

...mobil mit Batterien

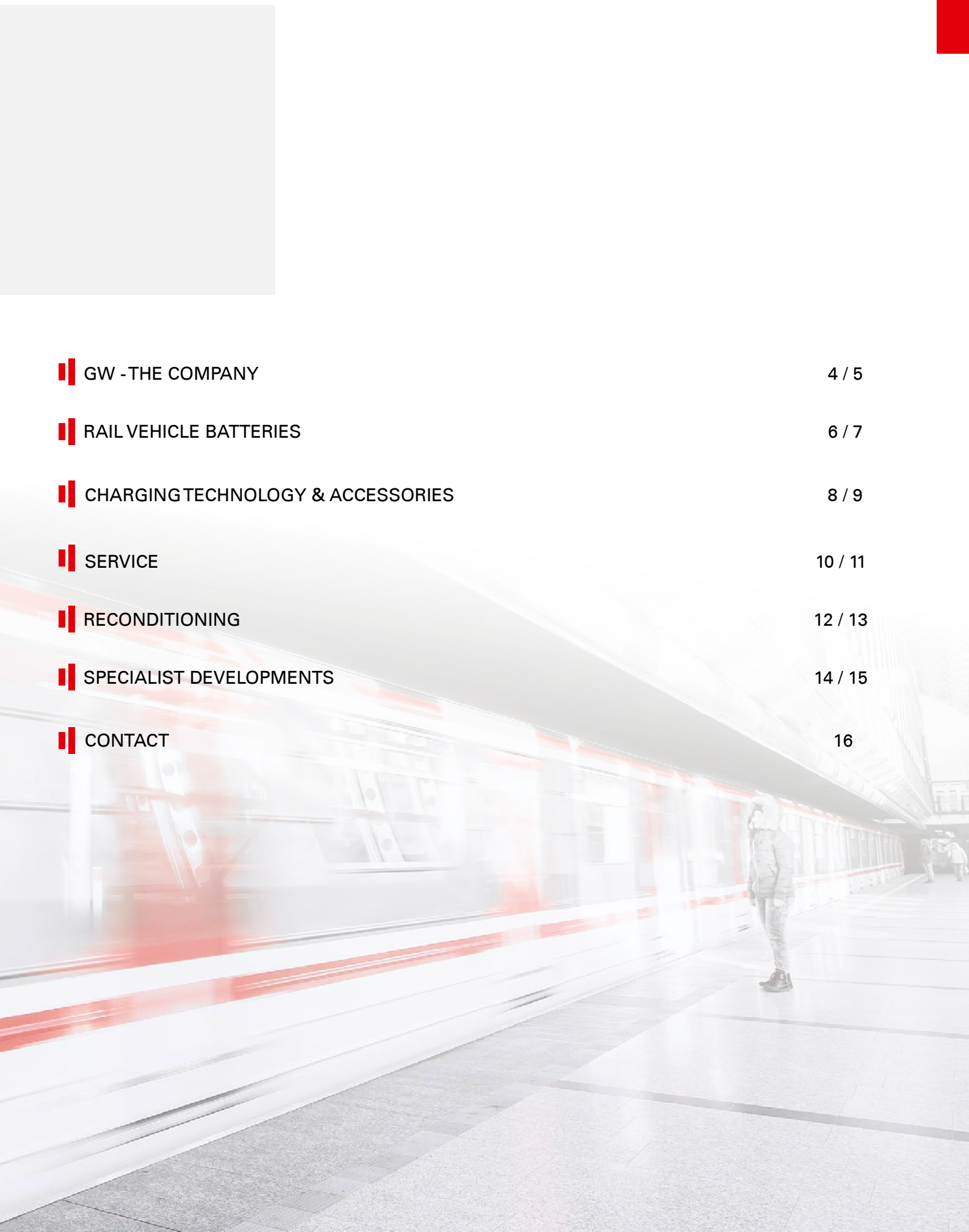


THE COMPANY



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# THE COMPANY

## The company GW Batterien GmbH

### ■ Going strong for 100 years for battery systems

GW Batterien GmbH is a medium-sized company that offers you an extended range of services as competence center for everything to do with batteries with our entire know-how. Together with you we will find solutions for your applications.

The range of our activities includes the development, production and delivery of batteries for rail vehicles as well as the assembly and delivery of stationary battery systems and numerous special products.

In addition to the realization of customer-specific projects, our professional services such as the reconditioning of railway batteries in use are the core business of GW Batterien GmbH.

Successful product innovations, high reliability, outstanding quality, our special flexibility and the adherence to the shortest delivery dates make GW Batterien GmbH a first-class partner.

### CERTIFIED QUALITY FOR HIGH-PERFORMANCE BATTERIES

GW Batterien GmbH is certified according to DIN EN ISO 9001 and DIN EN ISO 14001.

Today GW Batterien GmbH is an important and powerful partner for national and international customers.





# RAIL VEHICLE BATTERIES

## ■ Top performance on the track

We see ourselves as a reliable and high-performance provider as well as a problem solver regarding rail vehicle batteries.

With this specialisation and the extensive know-how of our GW team we are in a position to respond to your requirements quickly and in a targeted manner.

## BATTERY SYSTEMS EXACTLY AS YOU NEED THEM.

Tailored to your use and your application, we supply you with lead batteries in single cell technology or as a block.

We offer all NiCd batteries established on the market, whether pocket plate, fiber structure or sintered plastic bonded.

Our powerful and newly developed lithium-ion batteries are suitable for both on-board power supply and diesel starter applications and also as intermediate energy storage for traction.

An important service area of GW Batterien GmbH is the customer-specific new development and redesign of reliable battery solutions.





