



# ONE FOR ALL

stabilizes the power grid,  
reduces operating costs  
and protects the environment.

# A GENIOUS SOLUTION FOR A COMPLEX PROBLEM.

Due to their design, many electrical consumers generate so-called mains feedback effects, which can disturb and briefly interrupt the internal power supply system. These network interruptions are a cause of machine failures. In addition, electricity that has already been paid for escapes into the power grid and must then be purchased and paid for again.

eSaver® stores this unused energy from grid interruptions in a magnetic field and returns it to the plant as active current to compensate for grid interruptions. This stabilizes the grid and saves the hassle of machine breakdowns and maintenance time.

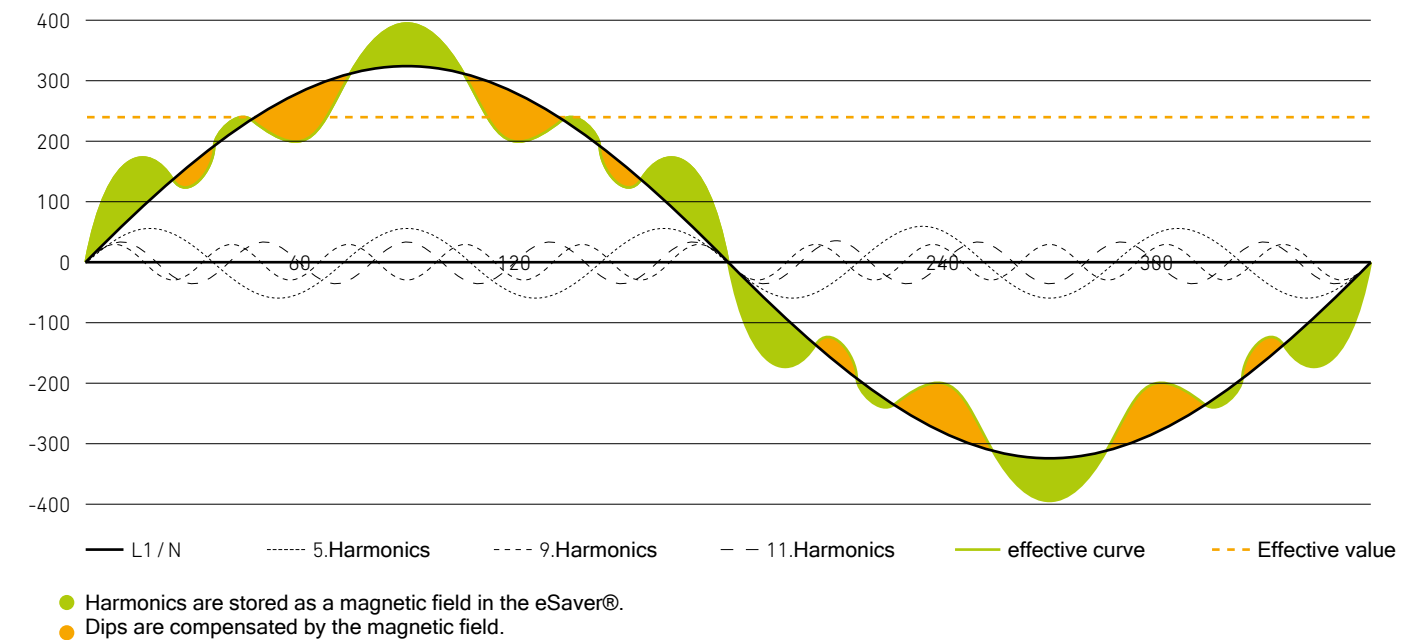
In addition, the eSaver® also stores and compensates for external disturbances. After all, post bar operations also have electrical loads with similar consequences. In addition, the power mix can lead to short-term grid undersupply due to weather fluctuations, for example.

Learn more about the causes and problems of grid fluctuations here:  
[esaver.eu/technische-funktionsweise](https://esaver.eu/technische-funktionsweise)



## IMPROVED OPERATING STABILITY

Network interruptions are compensated for expensive downtimes and maintenance costs are minimized



## Can we help?

Find out how your company can benefit. We will be happy to advise you personally and also offer you a power quality measurement in your company.

T +49 7034 - 93 00 50 or [kontakt@eSaver.eu](mailto:kontakt@eSaver.eu)





# It is worth seeing.

Operating elements



Contact  
for mutual  
induction

Safety  
Circuit

Access  
transformer  
and bhkw

Coil as  
energy  
storage

Our eSaver® systems also fit in  
air - conditioned containers and  
can be operated outdoors.





# GRID STABILIZATION THAT IS SELF-FINANCING

A side effect of grid stabilization by the eSaver® is a noticeable saving in electricity costs. This results from the storage of grid reactions before they escape into the public grid. This electricity is then available again for operation.

This saving is in an attractive ratio to the investment. On average, our customers' investments pay for themselves after just 2.5 years. This calculation only takes into account the direct electricity cost savings; it does not include any cost benefits from reduced machine downtime.

In addition, the effects of our eSaver® systems are recognized by the BAFA - which subsidizes them with up to 40 % of the investment sum. Of course, we will support you in processing the subsidy applications and offer various financing models. Translated with [www.DeepL.com/Translator](http://www.DeepL.com/Translator) (free version)

Consumption kWh p.y.	Investment	Promotion	Savings p.y.	Amortization	Yield
508.705	58.194 €	17.458,2 €	11.784,66 €	3,46 Jahre	29 %
1.289.245	127.400 €	38.220 €	26.236,14 €	3,40 Jahre	29 %
6.771.939	387.500 €	116.250 €	78.215,88 €	3,47 Jahre	29 %
2.568.169	308.490 €	92.547 €	46.740,68 €	4,62 Jahre	22 %
5.442.874	485.700 €	145.710 €	113.211,79 €	3,00 Jahre	33 %

These examples are real numbers from our costumers.



