

## Customer service plays a central role

### Renting & installation

#### Maximum availability at minimal cost

Renting allows you to use warning devices with low capital expenditure and without investment costs. We offer customised solutions for every construction site situation. Our services include renting of individual warning devices, project planning, technical function tests as well as the assembly and disassembly of our Minimel systems. Take advantage of our extensive experience and an excellent price/performance ratio.

#### Main reasons for renting

- Scope of services designed to customer's requirements
- Decades of experience
- High quality rental fleet
- High flexibility through deliveries at short-notice
- Country-specific device configuration with regulatory approvals
- Costs are directly allocated to a project
- No capital commitment and no maintenance costs

For over 50 years, we have been dealing with warning devices for safe railway traffic. We have highly skilled employees with excellent knowledge of our products. We can offer you a rental fleet of the highest quality and an exceptional customer service with a straight forward hands-on attitude. Our standby-service is available around the clock.

### Maintenance

#### Optimal use during the service life

Taking good care of the devices is mandatory for safe and efficient work. The consistent maintenance by the manufacturer improves the operational availability for increased profitable use and prevents from downtime caused by the system. All Minimel devices are maintained and repaired by qualified technicians in our own workshop. New software developments are installed as part of the maintenances to provide you a product which is as good as new.

### Training programmes

#### Education and training is the key to lasting safety and quality

To convey this knowledge, we provide professional training at your location or at our site in Reiden (Switzerland). Our courses provide expertise and practical knowledge directly from the manufacturer. For example, as a licenced educational institution of DB Netz AG and Networkrail UK.

One of the most important resources of every company is qualified staff who can fulfil their tasks to 100% and take full advantage of the potential of their devices. To see our current training program, please visit our website.



**minimel**<sup>®</sup>lynx

Mobile radio warning system to secure railway construction sites

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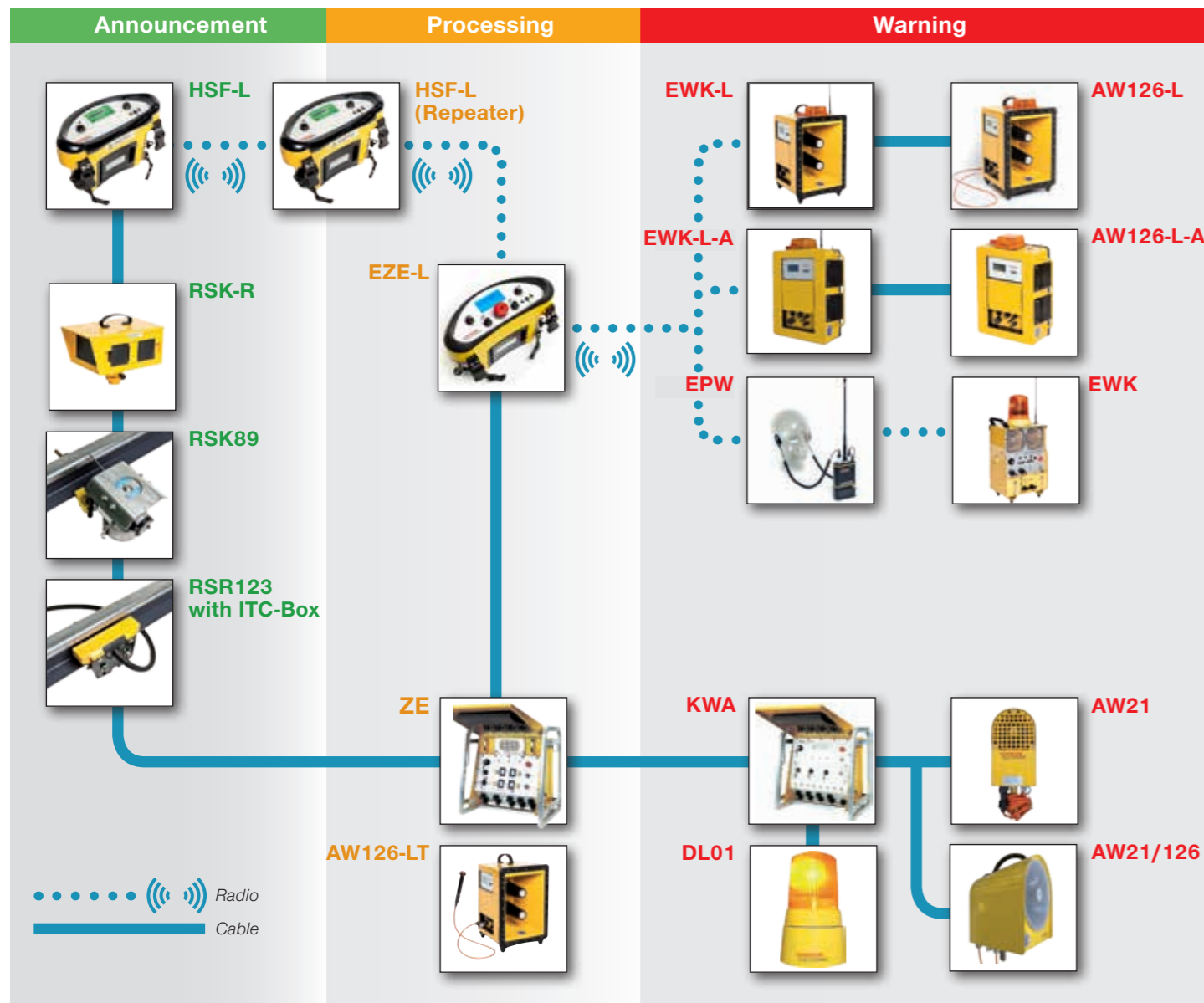
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## Minimel Lynx product family

