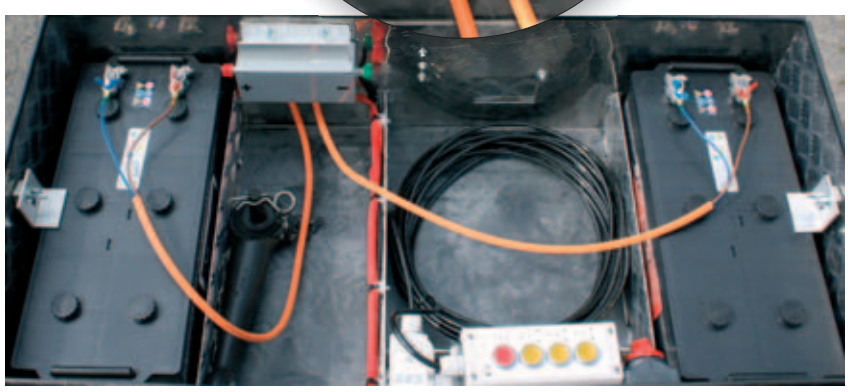
19-inch module with the new GPS radio clock including power supply unit.

This special antenna alignment is now no longer necessary, as the time signals are received via satellite. The GPS radio clock can be programmed and operated simply with any internet browser. Programming via AmpelTools will soon be available as well.
Together with the 19 inch double module (radio clock and power supply unit), the scope of supply also includes a GPS mouse (antenna) in a weatherproof housing with cable and holder for swift mast installation.

Power switch box for warning trailers and traffic lights

For years now, customers using battery-operated power supply solutions have been offered our battery switch boxes. These permit convenient connection of a consumer such as a mobile traffic light system to two or four batteries, thus quickly doubling or quadrupling the operating period on the construction site.
In contrast to frequently self-made cable bridges, the battery switch box rules out the risk of operating errors caused by incorrect connections which could suddenly supply 24 volt to the electronic control of the 12 volt consumer, thus destroying the control unit. Another fatal problem with self-made cable bridges is that free ends can cause a short circuit releasing several hundred amperes of short-circuit current that could even start a fire.
None of this can happen with our battery switch boxes because they are equipped with electric reverse polarity protection.
The technology integrated in the switch box also prevents the flow of equalising current when using batteries with different charge statuses.
The switch box also always guarantees an uninterruptible power supply because the necessary battery changeover can take place step by step at the roadworks while operation continues without any failure of the traffic lights.
Our production range offers various models of battery switch boxes depending on the specific application.
The standard version consists of one switch box for connecting two or four batteries. It also has a test button and a display lamp for checking the connected batteries.
As a product innovation, we now also offer the battery switch box in the high-powered version "power switch box" for systems with high current consumption. This special version is ideal particularly for use with mobile warning trailers (for connecting two batteries) and mobile pedestrian traffic light systems (for connecting up to four batteries).
Needless to say that the power version also has electric reverse polarity protection and decoupling of the connected batteries, to put you on the safe side at all times.



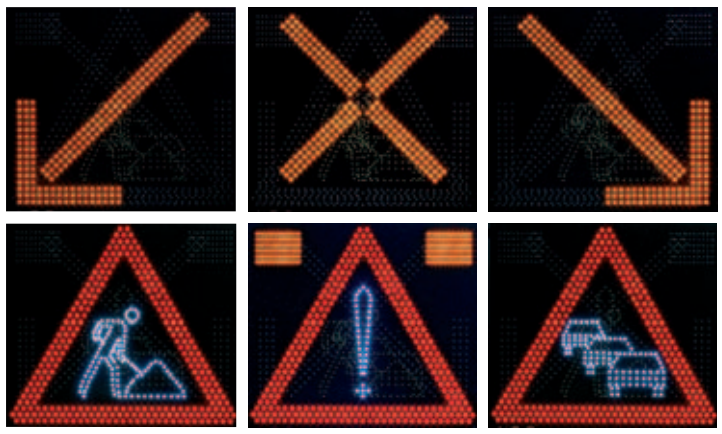


Ideal in the battery compartment of mobile warning trailers or for battery-operated mobile pedestrian traffic lights: the new power switch box!