## SAVE UP TO 24 %

On average, our 350 customers, we achieve 13 % electricity cost savings



## FAST AMORTIZATION

After already 2 to 8 years your investment has paid off.



## BAFA AND KfW FUNDED

The investment is subsidized by up to 40 %

## Can we help?

If you are wondering whether an eSaver® system is worthwhile for your company, please contact us without any obligation.

T +49 7034 - 93 00 50 or [kontakt@eSaver.eu](mailto:kontakt@eSaver.eu)





# SAVINGS ARE MADE IN ELECTRICITY, NOT IN ENVIRONMENTAL PROTECTION



Our sign for our customers .  
Make your contribution visible.

With eSaver® , your company makes a considerable contribution to the environment. Because every kilowatt hour you save also saves CO<sub>2</sub>. And we currently cover around 36 percent of our energy needs in Germany with fossil fuels. Generating one kilowatt-hour of electricity in Germany emits an average of 407 grams of CO<sub>2</sub> as direct emissions ( source: Strom-Report.de, March 31, 2021).

We will be happy to certify this saving for you with our eSaver® eco-label.

You can find more exciting details at: [www.strom-report.de](http://www.strom-report.de)



## EFFICIENT CO<sub>2</sub> SAVING

Every kilowatt hour that you save also has a positive on the CO<sub>2</sub>-balance sheet.



## Goals of the federal government

By 2030, the German government wants to reduce greenhouse gas emissions by 55 percent.



## 835.987 Beech

All our costumers together save around 18,016,964 kilowatt hours each year. This corresponds to 9,675 metric tons of CO<sub>2</sub>. To offset the same amount with trees would require 835,987 mature beech trees.

Status: May 2021



# LOTS OF ENERGY FOR A SERVICE THAT INSPIRES.

Our team is not only exceptionally good looking, but also has plenty of experience in electrical system construction. Our staff guarantees smooth service from initial analysis to installation and beyond.

Up front, we analyze the on-site electrical grid to determine the needs and capacity of your eSaver®. Once we know the planned location for your eSaver®,

we work completely self-sufficiently. This reduces on-site installation to a minimum and ties up only a few hours of your valuable time.

Once operational, we offer to monitor the grid and actively manage power consumption to avoid overloads. This is done on the basis of your priorities and also takes into account your own energy sources such as combined heat and power plants or photovoltaic systems.



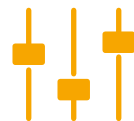
## plug & play

Our product is manufactured by us and only needs to be only connected. Assembly takes place directly on site by the manufacturer.



## monitoring

At any time you can the efficiency of your plant online.



## management

Transparent management of your consumers to use available power.



Change needs inventive solutions. With this in mind, we have been constantly developing the eSaver® system for 20 years. Innovative solutions have a long tradition with us. We have been implementing projects in switchgear construction for 50 years and our products are in use on 6 continents.

And with high voltage we continue - to the next 50 years.



# PROUD AS AN OSCAR. MORE THAN 350 COSTUMORS.



»We bottle natural mineral water and want to keep nature intact.  
To do this, it is important to conserve resources - including electricity.

*eSaver® is a great company. The team is excellent and the cooperation has worked very well from the beginning.*

*Our savings are in the 10 to 13% range. We have saved about 40,000 euros since June 2015. Des is fun.*

*We can recommend eSaver® without reservation. Today, every company must take ecological responsibility.«*

**Clemens Fleischmann**  
Randegger Ottilien-Quelle GmbH

»In 2017, eSaver GmbH advised us in the area of network optimization on the topic of handling environment and resources. us. We were able to reduce our annual consumption from approx. 1.2 million kWh to 1 million kWh, which means an annual reduction of 97 t CO<sub>2</sub>, a further contribution to environmental protection.«

**Mathias Glass**  
F.K.M. Buster Altöl und  
Reststoffentsorgung GmbH

»The eSaver® has already been in our company since 2018. In the past.

We often had to struggle with network-related outages in the Odenwald region, but these times are thanks to eSaver® are now over«

**Florian Weiß**  
Mosca GmbH

»With eSaver GmbH we have found a trustworthy partner.

We were able to reduce our costs immediately by 17%.

Our eSaver® was produced in a dust-proof container design.«

**Herr Iko Alten**  
Alten Ziegelei GmbH & Co. KG

# SIMPLY INGENIOUS, RECOMMENDED MANY TIMES OVER.

The principle of eSaver® is simple and the effect excellent. This is also confirmed by independent auditors. The innovative strength of our company also convinces our cooperation partners and together we offer flexible funding opportunities for an investment in a joint and sustainable future.



## Sponsored by BAFA & KfW

The investment is supported by the Federal Office for Economy and Export Control in cooperation with the development bank KfW with up to 40 %.



## Sponsored by NKI

With the national climate protection initiative, the Federal Environment Ministry supports projects that contribute to reducing greenhouse gas emissions.



## Projekt Developer Network Industry

Certification as international project developer for energy management. Capital provider for eSaver® Contracting.



## Promoted by Green Vision

The subsidy program enables companies and cities an eSaver® installation without investment costs.



## Recommendes by BIOGAS EcoTEC since 2018

The effectiveness of eSaver® is convincing and the product complies with all German and European directives.



## Certified Quality Management

We work in a structured manner and each work step is precisely regulated - thus quaranteeing efficiency and quality.



## Business Weeks Böblingen Award

The award recognizes innovative local companies, ideas and projects.

We achieved first place in 2019.



Turning economic  
uncertainty into great  
opportunities. We are happy  
to help you.

**eSaver GmbH**

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**eSaver.eu**