1.	12 Zellen	28.8 V	25 A
2.	48 Zellen	115.2 V	12 A
3.	82 Zellen	124.8 V	8 A
4.	92 Zellen	124.8 V	20 A
5.	54 Zellen	129.6 V	20 A

**GW**  
Global Wireless Corporation

**POWEREX**  
Power Supply for  
Constant Voltage Charger  
AOC7480115A1

947

01W204

01W206AB

W20C/W204



# CHARGING TECHNOLOGY AND ACCESSORIES

## Perfect solutions for a long battery life

Important for the life and performance of the batteries is the choice of the right charger.

A battery charger provides electrical energy to recharge the discharged battery. For this purpose, the charging voltage and the charging current must be adapted to the respective battery and its state of charge.

### APPLICATION:

- Stationary charging systems using conventional and the latest technology
- Special loaders for use in railway workshops
- Battery monitoring system optionally with status report via GPS
- Water refill cart for rough terrain to refill distilled water
- Temperature sensor
- Maintenance case
- Safety equipment
- and much more besides





# SERVICE

## ▮ Services for battery systems

In addition to our core competence in rail vehicle batteries and stationary battery systems, we offer numerous services that improve and increase the performance and service life of your battery systems.

In logistics and maintenance we store and test your systems. This means that you will not experience any unpleasant surprises when the battery that is temporarily not needed is used later.

With our leasing offer, we offer you the possibility to cover peaks in demand, cost-effectively and transparently.

And in reconditioning, we get the most out of batteries already in use by overhauling them and making them fit again. And incidentally, we avoid waste and conserve natural resources.

## ▮ Battery-Leasing

### **Batteries when you need them, how you need them**

Our leasing model offers you completely new concepts to ensure the operational readiness of your batteries. Especially suitable for bridging bottlenecks, it offers full flexibility with maximum reliability.

## ▮ Logistics and maintenance of battery systems

If you do not need your battery system at the moment, we would be delighted to take over the logistics and maintenance for you.







# RECONDITIONING OF BATTERY SYSTEMS

## Think global - react local

By sustainability, we understand that in everything we do, we must also consider the end. Batteries are the driving power in trains or locomotives and provide mobility. This does not always require a completely new battery.

By reconditioning and reusing used batteries, we actively contribute to environmental protection, avoid waste and conserve our natural resources.

Our commitment to sustainability is reflected in the performance of our highly qualified team, which maintains and reconditions your batteries according to the latest technical standards.

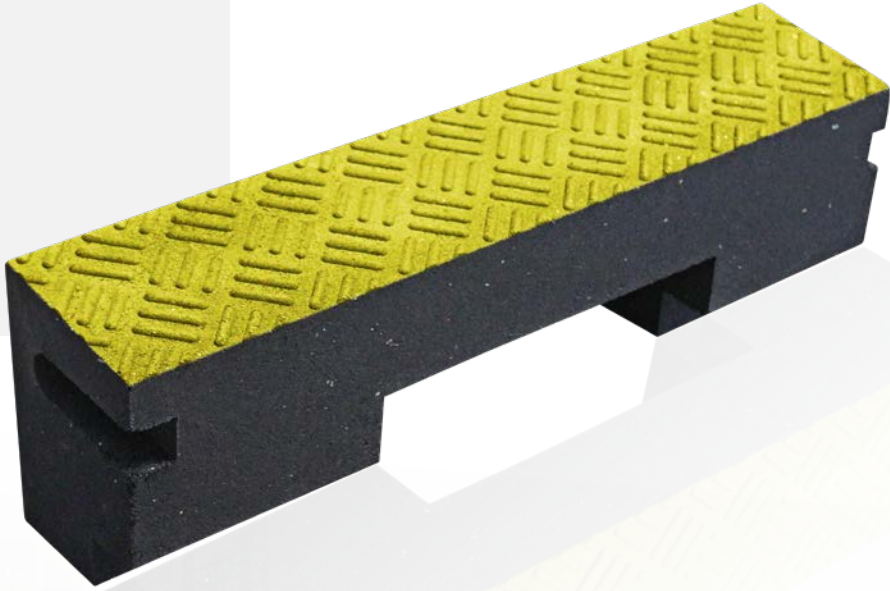
The used batteries go through a complex reconditioning process. Depending on the age and condition of the battery, a partial or full refurbishment is carried out.

In the case of full refurbishment, we achieve capacities in accordance with the requirements of EN 60254 and 43 539-1 as well as full compliance with new batteries in terms of function and electrical properties - so that you have fully functional batteries of tested quality at your disposal.

**PERFECTLY FUNCTIONING USED BATTERIES - A REAL ALTERNATIVE TO NEW BATTERIES.**

In this way we protect our environment and help our customers to act economically.







# SPECIALIST DEVELOPMENTS

## ■ Our know-how guarantees smooth operation

Special requirements often bring with them special problems. And the problems do not always have anything to do with the battery, but occur in the same place or in connection with it.

For such applications and for individual special products that are not available off the shelf, we provide remedies with our special developments.

## MOULDED PARTS MADE FROM RUBBER

GW Batterien GmbH offers you not only battery systems also include numerous special products that can make your daily work easier.

Our pressed rubber parts are such products. For example, as tread thresholds in place of metal mesh, they offer numerous advantages. While metal gratings can bend and slip in damp conditions, a rubber tread threshold is always stable and safe.

## SPECIAL CONNECTORS

In some applications, standard connectors are not suitable - for example, where space is limited or under high demanding operating conditions. This is where our special plugs are used, which require only a small amount of space while providing a high degree of connection reliability.

These special plugs are used by the military or by rail vehicle manufacturers, among others.



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