

**RXE rockfall protection barriers from 500 to 10000 kJ**

**MAXIMUM SAFETY IN  
THE TIGHTEST OF SPACES**

# FOR THE MOST VALUABLE ASSET IN LIFE: OUR SAFETY.

Klokova, Greece: Installation of a pre-assembled RXE-5000 rockfall protection barrier. 2015

The danger of rockfalls is increasing due to climate change. This was once restricted to mountainous regions, but expanding urban areas close to rocky slopes are increasingly at risk. As conventional protective structures are often unable to withstand impacts, we have developed our **RXE barriers**. With their unique low deflection levels, they provide reliable protection for both people and infrastructure.

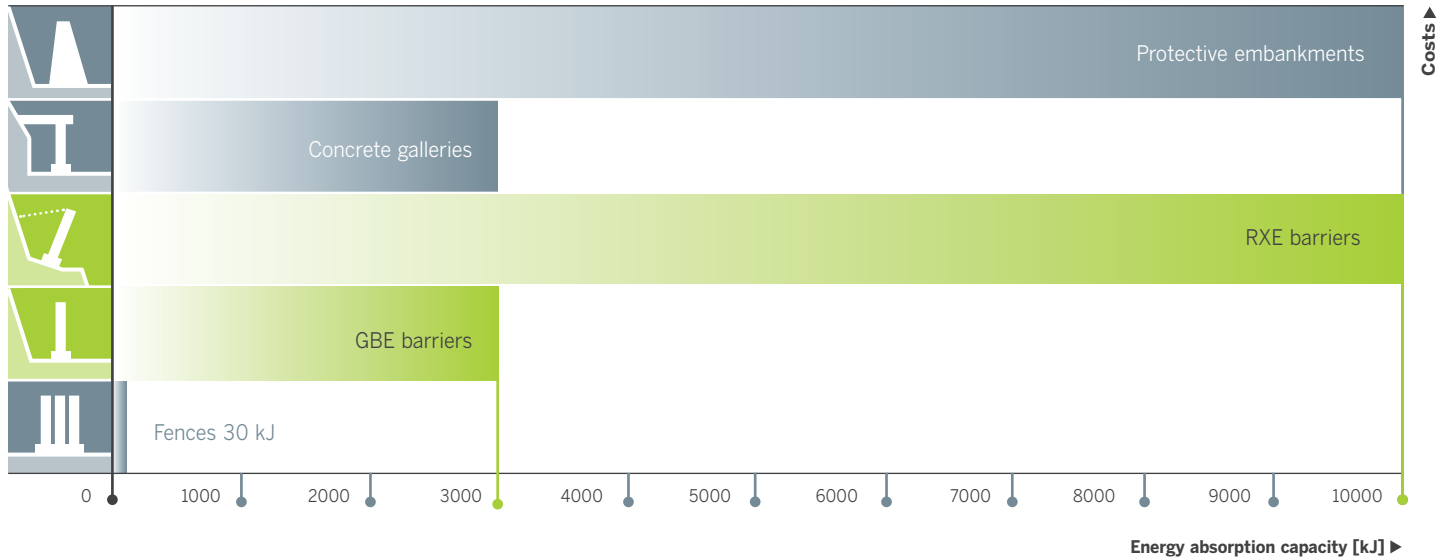
# WE CAN PROVIDE YOU WITH THE COMPLETE SAFETY PACKAGE.

At your request we can take on the role of **consultant, planner** and even **project manager**. Both the solutions we offer and the quality of our service is valued by our customers. For us excellent service is an integral part of every single project. No matter which phase of the project you are in, we will provide you with the support and expertise required to achieve the best results – saving you both time and money.

