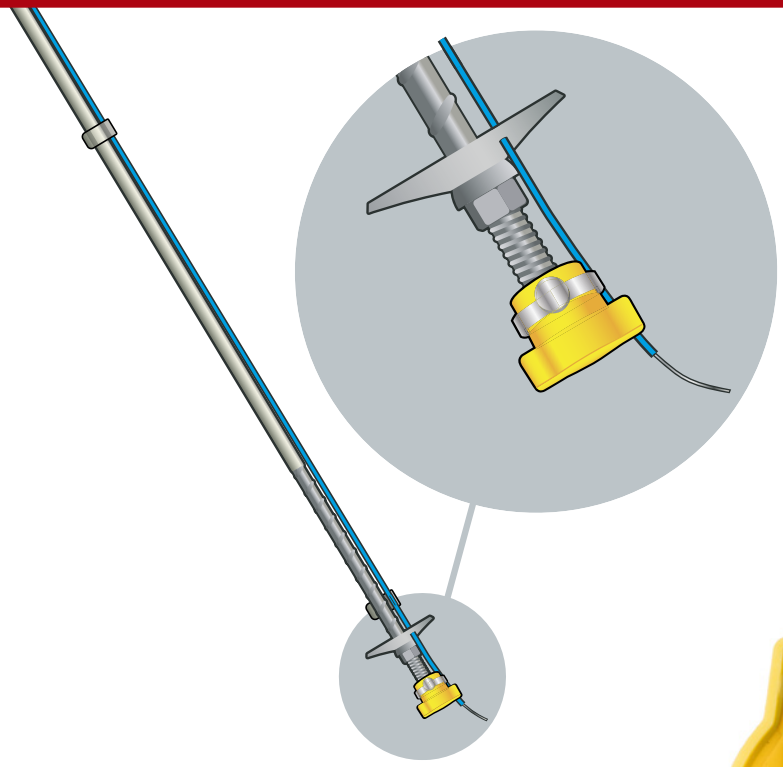
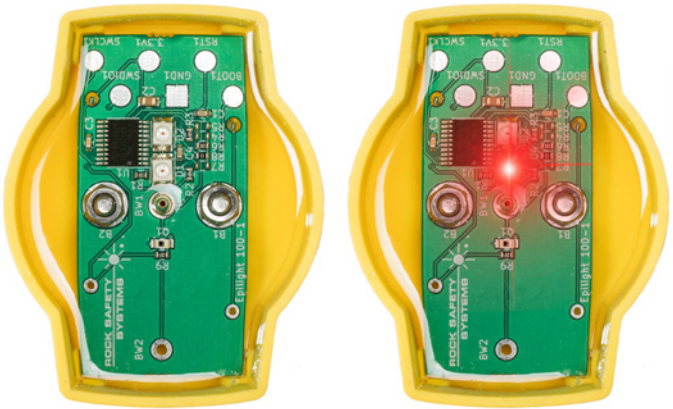
Bolt**Status**Light

Bolt Status
Continuous monitoring of rock bolts – for increased safety

The core of Rock Safety Systems products for monitoring rock bolts is the patented **Bolt Status Wire** that is attached to the bolt when installed. To put it simply, it is a plastic tube containing a free-moving stainless steel wire. It is attached to the inner end of the bolt and runs the entire bolt length. At the head of the bolt on the rock face, electronic equipment is then attached to the wire for visual or online monitoring of bolt status. The method is simple, dependable, and suitable for almost every type of rock bolt.





Bolt Status Light is a visual system for easy and efficient monitoring of rock bolt status.

Bolt Status Light are small electronic units that are attached to already installed bolts, provided they have been installed with Bolt Status Wire.

The electronic units use a light signal to indicate if a bolt has elongated or broken. Bolt Status Light measures continuously and a red warning light indicates when breakage is detected. In addition, a warning signal indicates elongation past a set tolerance level.

When there is no signal light, the bolt is fine. A red light indicates breakage or elongation beyond a set tolerance level. To check that measurements and the electronic unit are working properly, you shine the unit with a flashlight and a blinking white signal confirms it is working.

