

## SUCCESS STORY

**simalube IMPULSE** ideal for long lubrication lines  
and high counter pressure.



**simalube**<sup>®</sup>  
smart lubrication





A maintenance specialist installs the simalube IMPULSE in a secure location.



Thanks to simalube lubrication points at unreachable heights are also constantly supplied with lubricant.

## simalube IMPULSE in use in concrete and cement plant.

The simalube IMPULSE expands the possible applications of the simalube automatic lubricant dispenser. It allows for the use of dispensers with long lubrication lines and high counter pressure up to 10 bar.

Lubrication points in concrete and cement plants are often placed in inaccessible or dangerous locations. This not only endangers the safety of the employees, but also incurs high maintenance costs for the equipment, as the lubrication points frequently cannot be reached without special safety equipment. By using the simalube automatic lubricant dispenser, these elaborate maintenance operations are reduced to a minimum.

### The challenge

36 simalube lubricant dispensers are currently in use in a Swiss concrete plant. Among others, the pulleys of the conveyor belts are continuously lubricated. Since two of the lubrication points are 8 meters above the ground, they are very difficult to access and the simalubes can only be installed and replaced with the help of a lift. An external company provides a mobile lift. Maintenance work in lofty heights are associated with high costs and enormous time expenditure. However, continuous lubrication of the system is absolutely necessary to prevent unplanned machine failures.

### Application range of the dispensers

Industries where high back pressures occur:

- Steelworks, building materials industry, mines
- Cardboard and paper industry
- Recycling industry
- Waterworks

These industries very often have systems that must not be switched off for relubrication. The lubricant dispensers are therefore frequently connected to the lubrication points by means of long lines (outside the danger zone). This requires increased pressure.

Industries where process monitoring is sometimes necessary:

- Car manufacturers
- Mechanical engineering
- Chemical industry
- Food industry
- Power generation

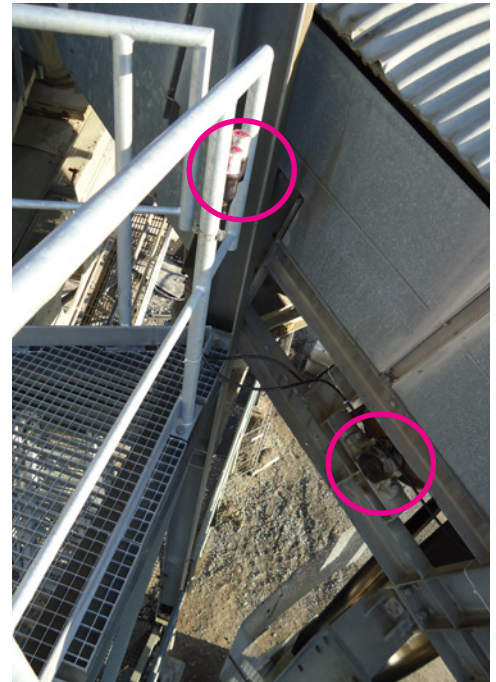
Due to countless danger areas, the dispensers must be mounted outside these areas with the help of long lubrication lines for the safety of the employees.

Applications:

- Conveyors
- Ventilation systems and blowers
- Furnaces
- Pumps
- Motors
- Roller and sliding bearings



The simalube IMPULSE is mounted in an easily accessible location. With the aid of a long lubrication line, the lubricant can be easily routed to the lubrication point.



Two simalube IMPULSEs with one simalube 60ml each are used.

### The perfect solution

The new simalube IMPULSE offers the perfect solution for further optimizing automatic lubrication of devices and mastering the challenge. Our maintenance specialist has laid a 2.5-meter-long lubrication line from the lubrication points to a safer and more accessible location to install the simalube IMPULSE with simalube lubricant dispenser. Thanks to the pressure booster, counter pressure can be overcome without any problems and the lubrication point can be lubricated properly. Currently, two simalube IMPULSE are in use in the concrete plant, which ensure optimum lubrication.

### Customer benefits

The new simalube IMPULSE has several advantages: Significant costs are saved as there is no need for a mobile lift to replace the dispenser. Thanks to the 2.5-meter-long lubrication lines, the simalube IMPULSE was installed in an easily accessible location. In addition, a much higher level of employee safety can now be guaranteed. Easy access to the lubrication point over the secured system no longer carries any accident risk for the worker. The current operating status of the lubricant dispenser is indicated by LEDs on the simalube IMPULSE. Maintenance of the systems has become so much easier and the time required has been drastically reduced. The first results of the simalube IMPULSE can be seen already. The person in charge of the concrete plant is satisfied with the use of the simalube IMPULSE and appreciates the advantages of the pressure intensifier. Summing up, it can be said that saving time and money, increasing occupational and operational safety and also simple handling put the simalube IMPULSE in a class of its own.

### Characteristics and advantages

- The simalube IMPULSE is an accessory to the simalube automatic lubricant dispenser
- Pressure buildup up to 10 bar
- Lubricant supply through standard simalube sizes: 60, 125 and 250 ml
- IP68 certification (dust and waterproof)
- Suitable for oils and greases up to NLGI 2
- Easy to use - Runtime adjustment on the simalube lubricant dispenser
- The simalube IMPULSE can be used multiple times
- Electromechanical drive with battery pack
- Flashing LED function indicator (green/red)
- Gentle on the lubricant
- Runtime setting can be changed or corrected at any time
- No disassembly of the simalube IMPULSE when changing the lubricant dispenser
- Remote mounting outside of hazardous or high temperature ranges possible
- Retrofit possible
- Cost savings
- Compact design
- Easy storage