The radio warning system Minimel Lynx is an innovative development for automated track workers and goods protection on the open rail. The warning system detects approaching trains and warns construction workers on worksites with optical and acoustical signals. The trains are announced either automatically using treadles, or manually by the look-out operator using the radio hand switch (HSF-L). The train detection is processed at the central unit and a warning is automatically issued to all warning devices. It is a modular system which can be customised specifically for each application.



## Your benefits at a glance

### ➤ Large radio range

The radio transmission is one of the great benefits of the Minimel Lynx system. Practice has shown that even in topologically difficult terrain and over large distances a functionally reliable connection is ensured. The use of repeaters can even double the range.

### ➤ Modular design of the entire system

Depending on the application, the system can be expanded modularly. Using the same equipment, a wide range of applications can be covered.

### ➤ High wearing comfort due to ergonomic design

The ergonomic design combined with the low weight results in user-friendliness and great wearing comfort. Thereby a focused and fatigue-free working is supported.

### ➤ Easy operation due to years of experience

Based on many years of experience, we have developed devices, which are intuitive and easy to use. For over 50 years our products protect operators on railway construction sites. The practical experiences have found their way into every development step, in order to ensure a smooth operation without interruptions.

### ➤ Process reliability and less training required

The Lynx-configuration process (such as pairing the devices with RFID-key) guides the user through all the necessary steps and ensures that errors are avoided. These predefined processes are quick to learn and minimise the need for training.

### ➤ Swiss quality products ensure reliable investment protection and sustainability

The devices developed and produced in Switzerland ensure a high investment protection by being compatible with the proven product lines of Minimel 95 and machine warning system.

### ➤ Increased efficiency by optimised development of staff

Routine works (e.g. train announcement by lookout operators) are automated and therefore, existing employees can be used more productively. At the same time, safety is greatly increased through radio communications which are continuously monitored.

### ➤ Efficient and rapid set-up

The system is characterized by an efficient set-up and commissionings. Once configured, the data is stored into the internal memory. Therefore a preconfigured system can be recommissioned almost immediately.

### ➤ The technical advanced products are fail-safe

The system is developed fail-safe according to CENELEC, safety integrity level 4 (SIL4) and is certified by TÜV SÜD Rail. In operation it does not require any system monitoring by the operator. The system is being used and proven by well-known railway companies. The standards EN 50126, EN 50128, EN 50129 and EN 50159-2 are met.

### ➤ Customised rental at peaks in demand

In order to cover the peak demand, we offer a sophisticated rental service to expand your equipment need temporarily. An optional maintenance contract ensures planning reliability for budgeting.

### ➤ Efficient energy supply

For a mobile, grid-independent operation, the small battery size and low weight of 280g allows easy handling on the track.

### ➤ Noise-optimized construction site

The warning is specifically given where it is needed. This avoids unnecessary and distracting impacts on the environment and reduces the volume of the warning to minimum.