Berghaus-MobiLED – mobile LED alternating traffic sign

As a low-cost alternative to the extensive full-matrix LED mobile alternating traffic sign that often entails intensive operation, we offer the Berghaus MobiLED as a simple version that can be handled at the press of a button and is rated specially for fast protection of roadworks.
The LED display of the Berghaus MobiLED is encased in a powder-coated stainless steel frame measuring approx. 1030 x 1030 x 50 mm (l x w x h) that is simply fastened to the roof rails or roof rack of a safety vehicle. It is supplied with 12 volt.
In collapsed state, the LED matrix is protected from the weather with the display surface folded down. Pressing one button on the radio control device equipped with LCD display for easy visibility in night-time assignments sets the LED matrix upright again with the electric lifting motor.
Road users see the required symbol in a bright display with yellow or red and white LEDs (lighting tested as per EN 12966).
This version offers arrow to the left, arrow to the right, cross and the traffic signs roadworks 123, congestion 124 and hazard 101.
All signs and symbols can also be combined with yellow LED flashlights on request (see pictures).
In addition, an electric connection is provided for a separate LED double warning light system which is then switched on with the LCD radio remote control.
The Berghaus MobiLED can also be used alternately on different vehicles because it needs no cable lead between the LED matrix and the radio remote control. All that is necessary is to supply 12 volt to the LED panel and radio remote control.
The Berghaus MobiLED is therefore ideal for swift, low-cost protection of roadworks.

Clearly structured radio remote control (fixed installation) with LCD display for direct signal pattern selection with display of the performed function.

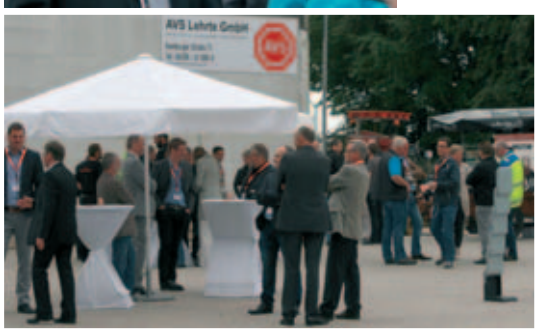


Just press the button: the most common road signs and symbols for protecting roadworks. Additional LED flashlights can be added on request.

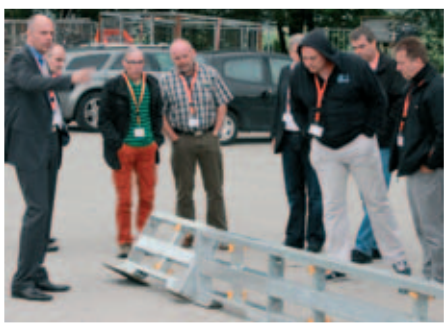
Berghaus MobiLED: bright LED alternating traffic sign with electric lifting motor, mounted on the roof rails of a site supervisor's vehicle.

In-house exhibition and opening of the new AVS branch in Hamburg

The AVS Hamburg branch extended an invitation to its in-house exhibition with interesting presentations to mark the opening of its new site on 16 June.
More than 100 guests including representatives from the Schleswig Holstein State Authority for Road Construction and Transport, the Lower Saxony State Authority for Road Construction and Transport, traffic authorities from the rural district of Harburg and the town of Winsen, representatives from surrounding police forces and motorway police stations, customers, business partners and suppliers and naturally also colleagues from friendly traffic safety companies gladly took up AVS's invitation to Hamburger Strasse 71 in Rosengarten.
The words of welcome expressed by Jens Selling, Managing Director of AVS Lehrte, to which the Hamburg branch belongs, were followed by the informative presentations and demonstrations. These began with Ralf Gressler's presentation of automatic congestion warning systems and mobile LED alternating traffic signs, including a practical demonstration outside.
After a break, Dieter Berghaus gave a presentation of the mobile crash barriers in the ProTec family and their use. This was followed by a practical demonstration of our ProTec-Tor which two colleagues from the police force opened easily by hand. The general opinion was clearly in favour of frequent installation of our ProTec-Tor, particularly in 2+0 and 3+0 road layouts with difficult access for emergency forces.
The colleagues from AVS Hamburg also gave a practical demonstration of applying road markings in cold spray plastic. After the marking had been allowed to dry, the AVS-PeelJet then gave an impressive show of efficient demarking. While moving forward, it removed the marking without leaving any residue, just using water applied at high pressure to the width of the marking which is then sucked up again in one single process - without damaging the road surface. The spectators were obviously impressed by the AVS-PeelJet.
Information and hands-on technology was also available at the exhibitor stands manned by Berghaus Verkehrstechnik (mobile traffic light systems), MIS Mobile Information Systems (LED alternating traffic signs and mobile congestion warning system), AVS Traffic Safety (PeelJet, cold spray paint marking machine and mobile road restraint systems in the ProTec family together with the ProTec-Tor), Hofmann Road Marking Systems and Winter/Grün Road Marking Technology (road marking machines and materials).
Punctually at the usual knocking-off time, the official proceedings turned into a social get-together. The inauguration party started at 5.30 p.m. with around 150 guests and employees who cheered on the German football team in their World Cup fixture against Portugal. Cold drinks and delicious personalised burgers helped us celebrate the successful day until well past midnight. The AVS Hamburg team says thanks to everyone who came!



Guests arrive at AVS Hamburg branch's in-house exhibition.



