

RETROFIT, SWITCHGEAR, SERVICE

How you can benefit from the Expertise
of a German Energy Systems Specialist

ENJOY

WHO WE ARE

WHY SZM?



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German specialist for medium-voltage systems
Focused expertise in designing and delivering medium-voltage switchgear solutions for industry.



Engineering, manufacturing + retrofit solutions
We cover engineering, production and modernization of industrial switchgear systems.



Decades of industry experience
Long-standing experience in medium-voltage technology and industrial power systems.



Independent and flexible partner
Owner-managed and flexible in developing tailored solutions for specific project needs.



Based in Germany, active internationally
Headquartered in Germany with projects and partnerships across international markets.

WHY COMPANIES WORK WITH SZM

WHAT ARE THE ADVANTAGES?



Extending the lifetime of existing switchgear

Extending equipment life through targeted modernization.



Increasing operational reliability

Improving system reliability and operational safety.



Reducing downtime risks

Minimizing downtime through proven technical solutions.



Tailor-made solutions for industrial applications

Customized solutions for demanding industrial environments.



Cost-efficient modernization instead of complete replacement

Modernization instead of replacement – saving time and investment.

SERVICES

WHAT WE OFFER

Service

We offer maintenance and service for medium-voltage switchgear and switchgear systems - at the customer's premises and in our own switch workshop and have a large stock of spare parts.

Retrofit

We modernize aging low- and medium-voltage switchgear with modern switching technology. Such plug-and-play solutions are sustainable and a real alternative to purchasing new equipment.

Switchgear

As a switchgear manufacturer, we plan, manufacture and install a wide variety of medium-voltage switchgear systems, refurbish old panels and remove empty panels.

Accessories

We manufacture a range of accessory products, including the type C3 switch-disconnector, various manual and motorised actuators as well as tulip and flat contacts.

RETROFIT

OUR SOLUTIONS ARE TAILORED AND SAVE TIME AND MONEY



With a modernization solution from SZM, we only replace the core component of a switchgear, basically its heart. By using the latest switchgear components, however, we bring the old system up to the state of the art and give it a significantly extended service life and operating life. In addition, a retrofit avoids time-consuming planning and conversion work compared with the installation of a new system. The new switchgear is inserted into the old switchgear by plug-and-play.

A retrofit by SZM thus saves not only a lot of time but also money, because the investment costs are much lower and, thanks to the state-of-the-art circuit-breaker, the system operates more efficiently and, of course, requires less maintenance.

ADVANTAGES OF A SZM RETROFIT

WE REPLACE ONLY THE CORE.



Short realisation time

Instead of lengthy approval and conversion measures, the dimensions of the switchgear remain the same. This saves considerable time.



Significant savings on costs

Since only the circuit breaker is replaced rather than the entire system, a retrofit solution is the cost-effective alternative to purchasing new equipment.



State of the art

In our retrofits, we use state-of-the-art circuit breakers from renowned manufacturers and thus improve the efficiency and life and operating time of the system.



Eco friendly

A retrofit variant is much more resource-efficient, as the old system runs longer and more efficiently again and requires less disposal than a complete replacement.



Before Retrofit



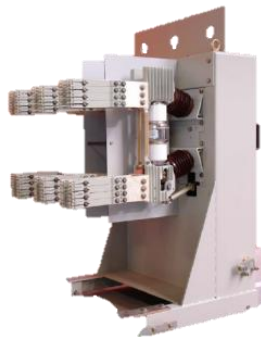
After Retrofit

RETROFIT SOLUTIONS

SMALL SELECTION OF OUR SOLUTIONS

The following examples 1 through 5, from left to right:

Pic	Circuit Breaker Name	Manufacturer	Retrofit Solution
1	SCI4-12	SGM	Vacuum Circuit Breaker Type NVL on Switch Truck
2	HF 515	Fuji	Vacuum Circuit Breaker Type 3AH3 on Switch Truck
3	HMX BS 5311	GEC	Vacuum Circuit Breaker Type VD4 17.12.32 on Switch Truck
4	D FG-2-15075-12	SquareD	Vacuum Circuit Breaker Type VD4 17.12.32 on Switch Truck
5	HMC 1072	AEG	Vacuum Contactor Type 3TL8 with primary fuses on Switch Truck



RETROFIT CONFIGURATOR

KONFIGURATOR.SZM-GMBH.DE

Designed for utilities, industrial companies, engineering firms, switchgear manufacturers and SZM sales partners worldwide. By entering basic data about the existing switchgear and application requirements, users can quickly identify suitable retrofit solutions and explore available modernization options.



Facilitates search

SZM's New Retrofit Configurator makes it easier to find the best retrofit solution for modernizing an outdated switchgear.



Over 20 years of experience

SZM has developed more than 300 retrofit solutions and implemented them globally in thousands with switches from reputed manufacturers ranging from A as in AEG to W as in Westinghouse.



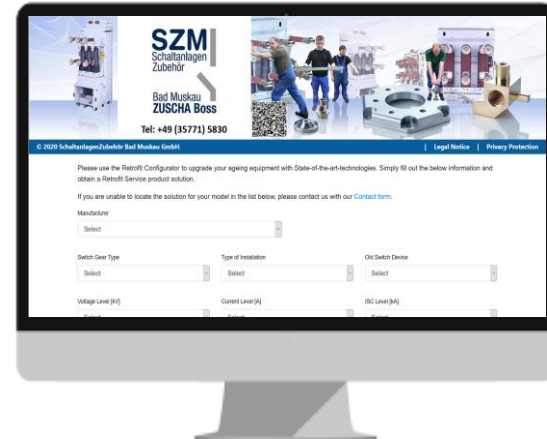
Available in English

The configurator is only available in English. Those who are not familiar with English can contact SZM via Contact Form to obtain a solution.



For Desktop and Mobile

The configurator works seamlessly on both desktop and mobile devices.



MEDIUM VOLTAGE SWITCHGEAR

SZM MANUFACTURES NEW SWITCHGEAR

SIMOPRIME of SIEMENS

SZM is the only company in Germany to build and sell the SIMOPRIME medium-voltage switchgear from Siemens.



SAM of SZM

SZM has also developed its own medium-voltage switchgear: the SAM. It is compact and can be custom-built to meet customer requirements.



MEDIUM VOLTAGE SWITCHGEAR

EXTENSIONS AND MODIFICATIONS

Switchgear Extensions and Modifications

Expand existing switchgear systems to meet changing operational requirements while minimizing downtime and investment costs.

Solutions for Industrial Power Distribution

Reliable medium-voltage solutions for industrial plants, ensuring safe and efficient power distribution.

Customized Designs

Tailor-made switchgear solutions designed to match specific technical, operational and space requirements.



INDUSTRIES WE SERVE

TAILORED MV SOLUTIONS FOR DEMANDING INDUSTRIAL APPLICATIONS

Reliable power distribution is essential for industrial operations where downtime can lead to significant costs. SZM supports a wide range of industries with medium-voltage solutions, retrofit projects and customized switchgear systems.

**Cement plants
+ Building
materials
industry**

**Mining and
raw materials**

**Utilities and
infrastructure**

**Energy-
intensive
production
facilities**

SZM
Schaltanlagen
Zubehör
Bad Muskau
ZUSCHA Boss



WHY TALK TO SZM?

GOOD REASONS TO GET IN TOUCH

- German engineering
- Practical industrial experience
- Flexible solutions
- Focus on reliability and lifecycle extension
- Partner for modernization projects

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