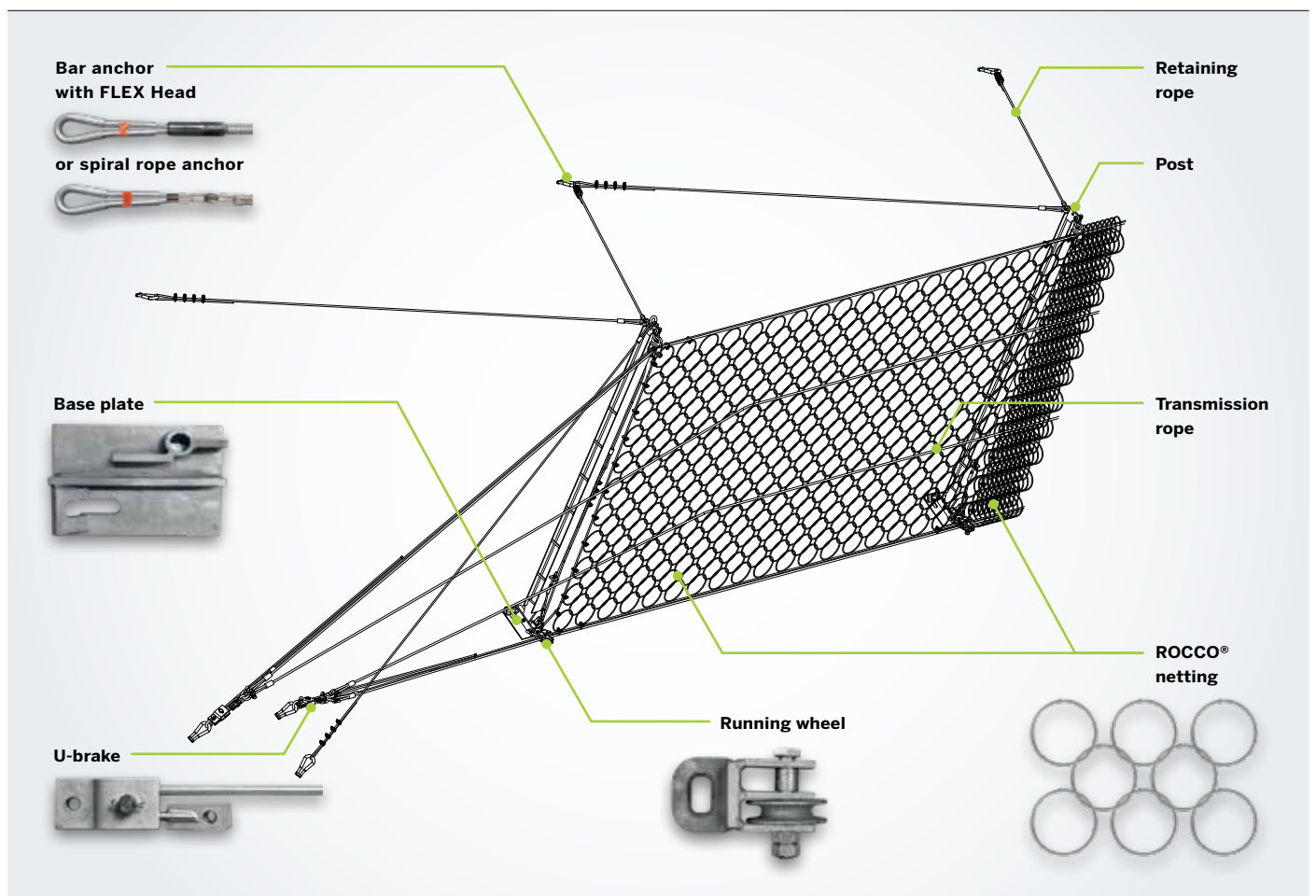


# FIRST-CLASS RESULTS IN ALL ENERGY CATEGORIES.

## Comparison of rockfall protection systems



## Example: Components of the RXE-1000 barrier



# QUALITY YOU CAN RELY ON.

With our many years of experience as the market leader for rockfall protection solutions, our **RXE series** combines cutting-edge technology with high-tensile steel wire nets. With its **low weight, unobtrusive appearance, and exceptionally low deflection**, this barrier is an impressive solution allowing it to be installed in close proximity to infrastructure. The energy absorption capacity of the RXE-10000 barrier for example corresponds to a boulder weighing 25 tons in vertical free fall hitting the net at over 100 km/h.

## Our RXE barriers provides the following features:



### High-tensile steel wire net

Protection against dynamic loads up to 10000 kJ. Some of the energy is dissipated by means of elastic/plastic net deformation while the majority is dissipated by the braking elements.



### Low deformation

Testing that replicates field conditions has confirmed that this solution offers the lowest deflection on the market. This makes it ideal for installing in close proximity to at-risk objects.



### Pre-assembled

The posts are delivered to the construction site as modules with pre-installed bundles of netting for easy installation (RXE-500 to RXE-3000 systems). This significantly reduces the installation time.



### Highest standards worldwide

The only barriers which have been tested and approved according to EAD 340059-00-0106 (ETAG 027) and in vertical free fall according to FOEN, the strictest regulation in the world.



### U-brake with stainless steel

This component enables linear energy dissipation and is easily accessible for inspection and maintenance. Stainless steel makes the brake extremely durable even when subjected to strain.



### Light and unobtrusive

The low weight of the barrier means that it can be easily installed. With its high-tensile steel wire and innovative design, this solution saves materials, protects the environment and is virtually invisible from a distance.



### First-class corrosion protection

The corrosion protection of our systems will last for generations. This means that our customers benefit from particularly low maintenance costs.



# WE DON'T LEAVE SAFETY TO CHANCE.

Test facility in Valenstadt, Switzerland: full-scale test of the RXE-10000 barrier

Our RXE systems are developed in Romanshorn, Switzerland and meet the strictest requirements. All energy categories for the RXE series are certified according to the **Swiss FOEN Directive** and the **European Directive ETAG 027**.

# PROVEN RELIABILITY WORLDWIDE.



Take a look at our RXE film on YouTube:  
[www.geobruigg.com/RXE-clip](http://www.geobruigg.com/RXE-clip)



Your local GeobruGG specialist:  
[www.geobruGG.com/contacts](http://www.geobruGG.com/contacts)

**GeobruGG AG**  
Aachstrasse 11 | 8590 Romanshorn | Switzerland  
[www.geobruGG.com](http://www.geobruGG.com)

**A BRUGG GROUP COMPANY**