Hands-on mobile crash barrier ProTec 50. Left: ProTec-Tor: swift access for emergency forces. Right: tilting length limiter (KLB).

Supporting the successful German football team as it beat Portugal 4:0.

Latex paint on the A5: far less damage with AVS-PeelJet

The leaked latex paint was loosened, sucked up and removed immediately without any residues "in passing" in a single, swift, environmentally friendly process without any chemicals - just with pressurised water.

On 19 May, the AVS Mellingen service team showed its mettle in an out-of-the-ordinary assignment.
In the early morning, a traffic accident involving several cars and two slightly injured people occurred on the Gießen-bound carriageway of the A5 motorway near Hattenbacher interchange, with 300 litres of white, fast-drying latex paint leaking from a trailer. The paint spread across all lanes of the motorway over a distance of approx. 200 metres between the Alsfeld-West and Homberg/Ohm junctions. The severe contamination caused by the latex paint to the road surface meant that the Frankfurt-bound carriageway of the A5 had to be closed to traffic completely.
The accident caused long traffic jams, despite the large-scale diversion set up by the police. The motorway closures and congestion on the diversion routes were expected to last until the next working day. Initially the intention was to completely refurbish the road surface, milling the full width of the contaminated surface and then applying a new asphalt layer, which would also need time to cool down again.
But fortunately, someone remembered our AVS-PeelJet, a special vehicle by AVS Traffic Safety for environmentally-friendly removal of all kinds of road marking (paint, foil, cold spray plastic or agglomerates) without leaving any residue.
The AVS service team happened to be taking this vehicle to another assignment when the request from Alsfeld motorway maintenance department came in. After clarifying the situation with the other customer, at around 7.30 a.m. the AVS-PeelJet headed to the scene of the accident on the A5.
After arriving at around 10 a.m., the AVS colleagues set to work straightaway with their pressurised cleaning of the road surface. In just one single environmentally-friendly process just with water, without any chemicals, the meanwhile dry latex paint was loosened, sucked up and removed "in passing" by the AVS-PeelJet.
The precision with which the AVS colleagues handle the 2,500 bar water jet procedure was revealed among others by the fact that they not only removed the latex paint as required without leaving any residues but also left the original road markings undamaged on the road surface.

The AVS-PeelJet removes the meanwhile dried latex paint without damaging the original road markings.

By 1 p.m., the cleaning work had already reached a stage where one lane of the motorway could be opened up to traffic again. And much earlier than expected, at around 7 p.m., the "all clear" was given once more for all lanes of the A5.

About three hours after the AVS-PeelJet began work, it was already possible to open up one lane of the motorway to traffic again.

According to initial police estimates, damage to the road surface, the crash barrier and the affected vehicles came to at least €100,000.
The total amount and the nuisance factor for all road users would surely have been far greater if the road surface had had to be fully refurbished over a length of 200 metres.
What a good thing that our AVS service team was once again able to demonstrate its capabilities. Thanks to the AVS-PeelJet with its special water jet procedure that uses just clear water without any kind of chemicals, it was no longer necessary to go ahead with the expensive and above all time-consuming resurfacing work at the scene of the accident. Instead, one cleaned lane was opened up again quickly and the closure of the A5 was terminated far earlier so that traffic could return to normal.

Swift access for emergency services on Cologne's city motorway

In Cologne, the Kalk Tunnel is being completely refurbished on the city motorway B55a. The current building phase entails restrictions among others in lane width for the next 20 months.
However, during the construction period two lanes are to be kept open to traffic in both directions. And so Zeppelin Rental GmbH & Co KG in Cologne instructed AVS Overath GmbH to install the ProTec 120 mobile crash barrier. The Kalk Tunnel in Cologne takes all commuter traffic from the Cologne-East motorway intersection (A3 and A4) onto the Zoo Bridge towards the city centre.
The mobile crash barrier was installed at night to minimise disruption on this busy road. And so between 10 p.m. Sunday night and 5 a.m. Monday morning at the end of June, altogether 4,900 metres of ProTec 120 were installed for traffic safety.
At an adequate distance before and after the tunnel construction site, the team installed the ProTec-Tor, our swift access for emergency forces. This lets the crash barrier be opened at any time with just one hand in the event of an accident, giving emergency vehicles access to the tunnel and other closed-off areas.
Mobile ProTec crash barriers and our ProTec-Tor put you on the safe side at all times!

Quickly found in the closed crash barrier and easily opened in an emergency: ProTec-Tor, the swift access for emergency services.

The ProTec-Tor makes sense particularly at tunnels as here on Cologne's B55a city motorway. Without any tools, the crash barrier can be opened quickly by hand in an emergency by road maintenance crews, police, fire brigade or emergency services.

It is so easy to open the ProTec-Tor without any tools: pull the lynch pin, release the cotter pin and remove the bolt - that's all!