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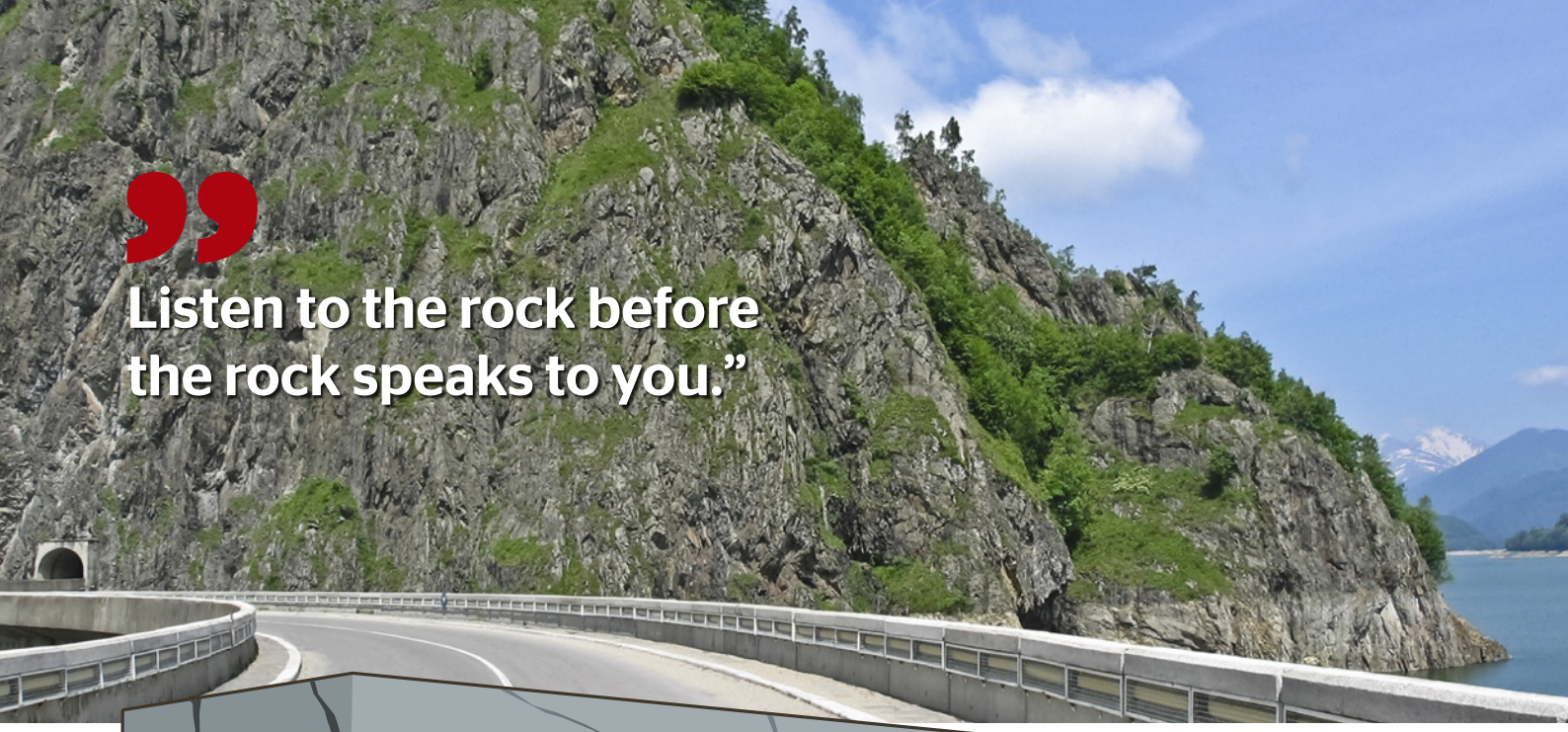

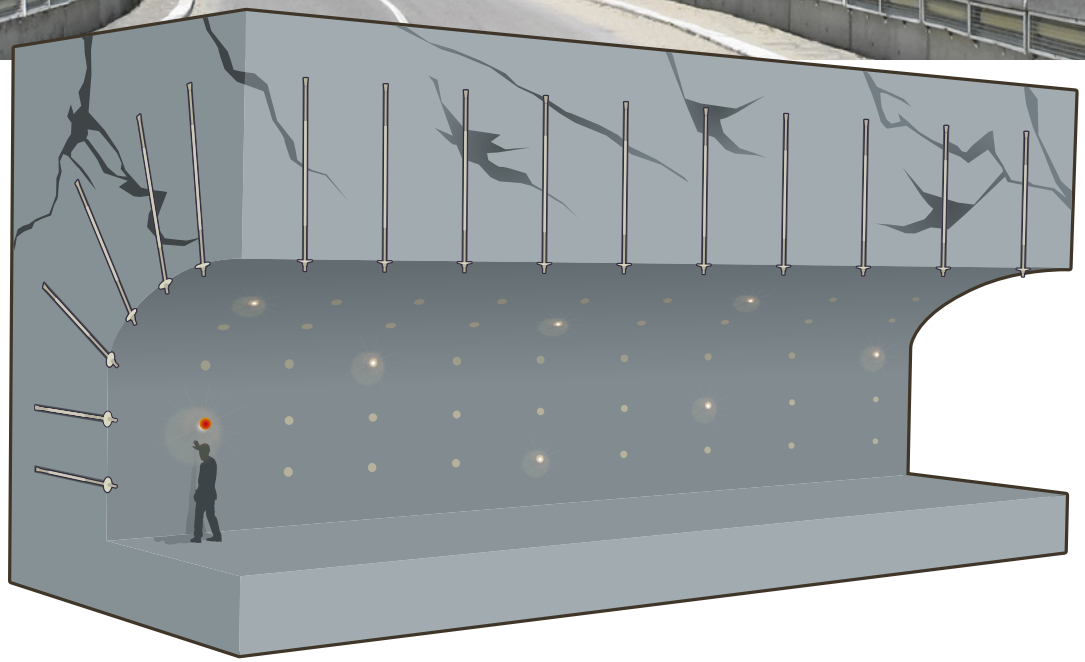

Bolt Status Light can be easily uninstalled and then reinstalled on another bolt that is equipped with Bolt Status Wire. It can also be switched for an electronic unit that supports online monitoring.

Battery time: 5 years

Battery time with red signal light: 1 month

Bolt Status Light fits

- Static rock bolt
- Dynamic rock bolt
- Friction bolt
- Wire bolt

Bolt Status Online

Electronic sensor on the bolt where measurements for the bolts are monitored and presented on a local server. Time synchronous data storage on a database that can be presented as raw data, diagram or as a quick-look diagram on a computer or mobile unit. More information is available on our website.

Next step

Welcome to contact us! We will recommend suitable systems tailored to your needs.

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Rock Safety Systems with Installation and Bolt Status products are developed and owned by Rock Safety Sweden AB. We are a leading system technology company within installation control and status monitoring of rock reinforcement in mining, in tunnel work for hydropower, road and railway tunnels, bore hole storage, etc.

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