

success story

Successful **simalube® installations.
Reliable lubrication for cable cars and
mountain railways.**

The Matterhorn and the Gemmi cable cars are lubricated automatically.

The automatic dispenser from simatec ag also now lubricates carrying cables and cable pulleys on cable cars and mountain railways. For this the operators of the Gemmi and Matterhorn cable cars trust in **simalube**®. The dispenser, which has a capacity of 125 ml, is set to a time setting of 6 months, thus providing the optimal amount of lubricant at the required lubrication points in extreme temperatures both in winter and in summer. The railway management consider **simalube**® indispensable: «Because it provides flawless and independent lubrication for the carrying cable and cable pulleys, it saves us a lot of time and money», says Arnold Zenhäusern, Managing Director of Gemmibahn AG. And Peter Julen, Managing Director of the Matterhorn Glacier Paradise cable car, adds: «Maintenance technicians no longer have to climb up each pylon once a month at dizzying heights to carry out maintenance work. This has increased the industrial safety of our operations considerably».

Areas of application for the dispenser

Thanks to the flexibility of its installation, **simalube**® can be used in a variety of locations. The following are typical applications for lubricants in cable cars and mountain railways:

- Cables
- Cable pulleys
- Car doors
- Cables and gears
- Drag bars (connection between the car and suspension gears)
- Ventilators and cooling systems
- Aggregates and motors



Landmark of Switzerland:
The Matterhorn in Zermatt.



The Matterhorn Glacier Paradise cable car
is lubricated with **simalube**®.



simalube® is used to lubricate the carrying
cable of the Matterhorn Glacier Paradise
cable car.

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Advantages of the dispenser

simalube® offers the following advantages:

- The dispenser contains no toxic chemicals and thus complies with strict environmental regulations
- **simalube**® operates reliably at temperatures ranging from -20°C to $+55^{\circ}\text{C}$
- The different sizes of dispensers allow a wide range of applications (30 ml, 60 ml, 125 ml and 250 ml)
- **simalube**® applies the right amount of lubricant at the right place, which makes sense from the ecological (environmentally friendly) and economical (cost savings) points of view
- **simalube**® saves time and money
- It prevents sliding and rolling friction as well as rust, which leads to lower energy wear and thus reduces costs.

Complex maintenance of mountain railways

Cable cars and mountain railways play an important role in tourism in Alpine regions. Due to the technical development of cable cars and mountain railways and drag lifts, manufacturers and suppliers are facing increasingly high requirements.

In particular, they have to comply with stringent maintenance and servicing regulations, including maintenance schedules (e.g. lubrication schedule) which have to be followed to the letter by cable car operators and their technical staff. Cables and cable pulleys must undergo regular service and maintenance, and the products used for maintenance purposes must also meet the latest safety and environmental regulations as well as the high quality standards of the manufacturer.



simalube® lubricates the carrying cable of the Gemmi cable car at each pylon.



simalube® with protective cap lubricating cable pulleys.



Detailed picture of the lubrication of a carrying cable.

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