



ROAD SAFETY SOLUTIONS.

# WE POINT THE WAY



# SAFETY FROM THE FASTEST COUNTRY IN THE WORLD

**In a globally accelerated world, mobility is one of the basic prerequisites for people's lives and the functioning of the economy. Any restriction can have a significant impact. We have, therefore, set ourselves the task of securing that mobility stays safe. We are ready, so that everything runs smoothly.**

The world's traffic volume is growing and is mostly occurring on the road. Thus, infrastructure maintenance is one of the most important tasks for the future. Wherever in this world roads are repaired, reconstructed or expanded, solutions of Nissen ensure that traffic is led safely and efficiently past hazardous locations. Our spectrum ranges from simple beacons and lights to complex, innovative systems for traffic management.

Every design contains our knowledge to respond to each and every requirement and possibility. We benefit from decades of industry experience and the mobile tradition of our origins: Germany, home to the motor car and the Autobahn, perhaps the fastest country in the world. We set the standard. For safe roads as a guarantee for individual freedom. And for the backbone of the economy.



# VISIONS ALWAYS HAVE RIGHT OF WAY WITH US

Groundbreaking developments arise only from consistent active entrepreneurship with a particular spirit - in our case from the conviction of fulfilling an important task and the courage to set out on new paths. Thanks to this attitude, Nissen is one of the world's leading companies in the industry.

The basis on which we ground our success every day consists of sound technical expertise, decades of experience and common convictions: We place sustainable corporate development and solid growth above the glory of short-term effects.

„Safely forward“ is the credo, which describes both the goal of our designs and our management course. Our mindset and action is always characterised by looking forward. No product from Nissen is made for the rear-view mirror.



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*Commercial manager and  
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*Technical manager and  
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# MILESTONES FOR SAFE MOBILITY



**Just as forward-looking driving is one of the principles of safe mobility, we are developing solutions with a view to the future. From the Nissen lights from the 1950s that make up an entire category these days to the interactive warning systems of tomorrow.**

How to achieve maximum light output and precise beam power with maximum stability and efficiency? How can highly sensitive lighting and control elements be integrated into mobile units? Each of our innovations attest to the ingenuity, the know-how of experienced engineers and the courage to set out on new paths. Even supposedly simple details such as, for example, our unbreakable Fresnel lenses turn out to be complex optical systems, in which

individually calculated facets direct the light beam straight to the road. Thanks to our intensive research, we have significantly advanced the development of LED technology in mobile traffic technology - and this advanced technology is included in our new production series that can dynamically display every traffic sign. Soon, warning systems will exchange information with approaching vehicles - we are already working on it.



# MAXIMUM PERFORMANCE AS STANDARD



**Mobile traffic safety today must cover a multitude of challenges. From the quick and safe protection of accident series, through long-term protection of workplaces to the support of events. As a full provider, we can fully cover these and all other areas.**

Nissen offers the complete solution spectrum for efficient securing of hazardous locations according to the highest standards. The range of our warning elements includes high-quality guide beacons, traffic cones and guide barriers, as well as guard rails for use on all roads and motorways. In addition, there are custom products for the police, fire brigade and THW (Technical Relief Service). Almost all of these designs can be combined in

modular form with powerful lights of different categories - for a wide range of applications from a single source. The special advantage: Both the furnishings and the lighting solutions not only meet the high requirements of the Federal Highway Research Institute, but often even surpass them. From the technical terms of delivery to the European standards. For maximum safety with a perfect system.



# HIGHTECH FOR EVERY REQUIREMENT



**With the development of dynamic systems, Nissen has given decisive impulses to mobile traffic management. In particular, thanks to individual designs and the use of our high-performance LED technology, today even demanding tasks can be efficiently met.**

Our mobile LED variable message signs, roof superstructures for patrol cars and service vehicles, as well as our mobile caution and warning boards, open up a new dimension of traffic safety. Each of these complex developments is created by hand in our main factory and is characterised by reliable quality on the one hand and a high degree

of flexibility on the other. Thanks to an intelligent modular design, the individual versions can be customised for different application situations by means of various control modules, mechanical and electrical drives and additional details. Obviously, each of these customised solutions meets the most stringent safety requirements.

# QUALITY GUARANTEED THROUGH OUR OWN PRODUCTION



**The uncompromising quality of the Nissen brand is not only a result of our self-image as a technical pioneer. It is an ethical obligation, because through our products we are responsible for the safety of many people.**

A task can be delegated, but not responsibility. That is why we keep the production process in our own hands and manufacture the most important components of our products ourselves. We use the know-how of qualified experts only in the field of complex electronics, whose contributions we constantly monitor in accordance with clearly defined, critical criteria. All steel components for our mobile systems are processed in our own factory. Similarly, the

plastic elements for our designs come from our own injection moulding machines. And to ensure fault-free processes, we concentrate the entire production at our headquarters in Tönning. All modules are assembled by hand here. We know and understand every product that leaves our company down to the last detail. Only this way we can be sure that the roads are safe too.



# WE ACCEPT THE CHALLENGE OF REQUIREMENTS

**Major attraction sports event: Major events such as the FIFA Football World Cup Germany 2006, the Olympic Summer Games 2012 in London or the Olympic Winter Games 2014 in Sochi are only possible through high-performance traffic management. Nissen provides the required equipment and know-how.**

Faster, higher, stronger: The Olympic Winter Games of Sochi required automated traffic management within a radius of 100 km around the venue. For this, Nissen supplied 60 modern LED warning units, which can operate autonomously thanks to their own power units. 2 x 3 m LED panels, which can be extended to a height of up to 5 m using hydraulic masts, are used for the display of traffic signs, pictogrammes and information in different languages, making them widely visible as a result.

Connected by modem to the mobile network, the LED warning units could be controlled by the Russian traffic centre.

Since the end of the Olympic Games the installations have been used in other places.







# STRONG NETWORK FOR ALL TASKS

Development and maintenance of the world's road networks present different requirements to all stakeholders. The Nissen Group covers a wide range of the necessary traffic safety and can provide integrated solutions as a central point of contact.

Our company NisTech focuses on the development and manufacture of mobile protection systems. Manufactured according to the high quality standards of Nissen, these mobile protection systems pass the most rigorous tests and checks and reliably ensure smooth traffic flows for road construction on two-lane roads and highways. Our plastic specialist Nissen Plast has high-performance injection moulding machines and plastic blow-moulding machines to produce

high-quality plastic parts for warning devices for mobile traffic safety.

The Nissen Group also owns the Stettin-based Stahlwerk GP Ltd., which supplies us with numerous construction parts for our designs. This high degree of vertical integration within the Nissen Group allows us to control all production processes at the same time - and to consistently guarantee you high quality.

# MADE IN GERMANY AND WORLD LEADER



**The development of efficient mobility solutions advanced by Nissen sets standards around the globe. In order to secure the growing demand for innovative quality products worldwide, we have built a powerful sales network.**

In an increasingly networked world, the internationally different standards for road safety are becoming increasingly similar. In this respect, the standards partly developed by Nissen from Germany, the country of mobility, play a decisive role.

Through our branches, sales partners and our export department, we ensure that our designs reach everywhere where roads are being upgraded or reconstructed. For safe mobility of people and goods - worldwide.





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