
**Copper
Cube.**

Retrofit

Your reliable partner
for **retrofitting**
solutions



**CopperCube
provides professional
and comprehensive
consulting services.**

Problem

Your switchgear has been in service for many years and you cannot upgrade your plant?

Your budget does not allow for large investments and you cannot afford any downtime?

Solution

Replace the key component of your switchboard – the ageing circuit breaker – and order the retrofit kit from **CopperCube**.

Result

Useable lifespan extension of up to 30 years and all advantages of the modern circuit breakers. Our solution is cost-effective and we work fast.

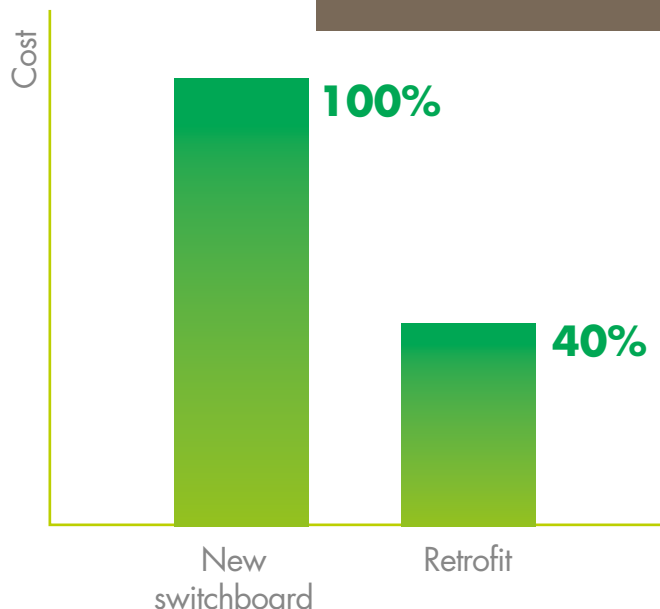


Retrofits – New for Old – Why?

What is about old designs and equipment

- Systems built in 60s/70s and before still in operation
- Downtime to replace switchboards too expensive
- Electrical system's life needs to be extended
- Modernisation/Automation of electrical systems
- Health and Personal Safety implications of old designs and equipment
- Availability of spare parts

Retrofit is typically 50-60% cheaper than switchboard replacement with minimum downtime



Our product

Retrofit kit is the subsequent upgrading of existing systems with modern components to improve the technical, safety and economic characteristics.

Retrofit means the modernisation of the switchgear components by the replacement of old circuit breakers with the new and modern ones without the reconstruction of switchgear. The busbars and the switchboard itself remain the same. The major advantages of the retrofit solution is extending the useful life of assets with minimum time, effort and costs.

The retrofit solution is implemented based on the standard retrofit kit. We will help you to find the right solution out of over 80 standard retrofit kits provided by **CopperCube**.



Your benefits

TECHNICAL

3 hours for the replacement of your old circuit breaker

The components of the retrofit kit are manufactured prior to installation thus taking only 3 hours to complete the works. Cable works associated with high costs and effort may lead to damage of the isolation and extensive reconstruction works – those are not necessary with the retrofitting solution.

ECONOMICAL

Save up to 80%

With retrofit you save up to 80% of costs comparing to a purchase of a new switchboard. This applies also for the costs of devices and installation works. No high one-time costs since the works are carried out step by step which allows gradual investments.

PRODUCTION AND TECHNOLOGICAL PROCESSES

Uninterrupted production and replacement made easy

Retrofit allows you a gradual replacement of circuit breakers. There is no need to stop production and to cut off power for all switchboards. The works can be carried out step by step for every single switchboard.

SUSTAINABILITY

Participate in the sustainable development

The retrofit solution complies with the concept of sustainable management. There is no need for complete reconstruction of the switchgear since retrofit extends the useful lifespan, which allows to minimize the use of resources, amount of waste and energy consumption.

Your questions. **Our answers.**

- Want to upgrade your switchgear **fast and cost-efficiently**?
- **Uninterrupted production** during the replacement works?
- Receive your new circuit breaker **fast within 2-3 weeks**?
- **Introduce automation**, circuit monitoring and remote control?
- **Need system solution** for the replacement of old circuit breakers without extensive reconstruction works?



- **Require reliable electricity supply** with old circuit breakers?
- **Reduce costs** for the new switchgears and installation works?
- **Spare parts are not available** and the old switchgear cannot be repaired?
- **Improve the performance** of your feeder?
- **Search for a turnkey solution** for the modernisation of your switchgear?

Every company faces these questions at some point.

CopperCube provides professional and comprehensive consulting services.

Steps to replace **a circuit breaker**



- 1** Initial analysis and completion of questionnaires for your retrofit solution
- 2** Development of a technical solution, cost and resource estimation
- 3** Delivery of retrofit kit together with the new modern circuit breaker
- 4** Works on site, installation of the retrofit kit and a new circuit breaker
- 5** Customer training, individual maintenance and optionally service contracts



After

Standard designed retrofit solution

- TERASAKI
- ELLISON
- GEC
- MERLIN GERIN
- SIEMENS
- UNELEC
- SQUARE D
- MITSUBISHI
- SACE
- ABB
- HYUNDAI
- AEG
- ENGLISH ELECTRIC
- MEM

Other types on request.

We will help you to find the right solution out of over **80 standard designed retrofit kits**.

Purpose

- Fixed and draw-out circuit breakers
- Low and medium-voltage switchgears
- Nominal current from 20A to 6300A

About Us

- Based in Berlin, Germany
- Full range of retrofit solutions for low voltage circuit breakers
- 80 standard designs for retrofit kit for all types of circuit breakers
- Turnkey customized projects in three parts of the world: Europe, Asia, Africa
- Different industries and zones with extreme climate conditions
- 50% of orders coming from regular clients

Our experts have successfully completed over

500 projects

in Europe, Asia and Africa.

Our clients:



ArcelorMittal



SOLVAY

Nestlé

□ - BASF



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